Appendix A

Initial Study, Notice of Preparation, and Scoping Comments

Initial Study

Poplar 18 Project

AUGUST 2022

Prepared for:

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
APN	Assessor's Parcel Number
CEQA	California Environmental Quality Act
City	City of Hesperia
EIR	Environmental Impact Report
FHSZ	Fire Hazard Severity Zone
I	Interstate
SBCFD	San Bernardino County Fire Department

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1 Introduction

1.1 Project Overview

The City of Hesperia (City) received an application from Poplar 18 LLC (Project Applicant) for the development of the Poplar 18 Project (Project). The Project includes the construction of industrial distribution/warehouse building on an approximately 17.87-acre Project site generally located west of Interstate (I) 15, east of U.S. Highway 395, and south of Main Street. The Project would provide 414,700 square feet of industrial/warehouse space and associated improvements, including loading docks, truck and vehicle parking, and landscaped areas, as further described below.

Implementation of the Project would require the following discretionary actions from the City:

- Parcel Merger of the two parcels within the project boundary into one 17.87-acre lot.
- Conditional Use Permit to permit the construction and operation of a warehousing and distribution center of a size greater than 200,000 square feet in the Commercial/Industrial Business Park zone

1.2 California Environmental Quality Act Compliance

The California Environmental Quality Act (CEQA) serves as the main framework of environmental law and policy in California. CEQA emphasizes the need for public disclosure and identifying and preventing environmental damage associated with proposed projects. Unless a project is deemed categorically or statutorily exempt, CEQA is applicable to any project that must be approved by a public agency in order to be processed and established. The proposed Project considered herein does not fall under any of the statutory or categorical exemptions listed in the 2018 CEQA Statute and Guidelines (California Public Resources Code, Section 21000 et seq.; 14 CCR 15000 et seq.); therefore, it must meet CEQA requirements.

The intent of this document is to provide an overview and analysis of the environmental impacts associated with the proposed Project by the City, acting as the lead agency. The document is accessible to the public, in accordance with CEQA, in order to receive feedback on the Project's potential impacts, as well as the scope of the Project's environmental impact report (EIR) (14 CCR Section 15121[a]).

1.3 Availability of the Notice of Preparation and Initial Study

The Initial Study/Notice of Preparation for the Project is being distributed directly to agencies, organizations, and interested groups and persons during the scoping period. The Initial Study/Notice of Preparation is also available for review at the City of Hesperia, Planning Department, 9700 Seventh Avenue, Hesperia, California 92345.

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2 Project Description

2.1 Project Location

The approximately 17.87-acre Project site is located in the western part of the City, which is within the Victor Valley region of San Bernardino County (Figure 1, Project Location). The Project site is located on the southwest quadrant of I-15 and Main Street. The Project site is located south of Main Street, west of Cataba Road and Mesa Linda Street, north of I-15 and Poplar Street, and east of U.S. Highway 395 and Lassen Road. The Project site consists of two parcels: Assessor's Parcel Numbers (APNs) 3064-581-04-0000 and 3064-581-05-0000. Specifically, the Project site is located in Section 22, Township 4 North, Range 5 West, as depicted on the U.S. Geological Survey Baldy Mesa, California 7.5-minute topographic quadrangle map. Regional access to the Project site is provided via I-15 and U.S. Highway 395.

2.2 Environmental Setting

City of Hesperia

The City is approximately 110 square miles in the Victor Valley region of San Bernardino County. The City is located within the Mojave Desert, which is a region containing desert plains, dry lakebeds, and scattered mountains. The southern portion of the City lies at the foothills of the San Bernardino Mountains and National Forest. The City contains a variety of slope conditions, with the foothill areas containing significant slopes and the majority of the City being primarily level. The central and northern portions of the City lie upon a moderate to gentle slope with elevations ranging from 2,900 feet to 4,200 feet above mean sea level. Generally, the City is an urban community with a broad mix of land uses, including housing, commercial, office, industrial, agriculture, and public-serving uses. The eastern and southern portions of the City contain generally rural residential uses. Commercial uses follow Main Street, Bear Valley and Hesperia Roads, and the freeway corridor. Industrial uses are generally divided into two areas: west of I-15 and east of U.S. Highway 395, and the eastern area between the BNSF railroad lines and I Avenue north of Main Street.

The City is bordered by the City of Victorville to the north, the City of Apple Valley to the east, unincorporated San Bernardino County land to the south, and the unincorporated community of Oak Hills to the west. Three highways provide direct access to the City: I-15 runs north–south on the west side of the City, U.S. Highway 395 connects to I-15 on the west side, and State Route 138 passes through the southeastern corner of the City (City of Hesperia 2010a).

Existing Project Site

The Project site is currently vacant undeveloped property bound to the west by Lassen Road, to the east by Mesa Linda Street, and to the south by Poplar Street. The Project site is located within the Main Street and Freeway Corridor Specific Plan. According to the Main Street and Freeway Corridor Specific Plan, the Project site is located within the Highway 395/Interstate 15 District and the land use and zoning designations for the Project site are Commercial/Industrial Business Park (CIBP) (City of Hesperia 2010a; City of Hesperia 2021a).

Surrounding Land Uses

Land uses surrounding the Project site primarily consist of vacant land, along with some scattered residential, commercial, light industrial, and utility uses. Specific land uses located in the immediate vicinity of the Project site include the following:

- **North:** Vacant land and scattered commercial, light industrial, and residential uses
- **East:** Commercial uses and I-15
- **South:** Vacant land, scattered commercial and I-15
- **West:** Vacant land, U.S. Highway 395, and scattered commercial, and light industrial

2.3 Project Characteristics

The Project would include construction of an industrial/warehouse building and associated improvements on 17.87 acres of vacant land (see Figure 2, Site Plan). The proposed project would provide 414,700 square feet of industrial/warehouse space and include associated improvements, such as loading docks, tractor-trailer stalls, passenger vehicle parking spaces, stormwater detention basins, and landscape area. Office space within the building would be distributed among four individual office spaces in each of the corners of the building.

On-Site and Off-Site Improvements

The Project would include improvements along Mesa Linda Street, Lassen Street, and Poplar Street, including frontage landscaping and pedestrian improvements. A variety of trees, shrubs, plants, and land covers would be planted within the Project frontage's landscape setback area, as well as within the landscape areas found around the proposed industrial/warehouse building and throughout the Project site.

Site Access, Circulation, and Parking

Access to the Project site would be provided by four driveways: two driveways on the western side of the project site off Lassen Street and two driveways on the eastern side of the Project site along Mesa Linda Street. Paved passenger vehicle parking areas would be provided within areas north, east, and west of the warehouse building, while tractor-trailer stalls and loading docks would be located on the northern side of the warehouse building. In total, the Project would provide approximately 54 loading dock positions, approximately 54 tractor-trailer stalls, roughly 182 passenger vehicle parking spaces (including accessible and EV charging stalls), and approximately 14.9% landscape area coverage.

Utility Improvements

Given the vacant, undeveloped nature of the Project site, both wet and dry utilities, including domestic water, sanitary sewer, and electricity, would need to be extended onto the Project site. Stormwater would be managed on site using at-grade detention basins and subsurface catch basins to capture and treat on-site stormwater.

Operations

Tenants for the Project have not been identified; however, the final layout of the industrial warehouse building is complete. Business operations would be expected to be conducted within the enclosed building, with the exception

of the ingressing and egressing of trucks and passenger vehicles accessing the site, passenger and truck parking, the loading and unloading of trailers within designated truck courts/loading areas, and the internal and external movement of materials around the Project site via forklifts, pallet jacks, yard hostlers, and similar equipment. It is anticipated that the facilities would be operated 24 hours a day, 7 days a week. At this time, the Project Applicant does not anticipate leasing any portion of the building to a tenant that would require refrigerated space and this use is not contemplated in this environmental analysis.

2.4 Project Approvals

As part of the Project, the Project Applicant is requesting approval of the following entitlements:

- **Parcel Merger** of the two parcels within the project boundary into one 17.87-acre lot.
- **Conditional Use Permit** to permit the construction and operation of a warehousing and distribution center of a size greater than 200,000 square feet in the Commercial/Industrial Business Park zone.
- **A Development Agreement** may be requested to provide sufficient time for the development of the Project by locking in development standards and extending applicable vesting periods for the Project's entitlements and to establish a mechanism whereby the Project Applicant would be partially reimbursed for costs associated with public improvements constructed that would be used by future developments.
- While not a discretionary action that would be requested of the City, the Project would involve obtaining a **2081 Incidental Take Permit** from the California Department of Fish and Wildlife to authorize removal of western Joshua Tree.

Subsequent non-discretionary approvals (which would require separate processing through the City) would include, but may not be limited to, grading permits, building permits, and occupancy permits.

Note that the preceding list of actions and/or approvals is preliminary and may not be comprehensive.

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3 Initial Study Checklist

1. **Project title:**

   Poplar 18 Project

2. **Lead agency name and address:**

   City of Hesperia, Planning Department
   9700 Seventh Avenue
   Hesperia, California 92345

3. **Contact person and phone number:**

   Ryan Leonard, Senior Planner
   City of Hesperia Planning Department
   Phone: 760.947.1651
   Email: rleonard@cityofhesperia.us

4. **Project location:**

   The approximately 17.87-acre Project site is located in the western part of the City, which is within the Victor Valley region of San Bernardino County (Figure 1, Project Location). The Project site is located on the southwest quadrant of I-15 and Main Street. The Project site is located south of Main Street, west of Cataba Road and Mesa Linda Street, north of I-15 and Poplar Street, and east of U.S. Highway 395 and Lassen Road. The Project site consists of two parcels: Assessor's Parcel Numbers (APNs) 3064-581-04-0000 and 3064-581-05-0000. Specifically, the Project site is located in Section 22, Township 4 North, Range 5 West, as depicted on the U.S. Geological Survey Baldy Mesa, California 7.5-minute topographic quadrangle map. Regional access to the Project site is provided via I-15 and U.S. Highway 395.

5. **Project sponsor's name and address:**

   Poplar 18 LLC
   3 Corporate Plaza, Suite 230
   Newport Beach, California 92660

6. **General Plan Designation:**

   Main Street/Freeway Corridor Specific Plan – Commercial/Industrial Business Park (CIBP)

7. **Zoning:**

   Commercial/Industrial Business Park (CIBP)

8. **Description of project:**

   The Project would include construction of an industrial/warehouse building and associated improvements on 17.87 acres of vacant land (see Figure 2, Site Plan). The Project would include construction of an

industrial/warehouse building and associated improvements on 17.87 acres of vacant land (see Figure 2, Site Plan). The proposed project would provide 414,700 square feet of industrial/warehouse space and include associated improvements, such as loading docks, tractor-trailer stalls, passenger vehicle parking spaces, stormwater detention basins, and landscape area.

Implementation of the Project would require the approval of the parcel merger of the two parcels within the project boundary into one 17.87-acre lot, and the issuance of a Conditional Use Permit for the construction and operation of a warehousing and distribution center of a size greater than 200,000 square feet in the Commercial/Industrial Business Park zone.

See Section 2, Project Description, for further Project details.

9. Surrounding land uses and setting (Briefly describe the project's surroundings):

Land uses surrounding the Project site primarily consist of vacant land, along with some scattered residential, commercial, light industrial, and utility uses. Specific land uses located in the immediate vicinity of the Project site include the following:

- **North:** Vacant land and scattered commercial, light industrial, and residential uses
- **East:** Commercial uses and I-15
- **South:** Vacant land, scattered commercial and I-15
- **West:** Vacant land, U.S. Highway 395, and scattered commercial, and light industrial

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):

No discretionary approvals from other outside agencies are anticipated at this time.

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

In accordance with California Assembly Bill 52 requirements, the City will initiate Tribal consultation, the results of which will be summarized in the Draft EIR.

Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this Project, involving at least one impact that is a "Potentially Significant Impact," as indicated by the checklist on the following pages.

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

Determination:

On the basis of this initial evaluation:

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

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

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

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

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

Signature Date

Evaluation of Environmental Impacts

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

3.1 Aesthetics

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

a) Would the Project have a substantial adverse effect on a scenic vista?

b) Would the Project substantially damage scenic resources including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

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

d) Would the Project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Potentially Significant Impact. The Project would include construction of an industrial/warehouse building and associated improvements on currently undeveloped, vacant land. In total, the Project would provide 414,700 square feet of industrial/warehouse space and associated improvements, including loading docks, tractor-trailer stalls, passenger vehicle parking spaces, and landscape areas. Due to this proposed increase in on-site development intensity, there is a potential for the Project to affect public views of scenic vistas or otherwise alter the existing visual character or quality of public views, despite the fact that the Project must be designed and constructed in accordance with the design standards set forth both the Main

Street and Freeway Corridor Specific Plan and the City's Development Code. In addition, implementation of the Project would include the installation of new nighttime lighting, which could potentially adversely affect nighttime views in the area, including drivers on I-15 and U.S. Highway 395. Such lighting would include lighting for on-site parking and facilities and light generated by vehicles entering and exiting the Project site. Therefore, impacts are potentially significant, and these issues will be analyzed in the Draft EIR.

3.2 Agriculture and Forestry Resources

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

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

No Impact. According to the California Department of Conservation's California Important Farmland Finder, the Project site contains grazing land (DOC 2021a). Grazing land is described as land on which the existing vegetation is suited to the grazing of livestock. Grazing land does not include land designated or previously designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (collectively "Important Farmland"). Therefore, no impacts would occur, and no further analysis is proposed for the Draft EIR.

b) Would the Project conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. According the California Department of Conservation's Williamson Act Parcel map for South San Bernardino County, the Project site is not located on or adjacent to any lands under a Williamson Act contract (City of Hesperia 2010b). In addition, the Project site and surrounding area are not zoned for agricultural uses, but instead for Commercial and Industrial Business Park uses (City of Hesperia 2010a). As such, implementation of the Project would not conflict with existing zoning for agricultural use or land under a Williamson Act contract. Therefore, no impacts would occur, and no further analysis is proposed for the Draft EIR.

c) Would the Project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

No Impact. According to the City's Zoning Map, the Project site is not located on or adjacent to forestland, timberland, or timberland zoned timberland production (City of Hesperia 2010a). Therefore, no impacts would occur, and no further analysis is proposed for the Draft EIR.

d) Would the Project result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. The Project site is not located on or adjacent to forestland. No private timberlands or public lands with forests are located in the City. Therefore, no impact would occur, and no further analysis is proposed for the Draft EIR.

e) Would the Project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

No Impact. The Project site is not located on or adjacent to any parcels identified as Important Farmland or forestland (DOC 2021a). In addition, the Project would not involve changes to the existing environment that would result in the indirect conversion of Important Farmland or forestland located away from the Project site. Therefore, no impacts would occur, and no further analysis is proposed for the Draft EIR.

3.3 Air Quality

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

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

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

c) Would the Project expose sensitive receptors to substantial pollutant concentrations?

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

Potentially Significant Impact. Project construction and operations would involve activities that would generate both short-term and long-term criteria pollutant and other emissions. Further air quality analysis is required to determine whether the Project could potentially result in any adverse effects related to air quality. Therefore, these issues will be analyzed in the Draft EIR.

3.4 Biological Resources

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

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

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

c) Would the Project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

d) Would the Project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

e) Would the Project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

f) Would the Project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

Potentially Significant Impact. Implementation of the Project would result in construction and operational activities upon a currently undeveloped, vacant site. Such activities could potentially have an adverse effect on candidate, sensitive, or special-status species; sensitive natural communities; migratory wildlife corridors; and protected trees. Further biological resources analysis is required to determine whether the Project could potentially result in any adverse effects related to biological resources. Therefore, these issues will be analyzed further in the Draft EIR.

3.5 Cultural Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
V. CULTURAL RESOURCES – Would the Project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☒	☐	☐	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☒	☐	☐	☐
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	☒	☐	☐	☐

a) Would the Project cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?

b) Would the Project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

c) Would the Project disturb any human remains, including those interred outside of dedicated cemeteries?

Potentially Significant Impact. Implementation of the Project would result in construction and operational activities upon a currently undeveloped, vacant site. Such activities could potentially have an adverse effect on currently unrecorded, unknown historical, archaeological, or Tribal cultural resources. Further cultural resources analysis is required to determine whether the Project could potentially result in any adverse effects related to cultural resources. Therefore, these issues will be analyzed further in the Draft EIR.

3.6 Energy

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

a) Would the Project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during Project construction or operation?

b) Would the Project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Potentially Significant Impact. Project construction and operations would involve activities that would require the use of energy, including electricity and petroleum. Further energy usage analysis is required to determine whether the Project could potentially result in any adverse effects related to energy consumption. Therefore, these issues will be analyzed in the Draft EIR.

3.7 Geology and Soils

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

a) Would the Project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

No Impact. The Alquist–Priolo Earthquake Zoning Act (Alquist–Priolo Act) requires the delineation of fault zones along active faults in California. The purpose of the Alquist–Priolo Act is to regulate development on or near active fault traces to reduce hazards associated with fault rupture. The Alquist–Priolo Earthquake Fault Zones are the regulatory zones that include surface traces of active faults. According to the California Department of Conservation, the Project site is not located in an Alquist–Priolo Earthquake Fault Zone (DOC 2021b). Thus, the potential for surface rupture is low on the Project site. Therefore, no impacts would occur, and this issue will not be evaluated further in the Draft EIR.

ii) Strong seismic ground shaking?

Less-Than-Significant Impact. Similar to other areas located in seismically active Southern California, the City is susceptible to strong ground shaking during an earthquake. However, the Project site is not located within an Alquist–Priolo Earthquake Fault Zone, and the site would not be affected by ground shaking more than any other area in this seismic region. Pursuant to Title 15, Buildings and Construction, of the Hesperia Municipal Code, the Project would incorporate the design recommendations included in its geotechnical report, which will be subject to review and approval by City staff prior to issuance of a grading permit. The Project's geotechnical report provides specific design recommendations to ensure the structural integrity of the Project in the event that seismic ground shaking is experienced at the Project site. These recommendations include performing remedial grading, over-excavating existing soils, and recompacting these soils with structured fill, among other technical design recommendations (SCG 2022). Additionally, the Project's structures would be designed consistent with the most recent version of the California Building Code, which includes universal standards relating to seismic load requirements. Compliance with the recommendations of the geotechnical report is mandated by Section 15.060.040 of the Hesperia Municipal Code, and compliance is subject to inspection by the City Building Official. With implementation of the recommendations of the Project's geotechnical report, impacts associated with strong seismic ground shaking would be less than significant, and no further analysis will be conducted in the Draft EIR.

iii) Seismic-related ground failure, including liquefaction?

Less-Than-Significant Impact. Soil liquefaction is a seismically induced form of ground failure that has been a major cause of earthquake damage in Southern California. Liquefaction is a process by which water-saturated granular soils transform from a solid to a liquid state because of a sudden shock or strain such as an earthquake. Due to the existing geologically young, loose, unconsolidated sediments throughout the City, liquefaction has the potential to occur within the City. However, according to Exhibit SF-1 of the City's General Plan Safety Element (City of Hesperia 2010a), the Project site is not within an area of the City that has the potential for liquefaction. In addition, the Project's geotechnical report states that based on subsurface conditions encountered at boring locations, liquefaction is not considered to be a concern for the Project site (SCG 2022). With implementation of the recommendations of the Project's geotechnical report, impacts associated with potential seismic-related ground failure, including liquefaction, would be less than significant, and no further analysis will be conducted in the Draft EIR.

iv) Landslides?

No Impact. According to Exhibit SF-1 of the City's General Plan Safety Element (City of Hesperia 2010a), the Project site is not located in an area identified as susceptible to slope instability. The Project site is relatively flat and is not located adjacent to any potentially unstable topographical feature such as a hillside or riverbank. Therefore, no impacts would occur, and no further analysis will be conducted in the Draft EIR.

b) Would the Project result in substantial soil erosion or the loss of topsoil?

Less-Than-Significant Impact. The Project would involve earthwork and other construction activities that would disturb surface soils and temporarily leave exposed soil on the ground's surface. Common causes of soil erosion from construction sites include stormwater, wind, and soil being tracked off site by vehicles. To help curb erosion, Project construction activities must comply with all applicable federal, state, and local regulations for erosion control. The Project would be required to comply with standard regulations, including South Coast Air Quality Management District Rules 402 and 403, which would reduce construction erosion impacts. Rule 402 requires that dust suppression techniques be implemented to prevent dust and soil erosion from creating a nuisance off site (SCAQMD 1976). Rule 403 requires that fugitive dust be controlled with best available control measures so that it does not remain visible in the atmosphere beyond the property line of the emissions source (SCAQMD 2005).

Since Project construction activities would disturb one (1) or more acres, the Project must adhere to the provisions of the National Pollutant Discharge Elimination System Construction General Permit. Construction activities subject to this permit include clearing, grading, and ground disturbances such as stockpiling and excavating. The Construction General Permit requires implementation of a stormwater pollution prevention plan, which would include construction features for the Project (i.e., best management practices) designed to prevent erosion and protect the quality of stormwater runoff. Sediment-control best management practices may include stabilized construction entrances, straw wattles on earthen embankments, sediment filters on existing inlets, or the equivalent. Therefore, impacts would be less than significant, and no further analysis will be conducted in the Draft EIR.

Once developed, the Project site would include an industrial/warehouse building, paved surfaces, and other on-site improvements that would stabilize and help retain on-site soils. The remaining portions of the Project site containing pervious surfaces would primarily consist of landscape areas. These landscape areas would include a mix of trees, shrubs, plants, and groundcover that would help retain on-site soils while preventing wind and water erosion from occurring. Therefore, operational impacts related to soil erosion would be less than significant. No further analysis will be conducted in the Draft EIR.

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

Less-Than-Significant Impact. As discussed previously, the potential for the Project to result in or be affected by landslides and liquefaction is low, and these issues are not anticipated at the Project site. Project activities may occur on geologically unstable soils such as those susceptible to lateral spreading, subsidence, or collapse. However, the Project would be designed consistent with the specific design recommendations of the Project's geotechnical report, which provides recommendations to perform remedial grading, over-excavate existing soils, and recompact these soils with structured fill, among other technical design recommendations (SCG 2022). Implementation of these recommendations would address

these potentially hazardous conditions and ensure structural integrity in the event that seismic-related issues are experienced at the Project site. Compliance with the recommendations of the geotechnical report is mandated by Section 15.060.040 of the Hesperia Municipal Code, and compliance is subject to inspection by the City Building Official. With implementation of the recommendations of the Project's geotechnical report, impacts would be less than significant, and no further analysis will be conducted in the Draft EIR.

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

Less-Than-Significant Impact. Expansive soils are characterized by their potential shrink/swell behavior. Shrink/swell is the change in volume (expansion and contraction) that occurs in certain fine-grained clay sediments from the cycle of wetting and drying. Clay minerals are known to expand with changes in moisture content. The higher the percentage of expansive minerals present in near-surface soils, the higher the potential for substantial expansion.

According to the City's General Plan, the City's soils are mostly comprised of water-laid sand, silt, and gravel (City of Hesperia 2010a). The U.S. Department of Agriculture's Web Soil Survey does not identify the Project site or surrounding area as containing clay soils, which are typically expansive. The Project site is documented from 0 to 6 inches as loamy fine sand and from 6 to 60 inches deep as sandy loam and coarse sandy loam, which does not exhibit significant shrink/swell behavior (USDA 2021). Therefore, impacts would be less than significant, and no further analysis will be conducted in the Draft EIR.

e) Would the Project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No Impact. The Project would connect to the City's municipal sewer lines. The Project would not require septic tanks or alternative wastewater disposal systems. Therefore, no impacts would occur, and no further analysis will be conducted in the Draft EIR.

f) Would the Project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Potentially Significant Impact. According to the City's General Plan Conservation Element, the City has potential for paleontological finds (City of Hesperia 2010a). As such, development and construction activities associated with the Project have the potential to unearth potentially significant paleontological resources. Therefore, impacts would be potentially significant, and further analysis is proposed in the Draft EIR.

3.8 Greenhouse Gas Emissions

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. GREENHOUSE GAS EMISSIONS – Would the Project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☒	☐	☐	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☒	☐	☐	☐

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

b) Would the Project generate conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Potentially Significant Impact. Project construction and operations would involve activities that would generate both short-term and long-term greenhouse gas emissions. Further greenhouse gas analysis is required to determine whether the Project could potentially result in any adverse effects related to greenhouse gases. Therefore, these issues will be analyzed in the Draft EIR.

3.9 Hazards and Hazardous Materials

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. HAZARDS AND HAZARDOUS MATERIALS – Would the Project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☒	☐	☐	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☒	☐	☐	☐

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

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

Potentially Significant Impact. Development of the Project would result in the construction of an industrial/warehouse building and associated improvements on currently undeveloped, vacant land. Project implementation could potentially result in impacts related to hazardous materials and wildland fire. Therefore, these issues will be analyzed in the Draft EIR.

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

Potentially Significant Impact. Development of the Project would result in the construction of an industrial/warehouse building and associated improvements on currently undeveloped, vacant land. Project implementation could potentially result in impacts related to hazardous materials and wildland fire. Therefore, these issues will be analyzed in the Draft EIR.

c) Would the Project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

No Impact. The nearest school to the Project site is San Joaquin Valley College (9331 Mariposa Road), which is located approximately 1.4 miles southeast of the site. As such, the closest school is located well outside of a 0.25-mile radius around the Project site. Therefore, no impacts would occur, and this issue will not be evaluated further in the Draft EIR.

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

No Impact. The Hazardous Waste and Substances Sites List (Cortese List) is a planning document providing information about the location of hazardous materials release sites. California Government Code Section 65962.5 requires the California Environmental Protection Agency to develop, at least annually, an updated Cortese List. The Department of Toxic Substances Control is responsible for a portion of the information contained in the Cortese List. Other state and local government agencies are required to provide additional hazardous materials release information for the Cortese List (CalEPA 2021). A review of Cortese List online data resources does not identify hazardous materials or waste sites on the Project site or immediately surrounding area (DTSC 2021; RWQCB 2021). Therefore, no impacts would occur, and this issue will not be evaluated further in the Draft EIR.

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

No Impact. The nearest operational public-use airport to the Project site is the Hesperia Airport, which is located approximately 6.2 miles to the south. The airport is located on the Mesa, west of Antelope Valley wash and south of Ranchero Road. According to the Comprehensive Land Use Plan, the Project site is not located within a runway protection zone or safety zone area, which would have potential safety and noise impacts (San Bernardino County 1991). Therefore, impacts would not occur, and this issue will not be evaluated further in the Draft EIR.

f) Would the Project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less-Than-Significant Impact. According to the City's Mitigation Plan, the Project would be required to comply with the City's Emergency Operations Plan (City of Hesperia 2017). The Emergency Operations Plan provides a framework for coordinated response and recovery activities during an emergency (City of Hesperia 2017). In addition, the City's General Plan designates all freeways and arterial roads as emergency evacuation routes. Typically, roadway facilities designated by the City's General Plan Safety Element as major, primary, or secondary highways, as well as other streets with regional access, are assumed to serve as evacuation routes in the event of a regional emergency. As roadways capable of supporting high traffic volumes and providing regional access to other highways, freeways, and neighboring jurisdictions, both Main Street and U.S. Highway 395 are expected to serve as emergency evacuation routes in the event of an emergency. The Project does not propose any changes to the geometry of these roadways, and thus it follows that these roadways' ability to serve as emergency evacuation routes would not be compromised. As a result, the Project would not significantly affect emergency response or evacuation activities. Therefore, impacts would be less than significant, and this issue will not be evaluated further in the Draft EIR.

g) Would the Project expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?

Potentially Significant Impact. Development of the Project would result in the construction of an industrial/warehouse building and associated improvements on currently undeveloped, vacant land. Project implementation could potentially result in impacts related to hazardous materials and wildland fire. Therefore, these issues will be analyzed in the Draft EIR.

3.10 Hydrology and Water Quality

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

a) Would the Project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

b) Would the Project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the Project may impede sustainable groundwater management of the basin?

c) Would the Project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i) result in substantial erosion or siltation on or off site;

ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or off site;

iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or

iv) impede or redirect flood flows?

Potentially Significant Impact. Implementation of the Project would result in construction and operational activities upon a currently undeveloped, vacant site. Such activities could potentially have an adverse effect on existing drainage patterns, which could subsequently impact surface water and groundwater quality, as well as both on-site and local hydrology. Therefore, these issues will be analyzed in the Draft EIR.

d) In flood hazard, tsunami, or seiche zones, would the Project risk release of pollutants due to Project inundation?

Less-Than-Significant Impact. The Project would not be susceptible to flood hazards, tsunami, or seiche. Seiche is generally associated with oscillation of enclosed bodies of water (e.g., reservoirs, lakes) typically caused by ground shaking associated with a seismic event; however, the Project site is not located near an enclosed body of water. Flooding from tsunami conditions is not expected, since the Project site is located approximately 60 miles from the Pacific Ocean.

In addition, the Federal Emergency Management Agency Flood Map Service Center identifies the Project site as Zone X, which is classified as an area of minimal flood hazard, outside of the Special Flood Hazard Area and higher than the elevation of the 0.2%-annual-chance flood (FEMA 2021). As such, the Project would not risk release of pollutants due to inundation. Therefore, impacts associated with seiche, tsunami, or flooding would be less than significant, and this issue will not be evaluated further in the Draft EIR.

e) Would the Project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Potentially Significant Impact. Implementation of the Project would result in construction and operational activities upon a currently undeveloped, vacant site. Such activities could potentially have an adverse effect on existing drainage patterns, which could subsequently impact surface water and groundwater quality, as well as both on-site and local hydrology. Therefore, these issues will be analyzed in the Draft EIR.

3.11 Land Use and Planning

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. LAND USE AND PLANNING – Would the Project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

a) Would the Project physically divide an established community?

No Impact. The physical division of an established community typically refers to the construction of a linear feature (e.g., a major highway or railroad tracks) or removal of a means of access (e.g., a local road or bridge) that would impair mobility within an existing community or between a community and outlying area.

Under the existing condition, the Project site is vacant land and is not used as a connection between established communities. Instead, connectivity within the area surrounding the Project site is facilitated via local roadways. As such, the Project would not impede movement within the Project area, within an established community, or from one established community to another. Therefore, no impacts would occur, and this issue will not be evaluated further in the Draft EIR.

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

Less-Than-Significant Impact. The project would not result in a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect, as further discussed below.

City of Hesperia Land Use Plans, Policies, and Regulations

General Plan

Pursuant to state law, specific plans establish land use regulations for those areas covered by the Specific Plan. The General Plan designates the Specific Plan to cover all freeway frontages within the City as well as the commercial and industrial areas parallel to the freeway corridor. The goals, policies, and development standards applicable to the project are found in the Specific Plan.

Main Street and Freeway Corridor Specific Plan

The Specific Plan establishes a framework for the Main Street and freeway corridors and is intended to facilitate and support development and improvements along these corridors. The regulations of the specific plan replace those set forth in the planning and zoning provisions of the City's Development Code, and any other applicable ordinances.

The project site is zoned and designated by the Specific Plan as CIBP (City of Hesperia 2021a). The project site would be developed in accordance with the provisions set forth in this land use designation. The Specific Plan lists CIBP as one of two industrial zones. The CIBP zone is meant to create consolidated areas for employment-creating uses in a business park setting. The zone is intended to provide for service commercial, light industrial, light manufacturing, and industrial support uses, mainly conducted in an enclosed building, to minimize environmental impacts such as noise, vibration, air pollution, glare, or waste disposal. The CIBP zone falls within three land use districts, Main Street/I-15 District, Highway 395/I-15 District, and Industrial District. The Main Street/I-15 and Highway 395/I-15 Districts provide enhanced vehicular, truck, and rail accessibility by taking advantage of their location along the I-15 corridor with its connection to Highway 395, and its linkage to the Southern California Logistics Airport. The project site falls within the Main Street/I-15 District. The Main Street/I-15 District takes advantage of regional freeway accessibility and visibility through high-quality development and streetscape enhancements.

Among the permitted uses in the CIBP zone, warehousing and wholesale distribution centers are permitted at 200,000 square feet or less. Warehouses and wholesale distribution centers over 200,000 square feet are conditionally permitted. The Specific Plan states that the maximum gross floor area ratio in CIBP zones is 0.35 (City of Hesperia 2021a). Additionally, maximum building height within the zone is 60 feet at the setback line, thereafter height may be increased at a rate of 1-foot in height for every additional 3-foot increase in front yard setback, up to a maximum building height of 150 feet (City of Hesperia 2021a).

The project would include construction of a total of 414,700 square feet of warehousing use, which would require a Conditional Use Permit. As part of the project approvals, the project Applicant is requesting approval of a Conditional Use Permit. Assuming that the City's decision makers approve the Conditional Use Permit, the project would be an allowable use within the CIBP zone. Additionally, the project plans would be reviewed by City staff to ensure consistency with all applicable development standards and regulations.

The Specific Plan contains several goals and policies that address land use and planning and are applicable to the project. An analysis of the project's consistency with these goals and policies is provided in Table 1.

Table 1. Specific Plan Consistency Analysis

Specific Plan Goal or Policy	Consistency Summary
Specific Plan Goal: LU-1b: Provide for continuing growth within the Specific Plan area, with land uses and intensities appropriately designated to meet the needs of anticipated growth and to achieve the community's objectives.	**Consistent.** The project would include the construction of an industrial/warehouse building. The project site is designated as CIBP and would support the expansion of regional commercial development. Additionally, the project would support the City's goal of increasing jobs within the City and balancing the job to housing ratio. Therefore, the project would be consistent with the goal.

Table 1. Specific Plan Consistency Analysis

Specific Plan Goal or Policy	Consistency Summary
Policy LU-1.1: With the adoption of the Main Street and Freeway Corridor Specific Plan, establish land use districts that have complimentary rather than competitive uses/zones, and maintain the integrity of and interrelationships between these zones.	**Consistent.** The project site would be located in the Specific Plan's Main Street/I-15 District. The Main Street/I-15 District is intended for mixed-use development to enhance large-scale regional commercial and service uses. The project would be compatible with the Main Street/I-15 District and be consistent with its land use designation of CIBP. Therefore, the project would be consistent with the goal.
Goal LU-2: Create a jobs/housing balance in the City.	**Consistent.** For purposes of analyses, employment estimates were calculated using average employment density factors reported by SCAG. SCAG reports that for every 2,111 square feet of warehouse space in San Bernardino County, the median number of jobs supported is one employee (SCAG 2001). As such, the estimated number of employees required for operation would be approximately 197. According to the City's 2019 SCAG profile, the total number of jobs in the City of Hesperia during 2017 was 22,513 (SCAG 2019). Additionally, in 2018, the total number of housing units in the City was 29,601 (SCAG 2019). As such, jobs generated from the project would contribute to balancing the jobs/housing ratio. Therefore, the project would be consistent with the goal.
Policy LU-2.1: Designate land near Interstate-15 and Highway 395 for freeway-oriented commercial and industrial/business park development.	**Consistent.** The project is located approximately 1.3 miles west of I-15. Additionally, the project site is a quarter mile east of Highway 395. The project site and surrounding area to the north and partially to the east and south are designated as CIBP. The project would include construction of an industrial/warehouse building. Therefore, the project is consistent with the policy.
Policy LU-2.2: Add to the City's industrial land base where logically and physically possible to do so.	**Consistent.** Under existing conditions, the project site is vacant, undeveloped land. The project site is designated as CIBP. As such, the project would include construction of an industrial/warehouse building with designated office space and associated improvements. Because of the nature of the project and the size of the project site, the project would add to the City's industrial land base, while being physically advantageous. Additionally, the project site is located ¼-mile from Highway 395 and 1.3 miles west of I-15. Therefore, trucks traveling to and from the project site would have convenient freeway access. Thus, the project would be consistent with the policy.

Table 1. Specific Plan Consistency Analysis

Specific Plan Goal or Policy	Consistency Summary
Goal LU-6: Make use of vacant sites with the Specific Plan area.	**Consistent.** The project site is located on vacant land within the Specific Plan area. The project involves the construction of an industrial/warehouse building. The project site has a land use designation of CIBP and would comply with provisions associated with development in a CIBP zone outlined in the Specific Plan.

Source: City of Hesperia 2021a.
Notes: I = Interstate; City = City of Hesperia; SCAG = Southern California Association of Governments; CIBP = Commercial/Industrial Business Park.

Regional Transportation Plan/Sustainable Communities Strategy

The 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (also known as the Connect SoCal Plan) was adopted on September 3, 2020, and presents the land use and transportation vision for the region through the year 2045, providing a long-term investment framework for addressing the region's challenges (SCAG 2020). The RTP/SCS explicitly lays out goals related to housing, transportation, equity and resilience in order to adequately reflect the increasing importance of these topics in the region, and where possible the goals have been developed to link to potential performance measures and targets. The RTP/SCS development process involved working closely with local governments throughout the region to collect and compile data on land use and growth trends. The core vision of the RTP/SCS is to build upon and expanded land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern.

Analysis of the project's consistency with the SCAG 2020 RTP/SCS goals is provided in Table 2.

Table 2. Regional Transportation Plan/Sustainable Communities Strategy Consistency Analysis

RTP/SCS Goals[1]	Consistency Summary
RTP/SCS Goal 1. Encourage regional economic prosperity and global competitiveness.	**Consistent.** The project would involve construction of a 414,700 square foot industrial/warehouse building. Thus, the Project would generate jobs and tax revenue for the City and its residents. Once operational, the Project would add to the City's business tax base and would employ approximately 196 workers, helping the City better meet its jobs/housing balance, while also providing commercial/industrial business park use that will help the City offer a more balanced array of land uses throughout the broader project area.
RTP/SCS Goal 2. Improve mobility, accessibility, reliability, and travel safety for people and goods.	**Consistent.** The project would include construction of an industrial/warehouse building that would be easily and efficiently accessible to Highway 395, and I-15, which would help to facilitate regional goods movement throughout Southern California.

Table 2. Regional Transportation Plan/Sustainable Communities Strategy Consistency Analysis

RTP/SCS Goals[1]	Consistency Summary
RTP/SCS Goal 3. Enhance the preservation, security, and resilience of the regional transportation system.	**Consistent.** A traffic impact analysis will be conducted to determine the project's potential impact on the regional and local circulation system. If deemed necessary by this upcoming evaluation, feasible mitigation measures would be required to minimize any adverse effects on the circulation system resulting from the project to the greatest extent feasible. The findings of this evaluation effort will be included in the Draft EIR.
RTP/SCS Goal 4. Increase person and goods movement and travel choices within the transportation system.	**Consistent.** The project would include construction and operation of an industrial/warehouse building, which would be easily and efficiently accessible to I-15 and U.S. Highway 395 and would help to facilitate regional goods movement throughout Southern California.
RTP/SCS Goal 5. Reduce greenhouse gas emissions and improve air quality.	**Consistent.** The project would involve development of an industrial use that inherently involves the emission of GHG and air contaminant emissions. An air quality and GHG analysis will be required to determine whether the project could potentially result in any adverse effects related to air quality, health risk, and/or GHG emissions, and mitigation measures will be applied, as necessary, to minimize potential impacts. In addition, according to the Southern California Association of Governments Comprehensive Regional Goods Movement Plan and Implementation Strategy, the region will run out of suitably zoned vacant land designated for warehouse facilities in or around 2028. Thus, the project would meet the growing demand for warehousing space, and would do so in an area that is proximate to regional highways (I-15 and U.S. Highway 395), thereby reducing the need for longer distance trips which could result in additional air pollutant and GHG emissions. Additionally, the project would employ approximately 196 workers, helping the City better meet its jobs/housing balance, which should shorten commute distances of City residents who choose to work on the project site, which would have a direct positive effect on tailpipe GHG and air contaminant emissions.
RTP/SCS Goal 6. Support healthy and equitable communities.	**Consistent.** The project would involve development of an industrial use that inherently involves the emission of GHG and air contaminant emissions. An air quality and GHG analysis will be required to determine whether the project could potentially result in any adverse effects related to air quality, health risk, and/or GHG emissions, and mitigation measures will

Table 2. Regional Transportation Plan/Sustainable Communities Strategy Consistency Analysis

RTP/SCS Goals[1]	Consistency Summary
	be applied, as necessary, to minimize potential impacts. In addition, according to the Southern California Association of Governments Comprehensive Regional Goods Movement Plan and Implementation Strategy, the region will run out of suitably zoned vacant land designated for warehouse facilities in or around 2028. Thus, the project would meet the growing demand warehousing space, and would do so in an area that is proximate to regional highways (I-15 and U.S. Highway 395), thereby reducing the need for longer distance trips which could result in additional air pollutant and GHG emissions. Additionally, development of the project at the project site would provide quick and efficient access to I-15 and U.S. Highway 395, thereby eliminating the need for truck traffic to take longer routes through residential or commercial/retail areas. The project would also include a number of components that are designed to reduce energy use, such as incorporating energy efficiency design features in compliance with CALGreen standards. By incorporating these measures, the project would minimize its potential environmental effects on surrounding sensitive receptors to the maximum extent practicable. Thus, the project would assist in this goal.
RTP/SCS Goal 7. Adapt to a changing climate and support an integrated regional development pattern and transportation network.	**Consistent.** As climate change continues to increase the number of instances of disruption to local and regional systems, it will become increasingly more urgent for local jurisdictions to employ strategies to reduce their individual contributions. The project would involve development of an industrial use that inherently involves the emission of GHG and air contaminant emissions. An air quality and GHG analysis will be required to determine whether the project could potentially result in any adverse effects related to air quality, health risk, and/or GHG emissions, and mitigation measures will be applied, as necessary, to minimize potential impacts. In addition, according to the Southern California Association of Governments Comprehensive Regional Goods Movement Plan and Implementation Strategy, the region will run out of suitably zoned vacant land designated for warehouse facilities in or around 2028. Thus, the project would meet the growing demand warehousing space, and would do so in an area that is proximate to regional highways (I-15 and

Table 2. Regional Transportation Plan/Sustainable Communities Strategy Consistency Analysis

RTP/SCS Goals[1]	Consistency Summary
	U.S. Highway 395), thereby reducing the need for longer distance trips which could result in additional GHG emissions.
RTP/SCS Goal 8. Leverage new transportation technologies and data-driven solutions that result in more efficient travel.	**Consistent.** Development of the project at the project site would provide quick and efficient access to I-15 and U.S. Highway 395, thereby eliminating the need for truck traffic to take longer routes through residential or commercial/retail areas. In addition, according to the Southern California Association of Governments Comprehensive Regional Goods Movement Plan and Implementation Strategy, the region will run out of suitably zoned vacant land designated for warehouse facilities in or around 2028. Thus, the project would meet the growing demand warehousing space, and would do so in an area that is proximate to regional highways (I-15 and US Highway 395), thereby reducing the need for longer distance trips which could result in additional air pollutant and GHG emissions.
RTP/SCS Goal 9. Encourage development of diverse housing types in areas that are supported by multiple transportation options.	**Not Applicable.** The project site is not zoned for housing, but rather industrial, and business uses. Thus, this goal is not applicable.
RTP/SCS Goal 10. Promote conservation of natural and agricultural lands and restoration of habitats.	**Consistent.** The project would be located on an area zoned for industrial, and business uses. The project site does not support agriculture.

Source:
[1] SCAG 2020.
Notes: City = City of Hesperia; I = Interstate; EIR = Environmental Impact Report; GHG = greenhouse gas

As described in Tables 1 and 2, the project would be consistent with the applicable goals and policies set forth by the Specific Plan, General Plan, and SCAG in the RTP/SCS and RCP. Therefore, impacts would be less than significant, and this issue will not be evaluated further in the Draft EIR.

3.12 Mineral Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. MINERAL RESOURCES – Would the Project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☒	☐

a) ***Would the Project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?***

b) ***Would the Project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?***

Less-Than-Significant Impact. According to the Conservation Element in the City's General Plan, mineral resources such as sand, gravel, and stone have been identified within the City (City of Hesperia 2010a). Additionally, several aggregate resources such as gravelly alluvium and sandy alluvium are known to exist within the City. These resources are primarily located within wash areas and active stream channels. Although the City has known mineral resources, none are identified as being of value to the region or the residents of the state (City of Hesperia 2010b). The Project would be located within an area that is not zoned for mineral resource extraction operations, and thus, such activities cannot currently occur on the Project site. Therefore, impacts would be less than significant, and no further analysis will be conducted in the Draft EIR.

3.13 Noise

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. NOISE – Would the Project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the Project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☒	☐	☐	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☒	☐	☐	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☒	☐	☐	☐

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

b) Would the Project result in generation of excessive groundborne vibration or groundborne noise levels?

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

Potentially Significant Impact. Project construction and operations would involve activities that would generate both short-term and long-term noise. Further noise analysis is required to determine whether the Project could potentially result in any adverse effects related to increased noise levels. Therefore, these issues will be analyzed in the Draft EIR.

3.14 Population and Housing

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

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

Less-Than-Significant Impact. The Project would require a temporary construction workforce and a permanent operational workforce, both of which could potentially induce population growth in the Project area. The temporary workforce would be needed to construct the warehouse building and associated improvements. The number of construction workers needed during any given period would largely depend on the specific stage of construction, but would likely range from a dozen to several dozen workers on a daily basis. These short-term positions are anticipated to be filled primarily by construction workers who reside in the Project site's vicinity; therefore, construction of the Project would not generate a permanent increase in population within the Project area.

Because the future tenants are not known yet, the number of jobs that the Project would generate cannot be precisely determined. Thus, for purposes of analyses, employment estimates were calculated using average employment density factors reported by Southern California Association of Governments. Southern California Association of Governments reports that for every 2,111 square feet of warehouse space in San Bernardino County, the median number of jobs supported is one (SCAG 2001). The Project would include 414,700 square feet of industrial/warehouse space, excluding associated improvements. As such, the estimated number of employees required for operation would be approximately 196.

According to the City's General Plan, as of January 2009, the population of the City was approximately 88,184 residents. Upon build-out, the City anticipates to grow to more than 243,000 residents (City of Hesperia 2010a). As such, the Project-related increase of approximately 196 employees would represent a nominal percentage of the City's projected future population upon General Plan build-out.[1]

In addition, data provided by the California Employment Development Department in August 2021 found that the unemployment rate for San Bernardino County is at 7.6%, which is approximately the same as the state average 7.5% (EDD 2021). As such, the Project's temporary and permanent employment requirements could likely be met by the City's existing labor force without people needing to relocate into the Project region, and the Project would not stimulate population growth or a population concentration above what is assumed in local and regional land use plans. Therefore, impacts would be less than significant, and no further analysis will be conducted in the Draft EIR.

b) Would the Project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. The Project site is currently vacant and contains no housing or other residential uses. Given that no residential uses are located on site, it follows that the site does not support a residential population. Therefore, no impacts would occur, and no further analysis will be conducted in the Draft EIR.

[1] Note that this represents a conservative approach, as this finding assumes that all future employees will have relocated to the City as a result of the Project from outside of the City, and that no future employees are already residents of the City.

3.15 Public Services

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XV. PUBLIC SERVICES				
a) Would the Project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
iv) Fire protection?	☐	☐	☒	☐
v) Police protection?	☐	☐	☒	☐
vi) Schools?	☐	☐	☐	☒
vii) Parks?	☐	☐	☐	☒
viii) Other public facilities?	☐	☐	☐	☒

a) ***Would the Project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:***

Fire protection?

Less-Than-Significant Impact. Fire protection and emergency response services for the Project site are provided by the San Bernardino County Fire Department (SBCFD). SBCFD operates three fire stations within the City, with Fire Station 305 (8331 Caliente Road) located approximately 1.9 miles south of the Project site, Fire Station 304 (15660 Eucalyptus Street) is located approximately 5.7 miles northeast and Fire Station 302 (17288 Olive Street) is located approximately 6.9 miles east (SBCFD 2021).

According to the City's General Plan Safety Element, the average response time within the City is approximately 7 minutes 16 seconds (City of Hesperia 2010a). If needed, fire stations from adjacent cities, such as Victorville and Apple Valley, may respond to emergency calls in Hesperia. Based on the proximity of the Project site to the existing SBCFD facilities, the average response times in the Project area, the ability for nearby cities to respond to emergency calls, and the fact that the Project site is already located within SBCFD's service area, the Project could be adequately served by the SBCFD without the construction of new, or the expansion of existing, facilities.

In addition, as previously analyzed in response 3.14(a), the Project would not directly or indirectly induce unplanned population growth in the City. Although the Project could potentially result in an incremental increase in calls for service to the Project site compared to existing conditions, this increase is expected to be nominal (as opposed to new residential or commercial/retail land uses, which do result in greater increase in calls for service) and would not result in the need for new fire protection facilities.

Overall, it is anticipated that the Project would be adequately served by existing SBCFD facilities, equipment, and personnel. Therefore, impacts would be less than significant, and no further analysis will be conducted in the Draft EIR.

Police protection?

Less-Than-Significant Impact. Police protection and emergency response services for the Project site are provided by the San Bernardino County Sheriff's Department. The sheriff's department operates one station within the City, Hesperia Police Department (15840 Smoke Tree Street), which is located approximately 5 miles east of the Project site. Hesperia Police Department is comprised of approximately 58 law enforcement personnel, including 1 captain, 1 lieutenant, 7 sergeants, 5 detectives, and 44 deputy sheriffs (City of Hesperia 2021b).

As previously addressed, the Project would not directly or indirectly induce unplanned population growth in the City. Although the Project could potentially result in a slight incremental increase in calls for service to the Project site compared to existing conditions, this increase is expected to be nominal (as opposed to new residential or commercial/retail land uses, which do result in greater increase in calls for service) and would not result in the need for new police protection facilities.

Overall, it is anticipated that the Project would be adequately served by existing San Bernardino County Sheriff's Department facilities, equipment, and personnel. Therefore, impacts would be less than significant, and no further analysis will be conducted in the Draft EIR.

Schools?

No Impact. As previously discussed, the Project would not directly or indirectly induce unplanned population growth in the City. Although the Project would require employees to construct and operate the Project, these short-term and long-term employees would likely already reside within the broader Project area. As such, it is not anticipated that many people would relocate to the City as a result of the Project, and an increase in school-age children requiring public education is not expected to occur as a result.

Similar to other development projects in the City, the Project would be subject to Senate Bill 50, which requires payment of mandatory impact fees to offset any impact to school services or facilities. The provisions of Senate Bill 50 are deemed to provide full and complete mitigation of school facilities impacts, notwithstanding any contrary provisions in CEQA or other state or local laws (Government Code Section 65996). In accordance with Senate Bill 50, the Project Applicant would pay its fair share of impact fees based on the Project's square footage per Government Code Section 65995(h). These impact fees are required of most residential, commercial, and industrial development projects in the City. Therefore, no impacts would occur, and no further analysis will be conducted in the Draft EIR.

Parks?

No Impact. The Project would construct an industrial/warehouse building in the City. The Project does not propose any residential uses and would not directly or indirectly induce unplanned population growth in the City. As such, the Project would not increase the use of existing neighborhood parks or regional parks in the City and surrounding area. Therefore, no impacts would occur, and no further analysis will be conducted in the Draft EIR.

Other public facilities?

No Impact. Given industrial nature of the Project and the lack of population growth that would result from the Project, it is unlikely that the Project would increase the use of libraries and other public facilities. Therefore, no impacts would occur, and no further analysis will be conducted in the Draft EIR.

3.16 Recreation

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. RECREATION				
a) Would the Project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b) Does the Project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

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

b) Does the Project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?

No Impact. The Project would construct an industrial/warehouse building and associated improvements. The Project does not propose any residential uses and would not directly or indirectly result in a substantial and unplanned increase in population growth within the Project area. As such, the Project would not increase the use of existing neighborhood parks or regional parks in the City and surrounding area. In addition, as an industrial use, the Project does not propose recreational facilities or require the construction or expansion of recreational facilities. Therefore, no impacts would occur, and no further analysis will be conducted in the Draft EIR.

3.17 Transportation

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

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

b) Would the Project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

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

d) Would the Project result in inadequate emergency access?

Potentially Significant Impact. Project operations would involve industrial/warehouse activities that would generate truck and passenger vehicle traffic that may conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for the performance of the circulation system, or otherwise result in both localized and broader transportation impacts. Further traffic impact analysis is required to determine whether the Project could potentially result in any adverse effects related the local and regional circulation system. Therefore, these issues will be analyzed in the Draft EIR.

3.18 Tribal Cultural Resources

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

Would the Project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?

b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?

Potentially Significant Impact. Implementation of the Project would result in construction and operational activities upon a currently undeveloped, vacant site. Such activities could potentially have an adverse effect on currently unrecorded, unknown, historical, archaeological, or Tribal cultural resources. Further cultural resources analysis is required to determine whether the Project could potentially result in any adverse effects related to cultural resources. Therefore, these issues will be analyzed further in the Draft EIR.

3.19 Utilities and Service Systems

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

a) Would the Project require or result in the relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

b) Would the Project have sufficient water supplies available to serve the Project and reasonably foreseeable future development during normal, dry, and multiple dry years?

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

d) Would the Project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

e) Would the Project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Potentially Significant Impact. Project construction and operations would involve activities that would require the use of energy and would generate the need for domestic water, sanitary sewer, stormwater, and solid waste disposal. Given the vacant, undeveloped nature of the Project site, these, and likely other dry and wet utilities and services would need to be extended onto the Project site. Further analysis is required to determine whether the Project could potentially result in any adverse effects related to utilities and services systems and to determine whether the Project would have sufficient water supplies available to serve the Project and reasonably foreseeable future development during normal, dry, and multiple dry years. Therefore, these issues will be analyzed in the Draft EIR.

3.20 Wildfire

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

a) Would the Project substantially impair an adopted emergency response plan or emergency evacuation plan?

b) Due to slope, prevailing winds, and other factors, would the Project exacerbate wildfire risks, and thereby expose Project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

c) Would the Project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

d) Would the Project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

Potentially Significant Impact. According to California Department of Forestry and Fire Protection's 2008 Local Response Area map for the City, the Project site is not located in an area identified as being susceptible to wildland fire (CAL FIRE 2021). The Project site is located near a Moderate Fire Hazard Severity Zone (FHSZ) to the west and a High FHSZ to the south, although the nearest Very High FHSZ is located approximately 8 miles south of the Project site. Given the Project site's proximity to Moderate and High FHSZs, further wildfire risk analysis is required to determine whether the Project could potentially result in any adverse effects related to wildfire. Therefore, these issues will be analyzed in the Draft EIR.

3.21 Mandatory Findings of Significance

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XXI. MANDATORY FINDINGS OF SIGNIFICANCE				
a) Does the Project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☒	☐	☐	☐
b) Does the Project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☒	☐	☐	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Does the Project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☒	☐	☐	☐

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

Potentially Significant Impact. The Project has the potential to degrade the quality of the environment, reduce the habitat of a plant or wildlife species, cause a plant or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, or reduce the number or restrict the range of a rare or endangered plant or animal (see Section 3.4, Biological Resources). In addition, the Project may have the potential to eliminate important examples of California history or prehistory during grading activities due to the potential for unanticipated cultural resources (see Section 3.5, Cultural Resources). Therefore, impacts are considered potentially significant, and this issue will be analyzed in the Draft EIR.

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

Potentially Significant Impact. The Project could have impacts that are individually limited but cumulatively considerable. The EIR will analyze past, present, and reasonably foreseeable projects in the vicinity of the Project site. Therefore, impacts are considered potentially significant, and this issue will be analyzed in the Draft EIR.

c) ***Does the Project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?***

Potentially Significant Impact. The Project could have environmental effects that could cause substantial adverse effects on human beings. Therefore, impacts are considered potentially significant, and this issue will be analyzed in the Draft EIR.

4 References and Preparers

4.1 References Cited

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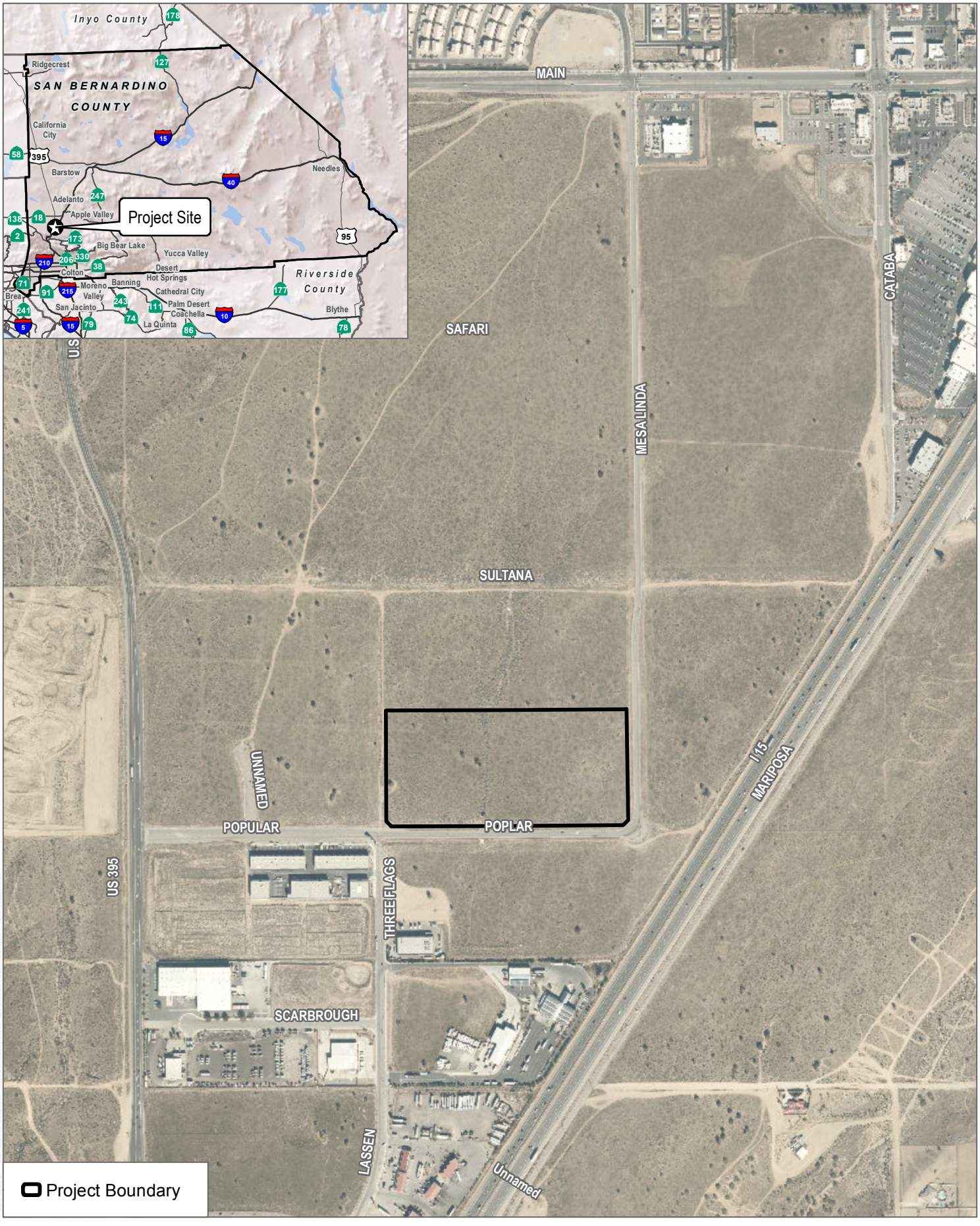
4.2 List of Preparers

City of Hesperia

Ryan Leonard, Senior Planner

Dudek (Environmental Consultant)

Carey Fernandes, Principal
Sean Kilkenny, Senior Project Manager
Ronelle Candia, Senior Project Manager
Hailee McOmber, GIS Analyst



SOURCE: Esri World Imagery Basemap 2021

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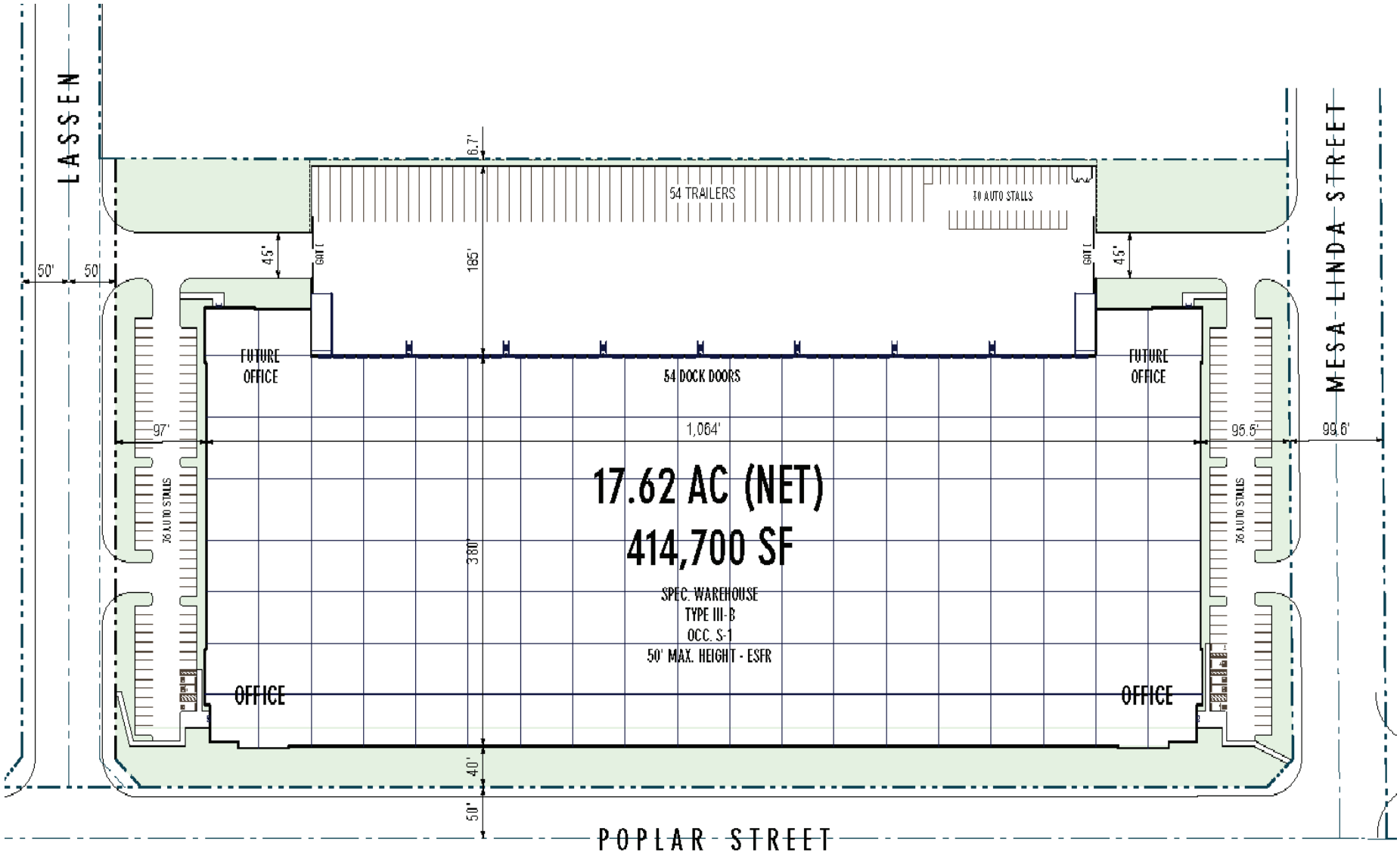
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FIGURE 1

Project Location

Poplar 18 Project

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SOURCE: RGA Office of Architectural Design 2021

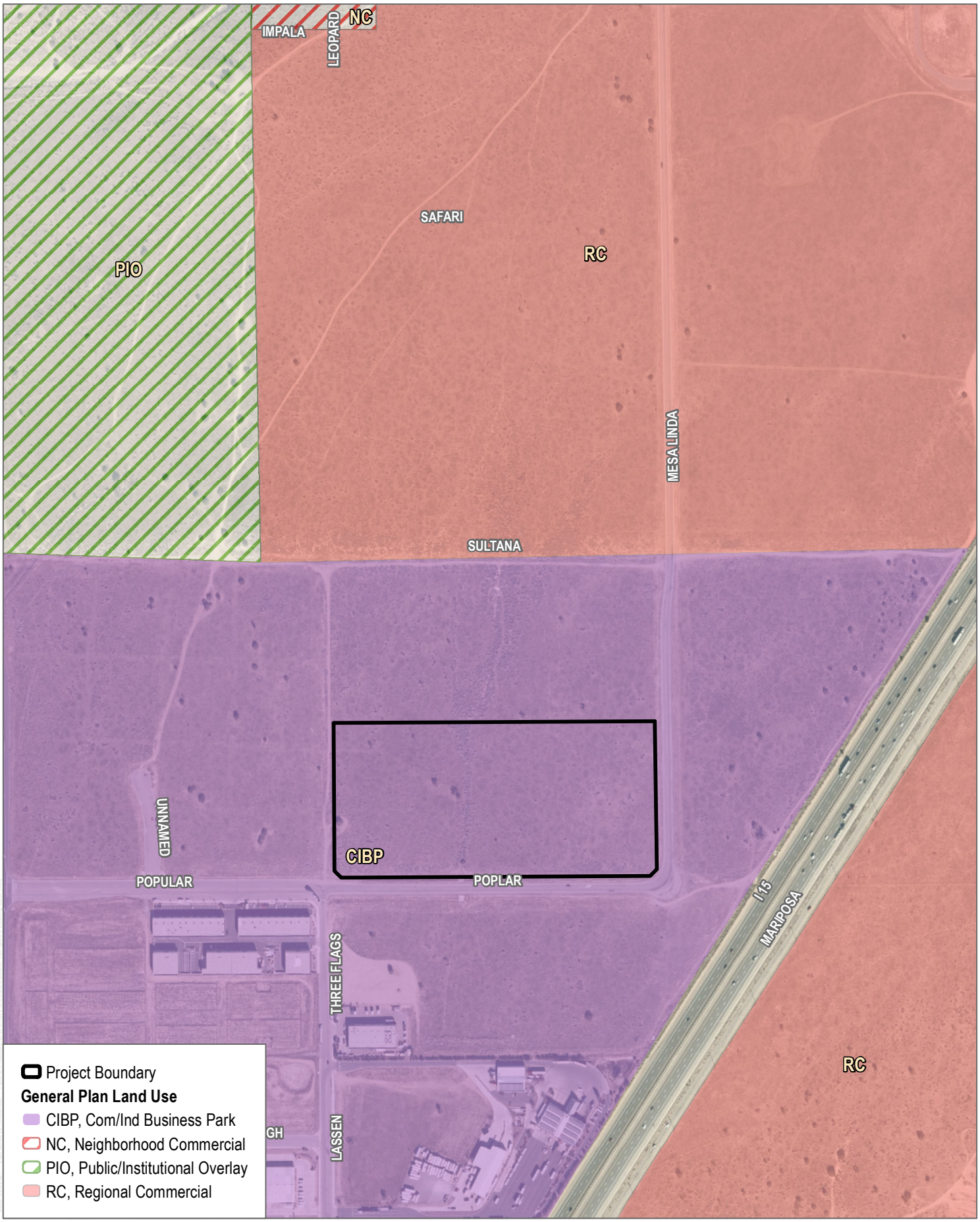
FIGURE 2

Project Site Plan

Poplar 18 Project

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SOURCE: Esri World Imagery Basemap 2021, City of Hesperia 2020

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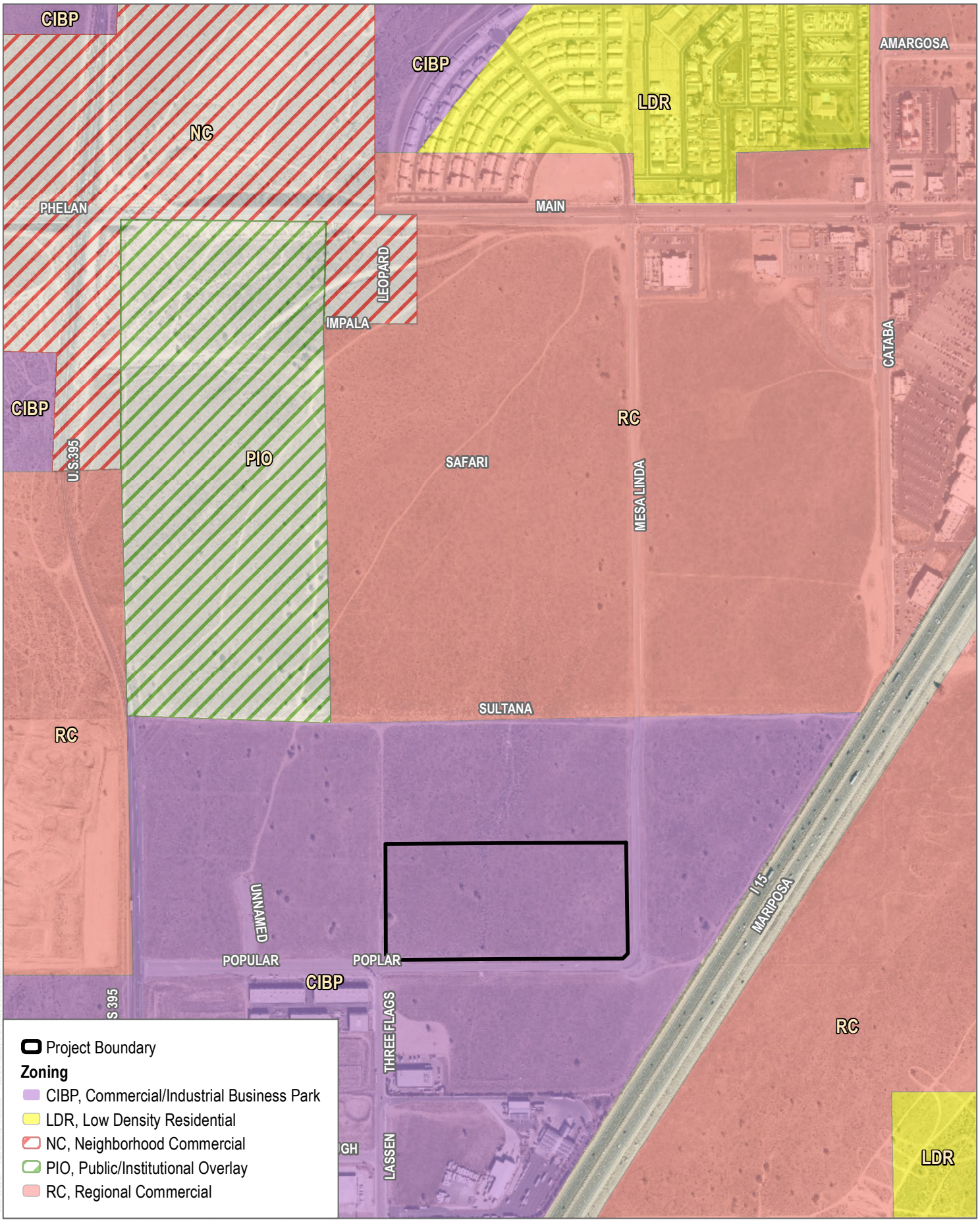
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FIGURE 3

Existing General Land Use Plan

Poplar 18 Project

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SOURCE: Esri World Imagery Basemap 2021, City of Hesperia 2020

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FIGURE 4

Existing Zoning

Poplar 18 Project

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NOTICE OF PREPARATION OF A DRAFT ENVIRONMENTAL IMPACT REPORT AND NOTICE OF A PUBLIC SCOPING MEETING

Date: August 11, 2022

To: State Agencies, Responsible Agencies, Local and Public Agencies, and Interested Parties

From/Lead Agency: City of Hesperia, Planning Department

Subject: Notice of Preparation of an Environmental Impact Report for the Poplar 18 Project

This Notice of Preparation (NOP) has been prepared to notify agencies and interested parties that the City of Hesperia (City), as lead agency, is commencing preparation of an Environmental Impact Report (EIR) pursuant to the California Environmental Quality Act (CEQA) to evaluate the potential environmental effects associated with implementation of the Poplar 18 Project (Project).

The City is requesting input from interested individuals, organizations, and agencies regarding the scope and content of the environmental analysis to be included in the upcoming EIR. In accordance with CEQA, the City requests that agencies provide comments on the environmental issues related to the statutory responsibilities of their particular agency. This NOP contains a description of the Project, its location, and a preliminary determination of the environmental resource topics to be addressed in the EIR.

Project Location

The approximately 17.87-acre Project site is located in the western part of the City, which is within the Victor Valley region of San Bernardino County (Figure 1, Project Location). The Project site is located on the southwest quadrant of I-15 and Main Street. The Project site is located south of Main Street, west of Cataba Road and Mesa Linda Street, north of I-15 and Poplar Street, and east of U.S. Highway 395 and Lassen Road. The Project site consists of two parcels: Assessor's Parcel Numbers (APNs) 3064-581-04-0000 and 3064-581-05-0000. Specifically, the Project site is located in Section 22, Township 4 North, Range 5 West, as depicted on the U.S. Geological Survey Baldy Mesa, California 7.5-minute topographic quadrangle map. Regional access to the Project site is provided via I-15 and U.S. Highway 395.

Project Summary

The proposed Project would provide 414,700 square feet of industrial/warehouse space and include associated improvements, such as loading docks, tractor-trailer stalls, passenger vehicle parking spaces, stormwater detention basins, and landscape area (see Figure 2, Site Plan). It is anticipated that the facilities would be operated 24 hours a day, 7 days a week. At this time, the project applicant does not anticipate leasing any portion of the buildings to a tenant that would require refrigerated space.

Cameron Gregg, Mayor
Bill Holland, Mayor Pro Tem
Rebekah Swanson, Council Member
Larry Bird, Council Member
Brigit Bennington, Council Member

Nils Bentsen, City Manager

9700 Seventh Avenue
Hesperia, CA 92345

760-947-1000
TD 760-947-1119

www.cityofhesperia.us

The Project site's Land Use Designation and Zoning is Commercial/Industrial Business Park. Project development is consistent with the General Plan and the Main Street and Freeway Corridor Specific Plan. Implementation of the Project would require the following discretionary actions from the City:

- **Parcel Merger** of the two parcels within the project boundary into one 17.87-acre lot.
- **Tentative Parcel Map** to reorganize the property boundaries of the Project site to facilitate Project development
- **Conditional Use Permit** to permit the construction and operation of a warehousing and distribution center of a size greater than 200,000 square feet in the Commercial/Industrial Business Park zone

Potential Environmental Impacts of the Project

As discussed in the attached Initial Study, the EIR will evaluate whether implementation of the Project may potentially result in one or more significant environmental impacts. The potential environmental effects to be addressed in the EIR will include, but may not be limited to, the following:

- Aesthetics
- Air Quality
- Biological Resources
- Cultural, Tribal, and Paleontological Resources
- Energy
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Noise
- Transportation
- Utilities and Service Systems
- Wildfire

The EIR will also address all other CEQA-mandated topics, including cumulative impacts and Project alternatives.

Public Scoping Comment Period and Meeting

Public Scoping Comment Period

The City has established a 30-day public scoping period from August 11, 2022, to September 9, 2022. During the scoping period, the City's intent is to disseminate Project information to the public and solicit comments from agencies, organizations, and interested parties, including nearby residents and business owners, regarding the scope and content of the environmental information to be included in the EIR, including mitigation measures or Project alternatives to reduce potential environmental effects.

During this period, this NOP and the Project's Initial Study may be accessed electronically at the following website:

https://www.cityofhesperia.us/312/Planning

This NOP and the Project's Initial Study are also available for review in person at Hesperia City Hall, Planning Department, 9700 Seventh Avenue, Hesperia, California 9234.

Public Scoping Meeting

During the 30-day public scoping period, the City will also hold a public scoping meeting on August 24, 2022, at 5:00 p.m. at Hesperia City Hall, Planning Department, 9700 Seventh Avenue, Hesperia, California 92345. The public scoping meeting will provide an additional opportunity to receive and disseminate information, identify potential environmental issues of concern, and

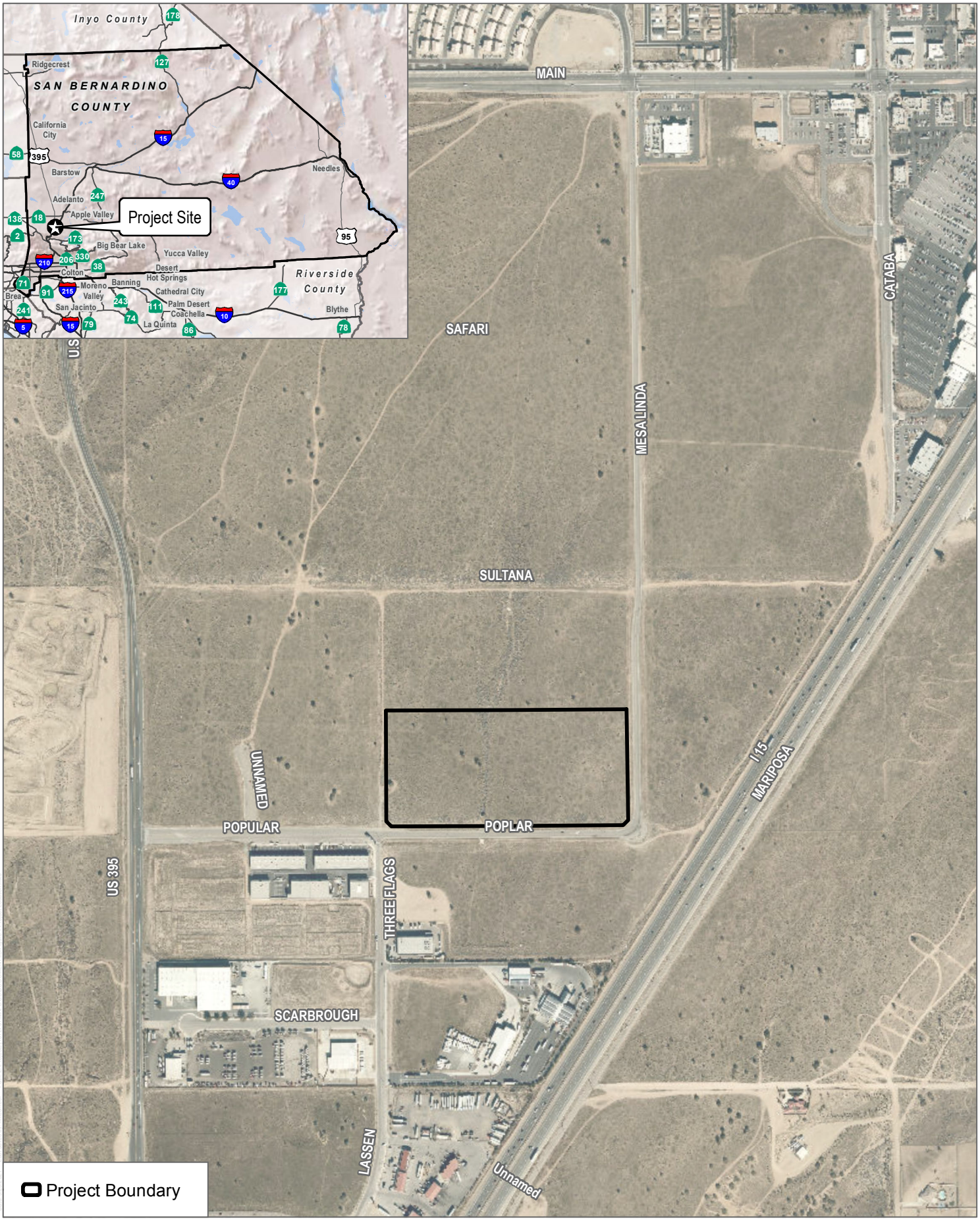
discuss the scope of analysis to be included in the EIR. The scoping meeting is not a public hearing, and no decisions on the Project will be made at this meeting. It is an additional opportunity for agencies, organizations, and the public to provide scoping comments in person on what environmental issues should be addressed in the EIR. All public agencies, organizations, and interested parties are encouraged to attend and participate in this meeting.

Scoping Comments

All scoping comments must be received in writing by 5:00 p.m. on September 9, 2022, which marks the end of the 30-day public scoping period. All written comments should indicate an associated contact person for the agency or organization, if applicable, and reference the Project name in the subject line. Pursuant to CEQA, responsible agencies are requested to indicate their statutory responsibilities in connection with the Project when responding. Please mail or email comments and direct any questions to the following contact person:

Ryan Leonard, Senior Planner
City of Hesperia Planning Department
9700 Seventh Avenue
Hesperia, California 92345
Phone: (760) 947-1651
Email: rleonard@cityofhesperia.us

Attachments:
Figure 1, Project Location
Figure 2, Site Plan



SOURCE: Esri World Imagery Basemap 2021

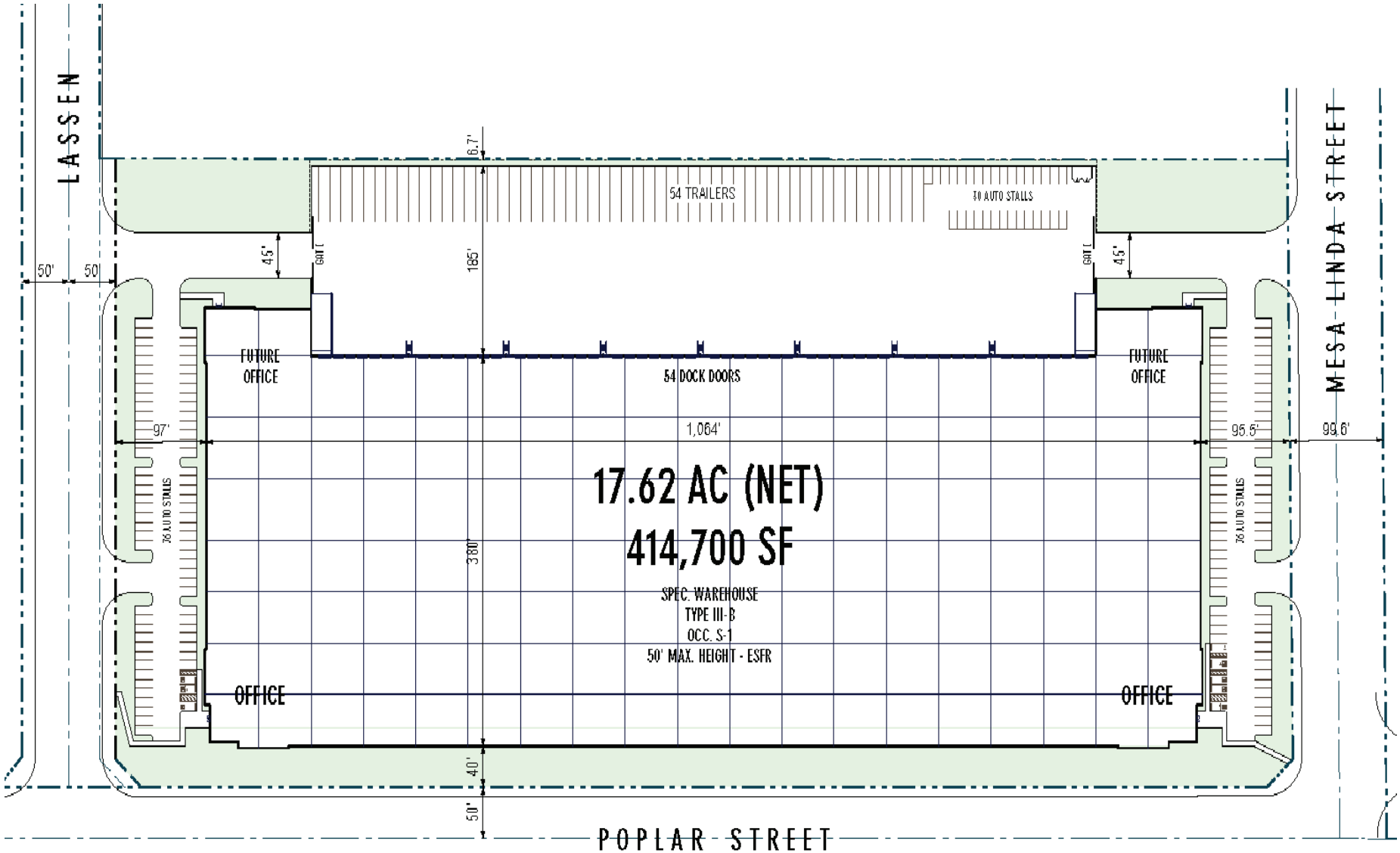
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FIGURE 1

Project Location

Poplar 18 Project



SOURCE: RGA Office of Architectural Design 2021

FIGURE 2

Project Site Plan

Poplar 18 Project

DUDEK

Mojave Desert Air Quality Management District
Brad Poiriez, *Executive Director*
14306 Park Avenue, Victorville, CA 92392-2310
760.245.1661 • Fax 760.245.2022
www.MDAQMD.ca.gov • @MDAQMD

August 17, 2022

Ryan Leonard, Senior Planner
City of Hesperia, Planning Department
9700 Seventh Avenue
Hesperia, CA 92345

Project: Hesperia Poplar 18 Project

Dear Mr. Leonard:

The Mojave Desert Air Quality Management District (District) has reviewed the Notice of Preparation (NOP) for the Poplar 18 Project. The project would provide 414,700 square feet of industrial/warehouse space and include associated improvements, such as loading docks, tractor-trailer stalls, passenger vehicle parking spaces, stormwater detention basins, and landscape area. It is anticipated that the facilities would be operated 24 hours a day, 7 days a week. At this time, the project applicant does not anticipate leasing any portion of the buildings to a tenant that would require refrigerated space.

We have reviewed the project as proposed and based on the information available to us at this time, the District will require the implementation of the following mitigation measures:

- Preparation and submission to the MDAQMD, prior to commencing earth-moving activity, a dust control plan that describes all applicable dust control measures that will be implemented at the project. The most current Dust Control Plan Requirements and Dust Control Plan Submission Form are available at http://mdaqmd.ca.gov/permitting/compliance-forms.

- Signage compliant with Rule 403 Attachment B shall be erected at each project site entrance not later than the commencement of construction.

- Use a water truck to maintain moist disturbed surfaces and actively spread water during visible dusting episodes to minimize visible fugitive dust emissions. For projects with exposed sand or fines deposits (and for projects that expose such soils through earthmoving), chemical stabilization or covering with a stabilizing layer of gravel will be required to eliminate visible dust/sand from sand/fines deposits.

- All perimeter fencing shall be wind fencing or the equivalent, to a minimum of four feet of height or the top of all perimeter fencing. The owner/operator shall maintain the wind fencing as needed to keep it intact and remove windblown dropout. This wind fencing

requirement may be superseded by local ordinance, rule or project-specific biological mitigation prohibiting wind fencing.

- All maintenance and access vehicular roads and parking areas shall be stabilized with chemical, gravel or asphaltic pavement sufficient to eliminate visible fugitive dust from vehicular travel and wind erosion. Take actions to prevent project-related trackout onto paved surfaces, and clean any project-related trackout within 24 hours. All other earthen surfaces within the project area shall be stabilized by natural or irrigated vegetation, compaction, chemical or other means sufficient to prohibit visible fugitive dust from wind erosion.

Additionally, we recommend the operator obtain District permits for any miscellaneous process equipment that may not be exempt under District Rule 219 including, but not limited to:

- Internal Combustion Engines with a manufacture's maximum continuous rating greater than or equal to 50 brake horsepower.

Thank you for the opportunity to review this planning document. If you have any questions regarding this letter, please contact me at (760) 245-1661, extension 6726, or Bertrand Gaschot at extension 4020.

Sincerely,

Alan J. De Salvio
Deputy APCO

AJD/bg Hesperia Poplar 18 Project

8/23/2022

Sent via email

Ryan Leonard, Senior Planner
City of Hesperia
9700 Seventh Ave
Hesperia, CA 92345
(760) 947-1651
rleonard@cityofhesperia.us

Re: Comments on Notice of Preparation of Draft Environmental Impact Report for Poplar 18 Project

Dear Mr. Leonard:

These comments are submitted on behalf of the Center for Biological Diversity (the "Center") regarding City of Hesperia's Notice of Preparation ("NOP") of a Draft Environmental Impact Report ("DEIR") for the Poplar 18 Project (the "Project"). The Center is concerned about the significant impacts the Project may impose on Joshua Trees. The Center urges the City to fully evaluate, disclose, and plan to mitigate the environmental impacts of this Project as required by the California Environmental Quality Act ("CEQA").

The Center is a non-profit, public interest environmental organization dedicated to the protection of native species and their habitats through science, policy, and environmental law. The Center has over 1.7 million members and online activists throughout California and across the United States. The Center has worked for many years to protect imperiled plants and wildlife, open space, air and water quality, and overall quality of life for people in Hesperia and San Bernardino County.

I. The Project site is home to a natural community of concern.

The Project site is located in the western part of Hesperia, just north of Interstate 15. The City is located within the range of the western Joshua tree South population ("YUBR South"). The geographic area in which YUBR South is situated is comprised of 3.7 million acres, with over 50% in private ownership, 48% federally owned, and under 2% state, county and local owned. (USFWS 2018.) The USFWS (2018) estimates that 3,255,088 acres of this area are suitable for Joshua trees based on soil characteristics, moisture level, and other factors. However, Joshua trees actually occupy only a fraction of this area, as they have a sparse and scattered distribution, and large areas of habitat have been lost to development and agricultural conversion.

Increasing development, climate change, persistent drought, more frequent and intense wildfires, invasive species, and other threats have led to ongoing reductions in western Joshua trees and western Joshua tree habitat throughout their historic range. Protecting western Joshua trees and their habitat from continued destruction and habitat loss is therefore vitally important to the persistence of the species in California. However, within the City and surrounding communities in particular, western Joshua tree habitat is shrinking at an alarming rate due to increasing development. While western Joshua trees currently persist in the less-developed areas of the City, they are absent from more developed areas and agricultural lands in the region, making the Project site especially valuable as habitat for the species.

The DEIR and associated mitigation plans should acknowledge that the Project site is composed of ecologically significant habitat for Joshua trees. The City should carefully study and disclose the extent to which Joshua trees and their habitat would be impacted by the Project, and take all necessary and prudent actions to mitigate any such impacts. Joshua tree woodland is a community recognized by the California Department of Fish and Wildlife ("CDFW") as a Natural Community of Concern. Sensitive natural communities are communities that are of limited distribution statewide or within a county or region and are often vulnerable to environmental effects of projects. (CDFW 2018.) CDFW's List of California Terrestrial Natural Communities is based on the best available information, and indicates which natural communities are considered sensitive at the current stage of the California vegetation classification effort.

II. Western Joshua Trees are a Special Status Species, the impacts to which are presumed to be significant.

The CEQA Guidelines indicate that a Project can be expected to have significant impacts to biological resources if the Project has a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service. (CEQA Guidelines, Appendix G, subd. IV(a).) CEQA Guidelines section 15065(a)(1) requires that lead agencies conducting an initial study make a mandatory finding of significance where a proposed project has the potential to substantially reduce the number or restrict the range of a listed species. Further, California Fish and Game Code section 2085 requires that species that are candidates for listing as threatened or endangered under the California Endangered Species Act ("CESA") be treated as threatened or endangered pending the final listing decision.

On September 22, 2020, the California Fish and Game Commission ("CFGC") advanced the western Joshua tree to candidacy under CESA, protecting these imperiled plants from harm during the ongoing review process. (CFGC 2020.) Consequently, the Project's impacts to the western Joshua trees must be considered significant and fully evaluated and disclosed to the public. Accordingly, the DEIR should acknowledge the Project's significant impacts on Joshua trees, and make appropriate plans to mitigate or avoid those impacts.

III. The DEIR should fully assess and disclose the Project's impacts on Joshua trees, including destruction or modification of habitat and cumulative impacts.

The DEIR should provide sufficient information about the Joshua tree population and Joshua tree habitat on the current Project site. In addition to the number, size, location, and distribution of Joshua trees on the site, the DEIR should indicate how much of the Project site is suitable Joshua tree habitat and Joshua tree woodland. Additionally, the DEIR should disclose the extent to which Joshua trees at the site will be removed or destroyed and the amount of Joshua tree habitat that would be converted or developed. If any Joshua trees will be preserved, the DEIR should describe the Project's impacts on those Joshua trees, and explain the measures, including monitoring, that will be taken to ensure their continued health after the Project is constructed.

The DEIR should also describe in detail all potentially significant direct or indirect impacts associated with the destruction or adverse modification of the western Joshua tree's habitat. Development, climate change, and increasing wildfire occurrences exacerbated by drought and invasive species negatively impact western Joshua trees and their habitat. (DeFalco et al. 2010; Harrower and Gilbert 2018). Research suggests that even under the most optimistic climate scenarios, western Joshua trees will be eliminated from significant portions of their range by the end of the century; under warming scenarios consistent with current domestic and global emissions trajectories, the species will likely be close to being functionally extinct in the wild in California by century's end. (Dole et al. 2003; Cole et al. 2011; Sweet et al. 2019). Studies indicate that the species' range is contracting at lower elevations, recruitment is limited, and mortality is increasing, all of which would likely reflect a population already starting to decline due to recent warming. Even greater changes are projected to occur over the coming decades. The DEIR should consider the Project's impacts to the Joshua tree in light of its rapidly diminishing habitat. Additionally, the City is currently considering (or has approved) numerous other warehouse projects that will destroy Joshua tree habitat; the DEIR must consider the Project's cumulative impacts to the species and its habitat. (CEQA Guidelines § 15355.)

The DEIR should also consider the significant impacts to Joshua trees associated with the reduction in habitat connectivity. Maintaining habitat connectivity is particularly important to western Joshua trees. For successful reproduction and recruitment, Joshua trees require the presence of their obligate pollinator, yucca moths, and rodents to disperse and cache seeds and nurse plants to shelter emerging seedlings. (Pellmyr and Segraves 2003; Godsoe, et al. 2008.; Harrower and Gilbert 2018). Therefore, to the degree that any Joshua trees are left remaining on the Project site, these moths and rodents must have access to be maintained on site to ensure remnant Joshua trees can successfully reproduce. The DEIR should analyze how construction on the project site will affect habitat connectivity necessary for sustainable Joshua tree recruitment onsite. The City should also evaluate whether the Project would result in further habitat fragmentation, potentially resulting in significant adverse impacts to remnant Joshua tree woodland in nearby areas if pollinator or disperser populations are reduced.

IV. Reliance on a relocation plan is not adequate to mitigate potential significant impacts to Joshua Trees and Joshua Tree habitat.

The DEIR cannot rely solely on a Joshua tree relocation to mitigate the Project's significant impacts to Joshua trees. Though a relocation plan may be designed to fulfill the

requirements of the city of Hesperia's Protected Plant Policy (Hesperia Municipal Code § 16.24), compliance with this City requirement does not satisfy the requirements of CESA and CEQA. Further, relocation success rates for Joshua trees are low, as a proposed relocation plan for another warehouse project in the City has already acknowledged. The California Fish and Game Commission has also noted the inadequacy of translocation as mitigation. When it adopted its California Policy for Native Plants in 2015, the Commission stated that "transplantation as a means of mitigating for listed plant species" is "largely ineffectual over time and often damaging to species or population survival" as documented by "experience and numerous studies." (California Fish and Game Code, 2020.) Moreover, even if individual trees were to survive transplantation, there is no guarantee of long-term viability of the species on the Project or translocation site. Successful recruitment would be constrained by lack of nurse plants and it remains highly uncertain whether pollinating moths, vital to Joshua tree pollination, will be able to persist with the resultant lower Joshua tree densities. (Harrower and Gilbert 2018 ["Having robust, dense, flowering trees is important to support and attract enough moths for successful seed set"]).

If the City does develop a relocation plan as *part* of its overall mitigation, that plan must comply with CEQA and relevant state and local requirements and include sufficient detail for the public to discern the effectiveness of that mitigation plan. The CEQA Guidelines prohibit agencies from deferring the formulation of mitigation measures to after project approval except in certain, strictly limited circumstances. (CEQA Guidelines § 15126.4(a)(1)(B).) An agency may develop the specifics of mitigation after project approval only "when it is impractical or infeasible to include those details during the project's environmental review." (Id.) That is, "practical considerations" must "prevent[] the formulation of mitigations measures at the usual time in the planning process." (*POET, LLC v. State Air Res. Bd.* (2013) 218 Cal.App.4th 681, 736.) Unless those considerations are "readily apparent," an EIR must explain an agency's decision to defer finalizing the specifics of mitigation. (*Preserve Wild Santee v. City of Santee* (2012) 210 Cal.App.4th 260, 281.) Any mitigation for the Project's impacts to Joshua trees should therefore be released and approved alongside the EIR, and not deferred.

Any relocation plan should include detailed information and planning regarding where Joshua trees will be transplanted. This information is vital to determining whether transplantation will be successful. Pro forma descriptions of 'suitable habitat' ignore important recent work on demographic trends in Joshua trees showing suitable habitat of Joshua trees under current climate conditions is vastly overestimated. It is also unclear whether transplanted Joshua trees will be able to survive long-term in areas that are deemed current suitable habitat, even if initial transplants are successful. (Cole et al. 2011, Smith 2018). A relocation plan cannot use arbitrary standards for sufficient survival rates of transplanted trees. Targets for transplant survival and success should be clearly linked to significant impacts of the Project and designed to adequately mitigate for the destruction of Joshua trees and Joshua tree habitat at the Project site.

Any relocation plan should include a robust monitoring scheme to ensure short-term success and long-term persistence of transplanted trees. Such a monitoring scheme should include frequent and long-term data collection on the number, condition, and reproductive success of transplanted trees. The success of such translocation will be inaccurate if such monitoring efforts do not account for seedling recruitment, availability of obligate pollinators,

and presence of rodent seed dispersers in addition to general tree health. (Pellmyr and Segraves 2003; Yoder et al. 2013; Lenz 2001). While some impacts such as reduced recruitment may be readily observable, impacts such as adult mortality and consequent population declines and range reductions may have a lag time before their presence is felt on the landscape. (Svenning and Sandel 2013). Accordingly, the DEIR's proposed mitigation must include the required specific performance standards "for evaluating the efficacy of the measures implemented." (*See POET, LLC v. State Air Res. Bd.* (2013) 218 Cal.App.4th 681, 738.)

V. The EIR should require preservation of offsite Joshua trees and Joshua tree habitat at a 5:1 ratio.

In addition to Project design measures that will avoid and minimize onsite impacts, offsite mitigation will be necessary. This should be in the form of protection and preservation of western Joshua trees in other areas at a suitable mitigation ratio. Given the high number of Joshua Trees affected and the important vegetation habitat involved, a high level of mitigation is warranted to offset the Project's significant impacts. A 5:1 mitigation ratio is appropriate here and is consistent with mitigation required by CDFW for projects impacting important desert tortoise habitat.

There are multiple paths to meeting offsite mitigation requirements for Joshua trees. For example, the City and/or Project proponent may purchase credits from a CDFW approved conservation or mitigation bank, which is a privately or publicly owned land managed for its natural resource values. Credits are established for the specific CESA-listed species that occur on the site. As a result of the recent advancement to candidacy of the species under CESA, CDFW has established a Western Joshua Tree Mitigation Fund through which payments may be made for mitigation purposes. (*See* Cal. Code Regs., tit. 14, § 749.10.) This is likely the simplest and most effective plan, and would align CEQA mitigation requirements with those needed to meet incidental take permit conditions under CESA. Alternatively, the Project proponent could work with a land trust or other qualified organization to acquire a conservation easement over habitat of equal or greater value. (*See* Gov. Code § 65965 et seq., Civil Code § 813 et seq.) Regardless of which path the City and Project proponent follow, these mitigation approaches are eminently feasible; in order to comply with CEQA, the City must consider and adopt additional feasible mitigation for the Project's significant adverse impacts to western Joshua trees.

Conclusion

Thank you for the opportunity to submit comments on the NOP for the Poplar 18 Project. The Center is deeply concerned by the potentially significant environmental impacts of the proposed Project. We urge the City to carefully prepare a DEIR and associated mitigation plans for public review and comment so that the extent of Project impacts can be assessed in a legally compliant manner.

Given the possibility that the Center will be required to pursue legal remedies to ensure that the City complies with its legal obligations including those arising under CEQA, we would like to remind the City of its statutory duty to maintain and preserve all documents and communications that may constitute part of the "administrative record" of this proceeding.

(§ 21167.6(e); *Golden Door Properties, LLC v. Superior Court* (2020) 53 Cal.App.5th 733, 762-65.) The administrative record encompasses any and all documents and communications that relate to any and all actions taken by the City with respect to the Project, and includes "pretty much everything that ever came near a proposed [project] or [] the agency's compliance with CEQA . . . ." (*County of Orange v. Superior Court* (2003) 113 Cal.App.4th 1, 8.) The administrative record further includes all correspondence, emails, and text messages sent to or received by the City's representatives or employees, that relate to the Project, including any correspondence, emails, and text messages sent between the City's representatives or employees and the Applicant's representatives or employees. Maintenance and preservation of the administrative record requires that, *inter alia*, the City (1) suspend all data destruction policies; and (2) preserve all relevant hardware unless an exact replica of each file is made.

Please place me on the City's notice list for all future updates, notices, and materials associated with the Project and its environmental review, and do not hesitate to contact the Center with any questions at the number or email listed below.

Sincerely,



Hallie Kutak
Staff Attorney | Senior Conservation Advocate
Center for Biological Diversity
1212 Broadway, Suite #800
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REFERENCES

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NATIVE AMERICAN HERITAGE COMMISSION

Governor's Office of Planning & Research

Aug 26 2022

STATE CLEARING HOUSE

August 24, 2022

Ryan Leonard
City of Hesperia
9700 Seventh Street
Hesperia, CA 92345

Re: 2022080248, Poplar 18 Project, San Bernardino County

Dear Mr. Leonard:

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

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

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

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

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AB 52

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

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

- **a.** A brief description of the project.
- **b.** The lead agency contact information.
- **c.** Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
- **d.** A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

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

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

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

- **a.** Alternatives to the project.
- **b.** Recommended mitigation measures.
- **c.** Significant effects. (Pub. Resources Code §21080.3.2 (a)).

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

- **a.** Type of environmental review necessary.
- **b.** Significance of the tribal cultural resources.
- **c.** Significance of the project's impacts on tribal cultural resources.
- **d.** If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ii. Protecting the traditional use of the resource.

iii. Protecting the confidentiality of the resource.

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

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

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

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

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

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

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

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

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

SB 18

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

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).

2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.

3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).

4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:

- **a.** The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
- **b.** Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

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

NAHC Recommendations for Cultural Resources Assessments

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

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (https://ohp.parks.ca.gov/?page_id=30331) for an archaeological records search. The records search will determine:

- **a.** If part or all of the APE has been previously surveyed for cultural resources.
- **b.** If any known cultural resources have already been recorded on or adjacent to the APE.
- **c.** If the probability is low, moderate, or high that cultural resources are located in the APE.
- **d.** If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.

- **a.** The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
- **b.** The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:

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

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

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

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

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

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

If you have any questions or need additional information, please contact me at my email address: Cameron.Vela@nahc.ca.gov.

Sincerely,

Cameron Vela

Cameron Vela
Cultural Resources Analyst

cc: State Clearinghouse

Appendix B-1

Air Quality and GHG Emission Estimates

Appendix B-1
AQ and GHG Emissions Calculations

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

I-15 Industrial Phase II

Mojave Desert AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	145.15	1000sqft	3.33	145,150.00	0
Unrefrigerated Warehouse-No Rail	134.78	1000sqft	3.09	134,780.00	0
Unrefrigerated Warehouse-Rail	134.78	1000sqft	3.09	134,780.00	0
Other Asphalt Surfaces	219.14	1000sqft	5.03	219,142.00	0
Parking Lot	182.00	Space	1.64	72,800.00	0
Parking Lot	43.30	1000sqft	0.99	43,300.00	0
City Park	2.20	Acre	2.20	95,832.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	30
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on applicant provided informtation. Divided land use area of warehouse into 2 and assigned one to "Rail" so that trucks and passenger vehicles can be modeled in a single run. Other asphalt surface includes repaving of Poplar Road project frontage.

Construction Phase - Building Construction set equal to 6 Months based on project specific schedule.

Off-road Equipment - Default values.

Off-road Equipment - Default values.

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - Default values.

Off-road Equipment - Default values

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Per applicant provided information.

On-road Fugitive Dust - Default values

Grading - Per applicant zero import and export of grading materials.

Architectural Coating - Per applicant Low-VOC 50 g/L coatings to be used as PDF for the project.

Vehicle Trips - Based on Traffic Study. All mobile sources accounted for in Warehouse land uses.

Area Coating - Based on applicant provided information. Low-VOC coatings 50 g/L.

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation -

Area Mitigation - Per applicant provided information Low-VOC coatings will be utlized as part of the project as PDF.

Energy Mitigation -

Water Mitigation -

Waste Mitigation - Based on project PDF

Operational Off-Road Equipment - Offroad operational vehicles are assumed electric as PDF.

Fleet Mix - See addtiioinal calculations sheets for basis.

Stationary Sources - Emergency Generators and Fire Pumps - None identified as part of the project.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	207,355.00	207,353.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	622,065.00	622,058.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50

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tblAreaCoating	Area_Nonresidential_Exterior	207355	207353
tblAreaCoating	Area_Nonresidential_Interior	622065	622058
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	250
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	250
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	300.00	131.00
tblFleetMix	HHD	0.02	0.57
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.70
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.23
tblFleetMix	LHD1	0.03	0.29
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.6920e-003	0.08
tblFleetMix	LHD2	7.6920e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4230e-003	0.00
tblFleetMix	MH	5.4230e-003	0.00
tblFleetMix	MHD	6.1550e-003	0.06
tblFleetMix	MHD	6.1550e-003	0.00
tblFleetMix	OBUS	4.8300e-004	0.00
tblFleetMix	OBUS	4.8300e-004	0.00

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tblFleetMix	SBUS	9.2800e-004	0.00
tblFleetMix	SBUS	9.2800e-004	0.00
tblFleetMix	UBUS	1.5800e-004	0.00
tblFleetMix	UBUS	1.5800e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripNumber	5.00	10.00
tblTripsAndVMT	WorkerTripNumber	20.00	30.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	CC_TL	6.60	40.00
tblVehicleTrips	CC_TL	6.60	16.60
tblVehicleTrips	CNW_TL	6.60	40.00
tblVehicleTrips	CNW_TL	6.60	16.60
tblVehicleTrips	CW_TL	14.70	40.00
tblVehicleTrips	CW_TL	14.70	16.60
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	ST_TR	1.74	1.88
tblVehicleTrips	ST_TR	1.74	7.63
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	SU_TR	1.74	1.88
tblVehicleTrips	SU_TR	1.74	7.63
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblVehicleTrips	WD_TR	1.74	1.88
tblVehicleTrips	WD_TR	1.74	7.63

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	1.2619	1.9709	2.6123	6.9000e-003	0.5076	0.0789	0.5865	0.1622	0.0737	0.2360	0.0000	623.7527	623.7527	0.0769	0.0257	633.3416
Maximum	**1.2619**	**1.9709**	**2.6123**	**6.9000e-003**	**0.5076**	**0.0789**	**0.5865**	**0.1622**	**0.0737**	**0.2360**	**0.0000**	**623.7527**	**623.7527**	**0.0769**	**0.0257**	**633.3416**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	1.2619	1.9709	2.6123	6.9000e-003	0.4136	0.0789	0.4926	0.1228	0.0737	0.1966	0.0000	623.7524	623.7524	0.0769	0.0257	633.3413
Maximum	**1.2619**	**1.9709**	**2.6123**	**6.9000e-003**	**0.4136**	**0.0789**	**0.4926**	**0.1228**	**0.0737**	**0.1966**	**0.0000**	**623.7524**	**623.7524**	**0.0769**	**0.0257**	**633.3413**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**18.51**	**0.00**	**16.02**	**24.29**	**0.00**	**16.70**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
2	10-4-2022	1-3-2023	0.0103	0.0103
3	1-4-2023	4-3-2023	0.9149	0.9149
4	4-4-2023	7-3-2023	0.7368	0.7368
5	7-4-2023	9-30-2023	0.7554	0.7554
		Highest	0.9149	0.9149

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.7484	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Energy	0.0282	0.2566	0.2155	1.5400e-003		0.0195	0.0195		0.0195	0.0195	0.0000	652.8060	652.8060	0.0369	8.9400e-003	656.3927
Mobile	0.4668	7.4356	7.0869	0.0532	3.6449	0.0966	3.7415	0.9885	0.0921	1.0805	0.0000	5,016.1432	5,016.1432	0.0451	0.5147	5,170.6584
Waste						0.0000	0.0000		0.0000	0.0000	88.0088	0.0000	88.0088	5.2012	0.0000	218.0380
Water						0.0000	0.0000		0.0000	0.0000	30.4252	226.6224	257.0476	3.1441	0.0761	358.3292
Total	**2.2435**	**7.6922**	**7.3103**	**0.0548**	**3.6449**	**0.1161**	**3.7610**	**0.9885**	**0.1116**	**1.1001**	**118.4339**	**5,895.5871**	**6,014.0210**	**8.4273**	**0.5998**	**6,403.4347**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.7484	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Energy	0.0282	0.2566	0.2155	1.5400e-003		0.0195	0.0195		0.0195	0.0195	0.0000	652.8060	652.8060	0.0369	8.9400e-003	656.3927
Mobile	0.4668	7.4356	7.0869	0.0532	3.6449	0.0966	3.7415	0.9885	0.0921	1.0805	0.0000	5,016.1432	5,016.1432	0.0451	0.5147	5,170.6584
Waste						0.0000	0.0000		0.0000	0.0000	22.0022	0.0000	22.0022	1.3003	0.0000	54.5095
Water						0.0000	0.0000		0.0000	0.0000	24.3401	182.3309	206.6710	2.5154	0.0609	287.7016
Total	**2.2435**	**7.6922**	**7.3103**	**0.0548**	**3.6449**	**0.1161**	**3.7610**	**0.9885**	**0.1116**	**1.1001**	**46.3423**	**5,851.2955**	**5,897.6379**	**3.8977**	**0.5846**	**6,169.2786**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**60.87**	**0.75**	**1.94**	**53.75**	**2.54**	**3.66**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2023	1/13/2023	5	10	
2	Grading	Grading	1/14/2023	2/24/2023	5	30	
3	Building Construction	Building Construction	2/25/2023	8/28/2023	5	131	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Paving	Paving	8/29/2023	9/25/2023	5	20	
5	Architectural Coating	Architectural Coating	9/26/2023	10/23/2023	5	20	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 90

Acres of Paving: 7.66

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 622,058; Non-Residential Outdoor: 207,353; Striped Parking Area: 16,200 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	30.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	328.00	128.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	66.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0328	0.0000	0.0328	0.0168	0.0000	0.0168	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1800e-003	0.0433	0.0267	6.0000e-005		1.9800e-003	1.9800e-003		1.8200e-003	1.8200e-003	0.0000	5.1191	5.1191	1.6600e-003	0.0000	5.1605
Total	**4.1800e-003**	**0.0433**	**0.0267**	**6.0000e-005**	**0.0328**	**1.9800e-003**	**0.0347**	**0.0168**	**1.8200e-003**	**0.0187**	**0.0000**	**5.1191**	**5.1191**	**1.6600e-003**	**0.0000**	**5.1605**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7300e-003	1.0000e-005	6.3000e-004	0.0000	6.3000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4777	0.4777	1.0000e-005	1.0000e-005	0.4819
Total	**2.0000e-004**	**1.5000e-004**	**1.7300e-003**	**1.0000e-005**	**6.3000e-004**	**0.0000**	**6.3000e-004**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.4777**	**0.4777**	**1.0000e-005**	**1.0000e-005**	**0.4819**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0147	0.0000	0.0147	7.5800e-003	0.0000	7.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1800e-003	0.0433	0.0267	6.0000e-005		1.9800e-003	1.9800e-003		1.8200e-003	1.8200e-003	0.0000	5.1191	5.1191	1.6600e-003	0.0000	5.1605
Total	**4.1800e-003**	**0.0433**	**0.0267**	**6.0000e-005**	**0.0147**	**1.9800e-003**	**0.0167**	**7.5800e-003**	**1.8200e-003**	**9.4000e-003**	**0.0000**	**5.1191**	**5.1191**	**1.6600e-003**	**0.0000**	**5.1605**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7300e-003	1.0000e-005	6.3000e-004	0.0000	6.3000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4777	0.4777	1.0000e-005	1.0000e-005	0.4819
Total	**2.0000e-004**	**1.5000e-004**	**1.7300e-003**	**1.0000e-005**	**6.3000e-004**	**0.0000**	**6.3000e-004**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.4777**	**0.4777**	**1.0000e-005**	**1.0000e-005**	**0.4819**

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.5177	0.4208	9.3000e-004		0.0214	0.0214		0.0197	0.0197	0.0000	81.8028	81.8028	0.0265	0.0000	82.4642
Total	**0.0498**	**0.5177**	**0.4208**	**9.3000e-004**	**0.1381**	**0.0214**	**0.1594**	**0.0548**	**0.0197**	**0.0745**	**0.0000**	**81.8028**	**81.8028**	**0.0265**	**0.0000**	**82.4642**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.3600e-003	0.0156	5.0000e-005	5.6500e-003	3.0000e-005	5.6700e-003	1.5000e-003	2.0000e-005	1.5200e-003	0.0000	4.2995	4.2995	1.1000e-004	1.2000e-004	4.3373
Total	**1.7900e-003**	**1.3600e-003**	**0.0156**	**5.0000e-005**	**5.6500e-003**	**3.0000e-005**	**5.6700e-003**	**1.5000e-003**	**2.0000e-005**	**1.5200e-003**	**0.0000**	**4.2995**	**4.2995**	**1.1000e-004**	**1.2000e-004**	**4.3373**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0621	0.0000	0.0621	0.0247	0.0000	0.0247	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.5177	0.4208	9.3000e-004		0.0214	0.0214		0.0197	0.0197	0.0000	81.8027	81.8027	0.0265	0.0000	82.4641
Total	**0.0498**	**0.5177**	**0.4208**	**9.3000e-004**	**0.0621**	**0.0214**	**0.0835**	**0.0247**	**0.0197**	**0.0443**	**0.0000**	**81.8027**	**81.8027**	**0.0265**	**0.0000**	**82.4641**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.3600e-003	0.0156	5.0000e-005	5.6500e-003	3.0000e-005	5.6700e-003	1.5000e-003	2.0000e-005	1.5200e-003	0.0000	4.2995	4.2995	1.1000e-004	1.2000e-004	4.3373
Total	**1.7900e-003**	**1.3600e-003**	**0.0156**	**5.0000e-005**	**5.6500e-003**	**3.0000e-005**	**5.6700e-003**	**1.5000e-003**	**2.0000e-005**	**1.5200e-003**	**0.0000**	**4.2995**	**4.2995**	**1.1000e-004**	**1.2000e-004**	**4.3373**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1030	0.9422	1.0640	1.7600e-003		0.0458	0.0458		0.0431	0.0431	0.0000	151.8321	151.8321	0.0361	0.0000	152.7351
Total	**0.1030**	**0.9422**	**1.0640**	**1.7600e-003**		**0.0458**	**0.0458**		**0.0431**	**0.0431**	**0.0000**	**151.8321**	**151.8321**	**0.0361**	**0.0000**	**152.7351**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0120	0.2838	0.1457	1.5200e-003	0.0507	2.6300e-003	0.0533	0.0146	2.5200e-003	0.0172	0.0000	144.5417	144.5417	6.7000e-004	0.0197	150.4414
Worker	0.0855	0.0650	0.7454	2.2400e-003	0.2695	1.2400e-003	0.2708	0.0716	1.1400e-003	0.0727	0.0000	205.2651	205.2651	5.0800e-003	5.6400e-003	207.0718
Total	**0.0975**	**0.3487**	**0.8911**	**3.7600e-003**	**0.3202**	**3.8700e-003**	**0.3241**	**0.0862**	**3.6600e-003**	**0.0899**	**0.0000**	**349.8068**	**349.8068**	**5.7500e-003**	**0.0254**	**357.5132**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1030	0.9422	1.0640	1.7600e-003		0.0458	0.0458		0.0431	0.0431	0.0000	151.8319	151.8319	0.0361	0.0000	152.7349
Total	**0.1030**	**0.9422**	**1.0640**	**1.7600e-003**		**0.0458**	**0.0458**		**0.0431**	**0.0431**	**0.0000**	**151.8319**	**151.8319**	**0.0361**	**0.0000**	**152.7349**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0120	0.2838	0.1457	1.5200e-003	0.0507	2.6300e-003	0.0533	0.0146	2.5200e-003	0.0172	0.0000	144.5417	144.5417	6.7000e-004	0.0197	150.4414
Worker	0.0855	0.0650	0.7454	2.2400e-003	0.2695	1.2400e-003	0.2708	0.0716	1.1400e-003	0.0727	0.0000	205.2651	205.2651	5.0800e-003	5.6400e-003	207.0718
Total	**0.0975**	**0.3487**	**0.8911**	**3.7600e-003**	**0.3202**	**3.8700e-003**	**0.3241**	**0.0862**	**3.6600e-003**	**0.0899**	**0.0000**	**349.8068**	**349.8068**	**5.7500e-003**	**0.0254**	**357.5132**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888
Paving	0.0100					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0204**	**0.1019**	**0.1458**	**2.3000e-004**		**5.1000e-003**	**5.1000e-003**		**4.6900e-003**	**4.6900e-003**	**0.0000**	**20.0269**	**20.0269**	**6.4800e-003**	**0.0000**	**20.1888**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	4.8000e-004	5.5500e-003	2.0000e-005	2.0100e-003	1.0000e-005	2.0200e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.5287	1.5287	4.0000e-005	4.0000e-005	1.5422
Total	**6.4000e-004**	**4.8000e-004**	**5.5500e-003**	**2.0000e-005**	**2.0100e-003**	**1.0000e-005**	**2.0200e-003**	**5.3000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.5287**	**1.5287**	**4.0000e-005**	**4.0000e-005**	**1.5422**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888
Paving	0.0100					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0204**	**0.1019**	**0.1458**	**2.3000e-004**		**5.1000e-003**	**5.1000e-003**		**4.6900e-003**	**4.6900e-003**	**0.0000**	**20.0268**	**20.0268**	**6.4800e-003**	**0.0000**	**20.1888**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	4.8000e-004	5.5500e-003	2.0000e-005	2.0100e-003	1.0000e-005	2.0200e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.5287	1.5287	4.0000e-005	4.0000e-005	1.5422
Total	**6.4000e-004**	**4.8000e-004**	**5.5500e-003**	**2.0000e-005**	**2.0100e-003**	**1.0000e-005**	**2.0200e-003**	**5.3000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.5287**	**1.5287**	**4.0000e-005**	**4.0000e-005**	**1.5422**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9799					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.9818**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	2.0000e-003	0.0229	7.0000e-005	8.2800e-003	4.0000e-005	8.3200e-003	2.2000e-003	4.0000e-005	2.2300e-003	0.0000	6.3059	6.3059	1.6000e-004	1.7000e-004	6.3614
Total	**2.6300e-003**	**2.0000e-003**	**0.0229**	**7.0000e-005**	**8.2800e-003**	**4.0000e-005**	**8.3200e-003**	**2.2000e-003**	**4.0000e-005**	**2.2300e-003**	**0.0000**	**6.3059**	**6.3059**	**1.6000e-004**	**1.7000e-004**	**6.3614**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9799					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.9818**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	2.0000e-003	0.0229	7.0000e-005	8.2800e-003	4.0000e-005	8.3200e-003	2.2000e-003	4.0000e-005	2.2300e-003	0.0000	6.3059	6.3059	1.6000e-004	1.7000e-004	6.3614
Total	**2.6300e-003**	**2.0000e-003**	**0.0229**	**7.0000e-005**	**8.2800e-003**	**4.0000e-005**	**8.3200e-003**	**2.2000e-003**	**4.0000e-005**	**2.2300e-003**	**0.0000**	**6.3059**	**6.3059**	**1.6000e-004**	**1.7000e-004**	**6.3614**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4668	7.4356	7.0869	0.0532	3.6449	0.0966	3.7415	0.9885	0.0921	1.0805	0.0000	5,016.1432	5,016.1432	0.0451	0.5147	5,170.6584
Unmitigated	0.4668	7.4356	7.0869	0.0532	3.6449	0.0966	3.7415	0.9885	0.0921	1.0805	0.0000	5,016.1432	5,016.1432	0.0451	0.5147	5,170.6584

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	253.39	253.39	253.39	3,440,555	3,440,555
Unrefrigerated Warehouse-Rail	1,028.37	1,028.37	1028.37	5,795,521	5,795,521
Total	1,281.76	1,281.76	1,281.76	9,236,075	9,236,075

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
General Heavy Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-Rail	16.60	16.60	16.60	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
General Heavy Industry	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Other Asphalt Surfaces	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Parking Lot	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.290000	0.076100	0.060900	0.573000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-Rail	0.696000	0.074700	0.229300	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	373.4724	373.4724	0.0315	3.8200e-003	375.3991
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	373.4724	373.4724	0.0315	3.8200e-003	375.3991
NaturalGas Mitigated	0.0282	0.2566	0.2155	1.5400e-003		0.0195	0.0195		0.0195	0.0195	0.0000	279.3337	279.3337	5.3500e-003	5.1200e-003	280.9936
NaturalGas Unmitigated	0.0282	0.2566	0.2155	1.5400e-003		0.0195	0.0195		0.0195	0.0195	0.0000	279.3337	279.3337	5.3500e-003	5.1200e-003	280.9936

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	4.6927e+006	0.0253	0.2300	0.1932	1.3800e-003		0.0175	0.0175		0.0175	0.0175	0.0000	250.4203	250.4203	4.8000e-003	4.5900e-003	251.9084
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	270908	1.4600e-003	0.0133	0.0112	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	14.4567	14.4567	2.8000e-004	2.7000e-004	14.5426
Unrefrigerated Warehouse-Rail	270908	1.4600e-003	0.0133	0.0112	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	14.4567	14.4567	2.8000e-004	2.7000e-004	14.5426
Total		**0.0282**	**0.2566**	**0.2156**	**1.5400e-003**		**0.0195**	**0.0195**		**0.0195**	**0.0195**	**0.0000**	**279.3337**	**279.3337**	**5.3600e-003**	**5.1300e-003**	**280.9936**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	4.6927e+006	0.0253	0.2300	0.1932	1.3800e-003		0.0175	0.0175		0.0175	0.0175	0.0000	250.4203	250.4203	4.8000e-003	4.5900e-003	251.9084
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	270908	1.4600e-003	0.0133	0.0112	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	14.4567	14.4567	2.8000e-004	2.7000e-004	14.5426
Unrefrigerated Warehouse-Rail	270908	1.4600e-003	0.0133	0.0112	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	14.4567	14.4567	2.8000e-004	2.7000e-004	14.5426
Total		**0.0282**	**0.2566**	**0.2156**	**1.5400e-003**		**0.0195**	**0.0195**		**0.0195**	**0.0195**	**0.0000**	**279.3337**	**279.3337**	**5.3600e-003**	**5.1300e-003**	**280.9936**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1.43989e+006	255.3577	0.0216	2.6100e-003	256.6751
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	15155	2.6877	2.3000e-004	3.0000e-005	2.7015
Parking Lot	25480	4.5188	3.8000e-004	5.0000e-005	4.5421
Unrefrigerated Warehouse-No Rail	312690	55.4541	4.6800e-003	5.7000e-004	55.7402
Unrefrigerated Warehouse-Rail	312690	55.4541	4.6800e-003	5.7000e-004	55.7402
Total		**373.4724**	**0.0315**	**3.8300e-003**	**375.3991**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1.43989e+006	255.3577	0.0216	2.6100e-003	256.6751
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	15155	2.6877	2.3000e-004	3.0000e-005	2.7015
Parking Lot	25480	4.5188	3.8000e-004	5.0000e-005	4.5421
Unrefrigerated Warehouse-No Rail	312690	55.4541	4.6800e-003	5.7000e-004	55.7402
Unrefrigerated Warehouse-Rail	312690	55.4541	4.6800e-003	5.7000e-004	55.7402
Total		**373.4724**	**0.0315**	**3.8300e-003**	**375.3991**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.7484	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Unmitigated	1.7484	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1055					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6422					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.3000e-004	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Total	**1.7484**	**7.0000e-005**	**7.9000e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0154**	**0.0154**	**4.0000e-005**	**0.0000**	**0.0164**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1055					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6422					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.3000e-004	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Total	**1.7484**	**7.0000e-005**	**7.9000e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0154**	**0.0154**	**4.0000e-005**	**0.0000**	**0.0164**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	206.6710	2.5154	0.0609	287.7016
Unmitigated	257.0476	3.1441	0.0761	358.3292

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.62126	5.1647	4.4000e-004	5.0000e-005	5.1913
General Heavy Industry	33.5659 / 0	88.1599	1.1003	0.0266	123.5995
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	31.1679 / 0	81.8615	1.0217	0.0247	114.7692
Unrefrigerated Warehouse-Rail	31.1679 / 0	81.8615	1.0217	0.0247	114.7692
Total		**257.0476**	**3.1441**	**0.0761**	**358.3292**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.62126	5.1647	4.4000e-004	5.0000e-005	5.1913
General Heavy Industry	26.8528 / 0	70.5280	0.8802	0.0213	98.8796
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	24.9343 / 0	65.4892	0.8173	0.0198	91.8153
Unrefrigerated Warehouse-Rail	24.9343 / 0	65.4892	0.8173	0.0198	91.8153
Total		**206.6710**	**2.5154**	**0.0609**	**287.7016**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	22.0022	1.3003	0.0000	54.5095
Unmitigated	88.0088	5.2012	0.0000	218.0380

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.19	0.0386	2.2800e-003	0.0000	0.0956
General Heavy Industry	179.99	36.5363	2.1592	0.0000	90.5172
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	126.69	25.7169	1.5198	0.0000	63.7126
Unrefrigerated Warehouse-Rail	126.69	25.7169	1.5198	0.0000	63.7126
Total		**88.0088**	**5.2012**	**0.0000**	**218.0380**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.0475	9.6400e-003	5.7000e-004	0.0000	0.0239
General Heavy Industry	44.9975	9.1341	0.5398	0.0000	22.6293
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	31.6725	6.4292	0.3800	0.0000	15.9282
Unrefrigerated Warehouse-Rail	31.6725	6.4292	0.3800	0.0000	15.9282
Total		**22.0022**	**1.3003**	**0.0000**	**54.5095**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
	0	8.00	260			Diesel

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

I-15 Industrial Phase II

Mojave Desert AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	145.15	1000sqft	3.33	145,150.00	0
Unrefrigerated Warehouse-No Rail	134.78	1000sqft	3.09	134,780.00	0
Unrefrigerated Warehouse-Rail	134.78	1000sqft	3.09	134,780.00	0
Other Asphalt Surfaces	219.14	1000sqft	5.03	219,142.00	0
Parking Lot	182.00	Space	1.64	72,800.00	0
Parking Lot	43.30	1000sqft	0.99	43,300.00	0
City Park	2.20	Acre	2.20	95,832.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	30
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on applicant provided informtation. Divided land use area of warehouse into 2 and assigned one to "Rail" so that trucks and passenger vehicles can be modeled in a single run. Other asphalt surface includes repaving of Poplar Road project frontage.

Construction Phase - Building Construction set equal to 6 Months based on project specific schedule.

Off-road Equipment - Default values.

Off-road Equipment - Default values.

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - Default values.

Off-road Equipment - Default values

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Per applicant provided information.

On-road Fugitive Dust - Default values

Grading - Per applicant zero import and export of grading materials.

Architectural Coating - Per applicant Low-VOC 50 g/L coatings to be used as PDF for the project.

Vehicle Trips - Based on Traffic Study. All mobile sources accounted for in Warehouse land uses.

Area Coating - Based on applicant provided information. Low-VOC coatings 50 g/L.

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation -

Area Mitigation - Per applicant provided information Low-VOC coatings will be utlized as part of the project as PDF.

Energy Mitigation -

Water Mitigation -

Waste Mitigation - Based on project PDF

Operational Off-Road Equipment - Offroad operational vehicles are assumed electric as PDF.

Fleet Mix - See addtiioinal calculations sheets for basis.

Stationary Sources - Emergency Generators and Fire Pumps - None identified as part of the project.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	207,355.00	207,353.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	622,065.00	622,058.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblAreaCoating	Area_Nonresidential_Exterior	207355	207353
tblAreaCoating	Area_Nonresidential_Interior	622065	622058
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	250
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	250
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	300.00	131.00
tblFleetMix	HHD	0.02	0.57
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.70
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.23
tblFleetMix	LHD1	0.03	0.29
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.6920e-003	0.08
tblFleetMix	LHD2	7.6920e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4230e-003	0.00
tblFleetMix	MH	5.4230e-003	0.00
tblFleetMix	MHD	6.1550e-003	0.06
tblFleetMix	MHD	6.1550e-003	0.00
tblFleetMix	OBUS	4.8300e-004	0.00
tblFleetMix	OBUS	4.8300e-004	0.00

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	SBUS	9.2800e-004	0.00
tblFleetMix	SBUS	9.2800e-004	0.00
tblFleetMix	UBUS	1.5800e-004	0.00
tblFleetMix	UBUS	1.5800e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripNumber	5.00	10.00
tblTripsAndVMT	WorkerTripNumber	20.00	30.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	CC_TL	6.60	40.00
tblVehicleTrips	CC_TL	6.60	16.60
tblVehicleTrips	CNW_TL	6.60	40.00
tblVehicleTrips	CNW_TL	6.60	16.60
tblVehicleTrips	CW_TL	14.70	40.00
tblVehicleTrips	CW_TL	14.70	16.60
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	ST_TR	1.74	1.88
tblVehicleTrips	ST_TR	1.74	7.63
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	SU_TR	1.74	1.88
tblVehicleTrips	SU_TR	1.74	7.63
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblVehicleTrips	WD_TR	1.74	1.88
tblVehicleTrips	WD_TR	1.74	7.63

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	98.4810	34.5983	32.0294	0.0875	9.5868	1.4262	11.0130	3.7554	1.3121	5.0675	0.0000	8,768.3970	8,768.3970	1.9520	0.4205	8,911.3074
Maximum	**98.4810**	**34.5983**	**32.0294**	**0.0875**	**9.5868**	**1.4262**	**11.0130**	**3.7554**	**1.3121**	**5.0675**	**0.0000**	**8,768.3970**	**8,768.3970**	**1.9520**	**0.4205**	**8,911.3074**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	98.4810	34.5983	32.0294	0.0875	4.9748	1.4262	5.9510	1.7458	1.3121	3.0579	0.0000	8,768.3970	8,768.3970	1.9520	0.4205	8,911.3074
Maximum	**98.4810**	**34.5983**	**32.0294**	**0.0875**	**4.9748**	**1.4262**	**5.9510**	**1.7458**	**1.3121**	**3.0579**	**0.0000**	**8,768.3970**	**8,768.3970**	**1.9520**	**0.4205**	**8,911.3074**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**48.11**	**0.00**	**45.96**	**53.51**	**0.00**	**39.66**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.5846	8.0000e-004	0.0878	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		0.1885	0.1885	4.9000e-004		0.2008
Energy	0.1547	1.4060	1.1810	8.4400e-003		0.1069	0.1069		0.1069	0.1069		1,687.1926	1,687.1926	0.0323	0.0309	1,697.2188
Mobile	3.0137	38.3814	44.0689	0.3018	20.3717	0.5313	20.9029	5.5157	0.5064	6.0221		31,316.9062	31,316.9062	0.2695	3.1015	32,247.8845
Total	**12.7530**	**39.7882**	**45.3378**	**0.3102**	**20.3717**	**0.6384**	**21.0101**	**5.5157**	**0.6136**	**6.1293**		**33,004.2874**	**33,004.2874**	**0.3023**	**3.1324**	**33,945.3041**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.5846	8.0000e-004	0.0878	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		0.1885	0.1885	4.9000e-004		0.2008
Energy	0.1547	1.4060	1.1810	8.4400e-003		0.1069	0.1069		0.1069	0.1069		1,687.1926	1,687.1926	0.0323	0.0309	1,697.2188
Mobile	3.0137	38.3814	44.0689	0.3018	20.3717	0.5313	20.9029	5.5157	0.5064	6.0221		31,316.9062	31,316.9062	0.2695	3.1015	32,247.8845
Total	**12.7530**	**39.7882**	**45.3378**	**0.3102**	**20.3717**	**0.6384**	**21.0101**	**5.5157**	**0.6136**	**6.1293**		**33,004.2874**	**33,004.2874**	**0.3023**	**3.1324**	**33,945.3041**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2023	1/13/2023	5	10	
2	Grading	Grading	1/14/2023	2/24/2023	5	30	
3	Building Construction	Building Construction	2/25/2023	8/28/2023	5	131	
4	Paving	Paving	8/29/2023	9/25/2023	5	20	
5	Architectural Coating	Architectural Coating	9/26/2023	10/23/2023	5	20	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 90

Acres of Paving: 7.66

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 622,058; Non-Residential Outdoor: 207,353; Striped Parking Area: 16,200 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	30.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	328.00	128.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	66.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	0.8360	8.6628	5.3377	0.0117		0.3967	0.3967		0.3650	0.3650		1,128.5772	1,128.5772	0.3650		1,137.7023
Total	**0.8360**	**8.6628**	**5.3377**	**0.0117**	**6.5523**	**0.3967**	**6.9491**	**3.3675**	**0.3650**	**3.7325**		**1,128.5772**	**1,128.5772**	**0.3650**		**1,137.7023**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0461	0.0276	0.4147	1.1400e-003	0.1277	5.8000e-004	0.1283	0.0339	5.3000e-004	0.0344		115.3603	115.3603	2.5900e-003	2.7200e-003	116.2361
Total	**0.0461**	**0.0276**	**0.4147**	**1.1400e-003**	**0.1277**	**5.8000e-004**	**0.1283**	**0.0339**	**5.3000e-004**	**0.0344**		**115.3603**	**115.3603**	**2.5900e-003**	**2.7200e-003**	**116.2361**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	0.8360	8.6628	5.3377	0.0117		0.3967	0.3967		0.3650	0.3650	0.0000	1,128.5772	1,128.5772	0.3650		1,137.7023
Total	**0.8360**	**8.6628**	**5.3377**	**0.0117**	**2.9486**	**0.3967**	**3.3453**	**1.5154**	**0.3650**	**1.8804**	**0.0000**	**1,128.5772**	**1,128.5772**	**0.3650**		**1,137.7023**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0461	0.0276	0.4147	1.1400e-003	0.1277	5.8000e-004	0.1283	0.0339	5.3000e-004	0.0344		115.3603	115.3603	2.5900e-003	2.7200e-003	116.2361
Total	**0.0461**	**0.0276**	**0.4147**	**1.1400e-003**	**0.1277**	**5.8000e-004**	**0.1283**	**0.0339**	**5.3000e-004**	**0.0344**		**115.3603**	**115.3603**	**2.5900e-003**	**2.7200e-003**	**116.2361**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**9.2036**	**1.4245**	**10.6281**	**3.6538**	**1.3105**	**4.9643**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1383	0.0827	1.2441	3.4200e-003	0.3832	1.7300e-003	0.3849	0.1016	1.5900e-003	0.1032		346.0808	346.0808	7.7600e-003	8.1700e-003	348.7083
Total	**0.1383**	**0.0827**	**1.2441**	**3.4200e-003**	**0.3832**	**1.7300e-003**	**0.3849**	**0.1016**	**1.5900e-003**	**0.1032**		**346.0808**	**346.0808**	**7.7600e-003**	**8.1700e-003**	**348.7083**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**4.1416**	**1.4245**	**5.5661**	**1.6442**	**1.3105**	**2.9547**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1383	0.0827	1.2441	3.4200e-003	0.3832	1.7300e-003	0.3849	0.1016	1.5900e-003	0.1032		346.0808	346.0808	7.7600e-003	8.1700e-003	348.7083
Total	**0.1383**	**0.0827**	**1.2441**	**3.4200e-003**	**0.3832**	**1.7300e-003**	**0.3849**	**0.1016**	**1.5900e-003**	**0.1032**		**346.0808**	**346.0808**	**7.7600e-003**	**8.1700e-003**	**348.7083**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1907	4.1059	2.1832	0.0231	0.7853	0.0401	0.8254	0.2262	0.0384	0.2646		2,429.3699	2,429.3699	0.0114	0.3312	2,528.3576
Worker	1.5117	0.9043	13.6022	0.0374	4.1896	0.0189	4.2085	1.1110	0.0174	1.1284		3,783.8172	3,783.8172	0.0848	0.0893	3,812.5438
Total	**1.7024**	**5.0102**	**15.7854**	**0.0606**	**4.9748**	**0.0590**	**5.0339**	**1.3372**	**0.0558**	**1.3930**		**6,213.1871**	**6,213.1871**	**0.0962**	**0.4205**	**6,340.9014**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1907	4.1059	2.1832	0.0231	0.7853	0.0401	0.8254	0.2262	0.0384	0.2646		2,429.3699	2,429.3699	0.0114	0.3312	2,528.3576
Worker	1.5117	0.9043	13.6022	0.0374	4.1896	0.0189	4.2085	1.1110	0.0174	1.1284		3,783.8172	3,783.8172	0.0848	0.0893	3,812.5438
Total	**1.7024**	**5.0102**	**15.7854**	**0.0606**	**4.9748**	**0.0590**	**5.0339**	**1.3372**	**0.0558**	**1.3930**		**6,213.1871**	**6,213.1871**	**0.0962**	**0.4205**	**6,340.9014**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	1.0035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0362**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0441	0.6635	1.8300e-003	0.2044	9.2000e-004	0.2053	0.0542	8.5000e-004	0.0551		184.5765	184.5765	4.1400e-003	4.3600e-003	185.9777
Total	**0.0737**	**0.0441**	**0.6635**	**1.8300e-003**	**0.2044**	**9.2000e-004**	**0.2053**	**0.0542**	**8.5000e-004**	**0.0551**		**184.5765**	**184.5765**	**4.1400e-003**	**4.3600e-003**	**185.9777**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	1.0035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0362**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0441	0.6635	1.8300e-003	0.2044	9.2000e-004	0.2053	0.0542	8.5000e-004	0.0551		184.5765	184.5765	4.1400e-003	4.3600e-003	185.9777
Total	**0.0737**	**0.0441**	**0.6635**	**1.8300e-003**	**0.2044**	**9.2000e-004**	**0.2053**	**0.0542**	**8.5000e-004**	**0.0551**		**184.5765**	**184.5765**	**4.1400e-003**	**4.3600e-003**	**185.9777**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	97.9852					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**98.1768**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3042	0.1820	2.7370	7.5300e-003	0.8430	3.8000e-003	0.8468	0.2236	3.5000e-003	0.2271		761.3779	761.3779	0.0171	0.0180	767.1582
Total	**0.3042**	**0.1820**	**2.7370**	**7.5300e-003**	**0.8430**	**3.8000e-003**	**0.8468**	**0.2236**	**3.5000e-003**	**0.2271**		**761.3779**	**761.3779**	**0.0171**	**0.0180**	**767.1582**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	97.9852					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**98.1768**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3042	0.1820	2.7370	7.5300e-003	0.8430	3.8000e-003	0.8468	0.2236	3.5000e-003	0.2271		761.3779	761.3779	0.0171	0.0180	767.1582
Total	**0.3042**	**0.1820**	**2.7370**	**7.5300e-003**	**0.8430**	**3.8000e-003**	**0.8468**	**0.2236**	**3.5000e-003**	**0.2271**		**761.3779**	**761.3779**	**0.0171**	**0.0180**	**767.1582**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.0137	38.3814	44.0689	0.3018	20.3717	0.5313	20.9029	5.5157	0.5064	6.0221		31,316.9062	31,316.9062	0.2695	3.1015	32,247.8845
Unmitigated	3.0137	38.3814	44.0689	0.3018	20.3717	0.5313	20.9029	5.5157	0.5064	6.0221		31,316.9062	31,316.9062	0.2695	3.1015	32,247.8845

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	253.39	253.39	253.39	3,440,555	3,440,555
Unrefrigerated Warehouse-Rail	1,028.37	1,028.37	1028.37	5,795,521	5,795,521
Total	1,281.76	1,281.76	1,281.76	9,236,075	9,236,075

4.3 Trip Type Information

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
General Heavy Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-Rail	16.60	16.60	16.60	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
General Heavy Industry	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Other Asphalt Surfaces	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Parking Lot	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.290000	0.076100	0.060900	0.573000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-Rail	0.696000	0.074700	0.229300	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1547	1.4060	1.1810	8.4400e-003		0.1069	0.1069		0.1069	0.1069		1,687.1926	1,687.1926	0.0323	0.0309	1,697.2188
NaturalGas Unmitigated	0.1547	1.4060	1.1810	8.4400e-003		0.1069	0.1069		0.1069	0.1069		1,687.1926	1,687.1926	0.0323	0.0309	1,697.2188

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	12856.7	0.1387	1.2605	1.0588	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.5542	1,512.5542	0.0290	0.0277	1,521.5426
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	742.213	8.0000e-003	0.0728	0.0611	4.4000e-004		5.5300e-003	5.5300e-003		5.5300e-003	5.5300e-003		87.3192	87.3192	1.6700e-003	1.6000e-003	87.8381
Unrefrigerated Warehouse-Rail	742.213	8.0000e-003	0.0728	0.0611	4.4000e-004		5.5300e-003	5.5300e-003		5.5300e-003	5.5300e-003		87.3192	87.3192	1.6700e-003	1.6000e-003	87.8381
Total		**0.1547**	**1.4060**	**1.1810**	**8.4400e-003**		**0.1069**	**0.1069**		**0.1069**	**0.1069**		**1,687.1926**	**1,687.1926**	**0.0323**	**0.0309**	**1,697.2188**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	12.8567	0.1387	1.2605	1.0588	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.5542	1,512.5542	0.0290	0.0277	1,521.5426
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.742213	8.0000e-003	0.0728	0.0611	4.4000e-004		5.5300e-003	5.5300e-003		5.5300e-003	5.5300e-003		87.3192	87.3192	1.6700e-003	1.6000e-003	87.8381
Unrefrigerated Warehouse-Rail	0.742213	8.0000e-003	0.0728	0.0611	4.4000e-004		5.5300e-003	5.5300e-003		5.5300e-003	5.5300e-003		87.3192	87.3192	1.6700e-003	1.6000e-003	87.8381
Total		**0.1547**	**1.4060**	**1.1810**	**8.4400e-003**		**0.1069**	**0.1069**		**0.1069**	**0.1069**		**1,687.1926**	**1,687.1926**	**0.0323**	**0.0309**	**1,697.2188**

6.0 Area Detail

6.1 Mitigation Measures Area

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.5846	8.0000e-004	0.0878	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		0.1885	0.1885	4.9000e-004		0.2008
Unmitigated	9.5846	8.0000e-004	0.0878	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		0.1885	0.1885	4.9000e-004		0.2008

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.1100e-003	8.0000e-004	0.0878	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		0.1885	0.1885	4.9000e-004		0.2008
Total	**9.5846**	**8.0000e-004**	**0.0878**	**1.0000e-005**		**3.1000e-004**	**3.1000e-004**		**3.1000e-004**	**3.1000e-004**		**0.1885**	**0.1885**	**4.9000e-004**		**0.2008**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.1100e-003	8.0000e-004	0.0878	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		0.1885	0.1885	4.9000e-004		0.2008
Total	**9.5846**	**8.0000e-004**	**0.0878**	**1.0000e-005**		**3.1000e-004**	**3.1000e-004**		**3.1000e-004**	**3.1000e-004**		**0.1885**	**0.1885**	**4.9000e-004**		**0.2008**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
	0	8.00	260			Diesel

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

I-15 Industrial Phase II

Mojave Desert AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	145.15	1000sqft	3.33	145,150.00	0
Unrefrigerated Warehouse-No Rail	134.78	1000sqft	3.09	134,780.00	0
Unrefrigerated Warehouse-Rail	134.78	1000sqft	3.09	134,780.00	0
Other Asphalt Surfaces	219.14	1000sqft	5.03	219,142.00	0
Parking Lot	182.00	Space	1.64	72,800.00	0
Parking Lot	43.30	1000sqft	0.99	43,300.00	0
City Park	2.20	Acre	2.20	95,832.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	30
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on applicant provided informtation. Divided land use area of warehouse into 2 and assigned one to "Rail" so that trucks and passenger vehicles can be modeled in a single run. Other asphalt surface includes repaving of Poplar Road project frontage.

Construction Phase - Building Construction set equal to 6 Months based on project specific schedule.

Off-road Equipment - Default values.

Off-road Equipment - Default values.

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - Default values.

Off-road Equipment - Default values

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Per applicant provided information.

On-road Fugitive Dust - Default values

Grading - Per applicant zero import and export of grading materials.

Architectural Coating - Per applicant Low-VOC 50 g/L coatings to be used as PDF for the project.

Vehicle Trips - Based on Traffic Study. All mobile sources accounted for in Warehouse land uses.

Area Coating - Based on applicant provided information. Low-VOC coatings 50 g/L.

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation -

Area Mitigation - Per applicant provided information Low-VOC coatings will be utlized as part of the project as PDF.

Energy Mitigation -

Water Mitigation -

Waste Mitigation - Based on project PDF

Operational Off-Road Equipment - Offroad operational vehicles are assumed electric as PDF.

Fleet Mix - See addtiioinal calculations sheets for basis.

Stationary Sources - Emergency Generators and Fire Pumps - None identified as part of the project.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	207,355.00	207,353.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	622,065.00	622,058.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblAreaCoating	Area_Nonresidential_Exterior	207355	207353
tblAreaCoating	Area_Nonresidential_Interior	622065	622058
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	250
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	250
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	300.00	131.00
tblFleetMix	HHD	0.02	0.57
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.70
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.23
tblFleetMix	LHD1	0.03	0.29
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.6920e-003	0.08
tblFleetMix	LHD2	7.6920e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4230e-003	0.00
tblFleetMix	MH	5.4230e-003	0.00
tblFleetMix	MHD	6.1550e-003	0.06
tblFleetMix	MHD	6.1550e-003	0.00
tblFleetMix	OBUS	4.8300e-004	0.00
tblFleetMix	OBUS	4.8300e-004	0.00

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	SBUS	9.2800e-004	0.00
tblFleetMix	SBUS	9.2800e-004	0.00
tblFleetMix	UBUS	1.5800e-004	0.00
tblFleetMix	UBUS	1.5800e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripNumber	5.00	10.00
tblTripsAndVMT	WorkerTripNumber	20.00	30.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	CC_TL	6.60	40.00
tblVehicleTrips	CC_TL	6.60	16.60
tblVehicleTrips	CNW_TL	6.60	40.00
tblVehicleTrips	CNW_TL	6.60	16.60
tblVehicleTrips	CW_TL	14.70	40.00
tblVehicleTrips	CW_TL	14.70	16.60
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	ST_TR	1.74	1.88
tblVehicleTrips	ST_TR	1.74	7.63
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	SU_TR	1.74	1.88
tblVehicleTrips	SU_TR	1.74	7.63
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblVehicleTrips	WD_TR	1.74	1.88
tblVehicleTrips	WD_TR	1.74	7.63

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	98.4623	34.6005	29.1012	0.0834	9.5868	1.4262	11.0130	3.7554	1.3121	5.0675	0.0000	8,351.2237	8,351.2237	1.9519	0.4234	8,494.9437
Maximum	**98.4623**	**34.6005**	**29.1012**	**0.0834**	**9.5868**	**1.4262**	**11.0130**	**3.7554**	**1.3121**	**5.0675**	**0.0000**	**8,351.2237**	**8,351.2237**	**1.9519**	**0.4234**	**8,494.9437**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	98.4623	34.6005	29.1012	0.0834	4.9748	1.4262	5.9510	1.7458	1.3121	3.0579	0.0000	8,351.2237	8,351.2237	1.9519	0.4234	8,494.9437
Maximum	**98.4623**	**34.6005**	**29.1012**	**0.0834**	**4.9748**	**1.4262**	**5.9510**	**1.7458**	**1.3121**	**3.0579**	**0.0000**	**8,351.2237**	**8,351.2237**	**1.9519**	**0.4234**	**8,494.9437**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**48.11**	**0.00**	**45.96**	**53.51**	**0.00**	**39.66**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.5846	8.0000e-004	0.0878	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		0.1885	0.1885	4.9000e-004		0.2008
Energy	0.1547	1.4060	1.1810	8.4400e-003		0.1069	0.1069		0.1069	0.1069		1,687.1926	1,687.1926	0.0323	0.0309	1,697.2188
Mobile	2.5652	40.3953	37.1924	0.2904	20.3717	0.5315	20.9032	5.5157	0.5066	6.0224		30,164.7925	30,164.7925	0.2676	3.1113	31,098.6587
Total	**12.3045**	**41.8021**	**38.4613**	**0.2988**	**20.3717**	**0.6387**	**21.0104**	**5.5157**	**0.6138**	**6.1295**		**31,852.1736**	**31,852.1736**	**0.3004**	**3.1423**	**32,796.0783**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.5846	8.0000e-004	0.0878	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		0.1885	0.1885	4.9000e-004		0.2008
Energy	0.1547	1.4060	1.1810	8.4400e-003		0.1069	0.1069		0.1069	0.1069		1,687.1926	1,687.1926	0.0323	0.0309	1,697.2188
Mobile	2.5652	40.3953	37.1924	0.2904	20.3717	0.5315	20.9032	5.5157	0.5066	6.0224		30,164.7925	30,164.7925	0.2676	3.1113	31,098.6587
Total	**12.3045**	**41.8021**	**38.4613**	**0.2988**	**20.3717**	**0.6387**	**21.0104**	**5.5157**	**0.6138**	**6.1295**		**31,852.1736**	**31,852.1736**	**0.3004**	**3.1423**	**32,796.0783**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2023	1/13/2023	5	10	
2	Grading	Grading	1/14/2023	2/24/2023	5	30	
3	Building Construction	Building Construction	2/25/2023	8/28/2023	5	131	
4	Paving	Paving	8/29/2023	9/25/2023	5	20	
5	Architectural Coating	Architectural Coating	9/26/2023	10/23/2023	5	20	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 90

Acres of Paving: 7.66

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 622,058; Non-Residential Outdoor: 207,353; Striped Parking Area: 16,200 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	30.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	328.00	128.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	66.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	0.8360	8.6628	5.3377	0.0117		0.3967	0.3967		0.3650	0.3650		1,128.5772	1,128.5772	0.3650		1,137.7023
Total	**0.8360**	**8.6628**	**5.3377**	**0.0117**	**6.5523**	**0.3967**	**6.9491**	**3.3675**	**0.3650**	**3.7325**		**1,128.5772**	**1,128.5772**	**0.3650**		**1,137.7023**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0433	0.0283	0.3231	1.0100e-003	0.1277	5.8000e-004	0.1283	0.0339	5.3000e-004	0.0344		102.4141	102.4141	2.5400e-003	2.7600e-003	103.3007
Total	**0.0433**	**0.0283**	**0.3231**	**1.0100e-003**	**0.1277**	**5.8000e-004**	**0.1283**	**0.0339**	**5.3000e-004**	**0.0344**		**102.4141**	**102.4141**	**2.5400e-003**	**2.7600e-003**	**103.3007**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	0.8360	8.6628	5.3377	0.0117		0.3967	0.3967		0.3650	0.3650	0.0000	1,128.5772	1,128.5772	0.3650		1,137.7023
Total	**0.8360**	**8.6628**	**5.3377**	**0.0117**	**2.9486**	**0.3967**	**3.3453**	**1.5154**	**0.3650**	**1.8804**	**0.0000**	**1,128.5772**	**1,128.5772**	**0.3650**		**1,137.7023**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0433	0.0283	0.3231	1.0100e-003	0.1277	5.8000e-004	0.1283	0.0339	5.3000e-004	0.0344		102.4141	102.4141	2.5400e-003	2.7600e-003	103.3007
Total	**0.0433**	**0.0283**	**0.3231**	**1.0100e-003**	**0.1277**	**5.8000e-004**	**0.1283**	**0.0339**	**5.3000e-004**	**0.0344**		**102.4141**	**102.4141**	**2.5400e-003**	**2.7600e-003**	**103.3007**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**9.2036**	**1.4245**	**10.6281**	**3.6538**	**1.3105**	**4.9643**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1298	0.0849	0.9691	3.0400e-003	0.3832	1.7300e-003	0.3849	0.1016	1.5900e-003	0.1032		307.2422	307.2422	7.6200e-003	8.2900e-003	309.9021
Total	**0.1298**	**0.0849**	**0.9691**	**3.0400e-003**	**0.3832**	**1.7300e-003**	**0.3849**	**0.1016**	**1.5900e-003**	**0.1032**		**307.2422**	**307.2422**	**7.6200e-003**	**8.2900e-003**	**309.9021**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**4.1416**	**1.4245**	**5.5661**	**1.6442**	**1.3105**	**2.9547**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1298	0.0849	0.9691	3.0400e-003	0.3832	1.7300e-003	0.3849	0.1016	1.5900e-003	0.1032		307.2422	307.2422	7.6200e-003	8.2900e-003	309.9021
Total	**0.1298**	**0.0849**	**0.9691**	**3.0400e-003**	**0.3832**	**1.7300e-003**	**0.3849**	**0.1016**	**1.5900e-003**	**0.1032**		**307.2422**	**307.2422**	**7.6200e-003**	**8.2900e-003**	**309.9021**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1777	4.3734	2.2614	0.0232	0.7853	0.0403	0.8255	0.2262	0.0385	0.2647		2,436.8327	2,436.8327	0.0108	0.3328	2,536.2747
Worker	1.4186	0.9286	10.5959	0.0332	4.1896	0.0189	4.2085	1.1110	0.0174	1.1284		3,359.1811	3,359.1811	0.0833	0.0906	3,388.2629
Total	**1.5962**	**5.3019**	**12.8572**	**0.0564**	**4.9748**	**0.0592**	**5.0340**	**1.3372**	**0.0559**	**1.3931**		**5,796.0138**	**5,796.0138**	**0.0941**	**0.4234**	**5,924.5376**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1777	4.3734	2.2614	0.0232	0.7853	0.0403	0.8255	0.2262	0.0385	0.2647		2,436.8327	2,436.8327	0.0108	0.3328	2,536.2747
Worker	1.4186	0.9286	10.5959	0.0332	4.1896	0.0189	4.2085	1.1110	0.0174	1.1284		3,359.1811	3,359.1811	0.0833	0.0906	3,388.2629
Total	**1.5962**	**5.3019**	**12.8572**	**0.0564**	**4.9748**	**0.0592**	**5.0340**	**1.3372**	**0.0559**	**1.3931**		**5,796.0138**	**5,796.0138**	**0.0941**	**0.4234**	**5,924.5376**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	1.0035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0362**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0692	0.0453	0.5169	1.6200e-003	0.2044	9.2000e-004	0.2053	0.0542	8.5000e-004	0.0551		163.8625	163.8625	4.0600e-003	4.4200e-003	165.2811
Total	**0.0692**	**0.0453**	**0.5169**	**1.6200e-003**	**0.2044**	**9.2000e-004**	**0.2053**	**0.0542**	**8.5000e-004**	**0.0551**		**163.8625**	**163.8625**	**4.0600e-003**	**4.4200e-003**	**165.2811**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	1.0035					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0362**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0692	0.0453	0.5169	1.6200e-003	0.2044	9.2000e-004	0.2053	0.0542	8.5000e-004	0.0551		163.8625	163.8625	4.0600e-003	4.4200e-003	165.2811
Total	**0.0692**	**0.0453**	**0.5169**	**1.6200e-003**	**0.2044**	**9.2000e-004**	**0.2053**	**0.0542**	**8.5000e-004**	**0.0551**		**163.8625**	**163.8625**	**4.0600e-003**	**4.4200e-003**	**165.2811**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	97.9852					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**98.1768**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2854	0.1868	2.1321	6.6900e-003	0.8430	3.8000e-003	0.8468	0.2236	3.5000e-003	0.2271		675.9328	675.9328	0.0168	0.0182	681.7846
Total	**0.2854**	**0.1868**	**2.1321**	**6.6900e-003**	**0.8430**	**3.8000e-003**	**0.8468**	**0.2236**	**3.5000e-003**	**0.2271**		**675.9328**	**675.9328**	**0.0168**	**0.0182**	**681.7846**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	97.9852					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**98.1768**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2854	0.1868	2.1321	6.6900e-003	0.8430	3.8000e-003	0.8468	0.2236	3.5000e-003	0.2271		675.9328	675.9328	0.0168	0.0182	681.7846
Total	**0.2854**	**0.1868**	**2.1321**	**6.6900e-003**	**0.8430**	**3.8000e-003**	**0.8468**	**0.2236**	**3.5000e-003**	**0.2271**		**675.9328**	**675.9328**	**0.0168**	**0.0182**	**681.7846**

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5652	40.3953	37.1924	0.2904	20.3717	0.5315	20.9032	5.5157	0.5066	6.0224		30,164.7925	30,164.7925	0.2676	3.1113	31,098.6587
Unmitigated	2.5652	40.3953	37.1924	0.2904	20.3717	0.5315	20.9032	5.5157	0.5066	6.0224		30,164.7925	30,164.7925	0.2676	3.1113	31,098.6587

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	253.39	253.39	253.39	3,440,555	3,440,555
Unrefrigerated Warehouse-Rail	1,028.37	1,028.37	1028.37	5,795,521	5,795,521
Total	1,281.76	1,281.76	1,281.76	9,236,075	9,236,075

4.3 Trip Type Information

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
General Heavy Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-Rail	16.60	16.60	16.60	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
General Heavy Industry	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Other Asphalt Surfaces	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Parking Lot	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.290000	0.076100	0.060900	0.573000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-Rail	0.696000	0.074700	0.229300	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1547	1.4060	1.1810	8.4400e-003		0.1069	0.1069		0.1069	0.1069		1,687.1926	1,687.1926	0.0323	0.0309	1,697.2188
NaturalGas Unmitigated	0.1547	1.4060	1.1810	8.4400e-003		0.1069	0.1069		0.1069	0.1069		1,687.1926	1,687.1926	0.0323	0.0309	1,697.2188

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	12856.7	0.1387	1.2605	1.0588	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.5542	1,512.5542	0.0290	0.0277	1,521.5426
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	742.213	8.0000e-003	0.0728	0.0611	4.4000e-004		5.5300e-003	5.5300e-003		5.5300e-003	5.5300e-003		87.3192	87.3192	1.6700e-003	1.6000e-003	87.8381
Unrefrigerated Warehouse-Rail	742.213	8.0000e-003	0.0728	0.0611	4.4000e-004		5.5300e-003	5.5300e-003		5.5300e-003	5.5300e-003		87.3192	87.3192	1.6700e-003	1.6000e-003	87.8381
Total		**0.1547**	**1.4060**	**1.1810**	**8.4400e-003**		**0.1069**	**0.1069**		**0.1069**	**0.1069**		**1,687.1926**	**1,687.1926**	**0.0323**	**0.0309**	**1,697.2188**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	12.8567	0.1387	1.2605	1.0588	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.5542	1,512.5542	0.0290	0.0277	1,521.5426
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.742213	8.0000e-003	0.0728	0.0611	4.4000e-004		5.5300e-003	5.5300e-003		5.5300e-003	5.5300e-003		87.3192	87.3192	1.6700e-003	1.6000e-003	87.8381
Unrefrigerated Warehouse-Rail	0.742213	8.0000e-003	0.0728	0.0611	4.4000e-004		5.5300e-003	5.5300e-003		5.5300e-003	5.5300e-003		87.3192	87.3192	1.6700e-003	1.6000e-003	87.8381
Total		**0.1547**	**1.4060**	**1.1810**	**8.4400e-003**		**0.1069**	**0.1069**		**0.1069**	**0.1069**		**1,687.1926**	**1,687.1926**	**0.0323**	**0.0309**	**1,697.2188**

6.0 Area Detail

6.1 Mitigation Measures Area

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.5846	8.0000e-004	0.0878	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		0.1885	0.1885	4.9000e-004		0.2008
Unmitigated	9.5846	8.0000e-004	0.0878	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		0.1885	0.1885	4.9000e-004		0.2008

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.1100e-003	8.0000e-004	0.0878	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		0.1885	0.1885	4.9000e-004		0.2008
Total	**9.5846**	**8.0000e-004**	**0.0878**	**1.0000e-005**		**3.1000e-004**	**3.1000e-004**		**3.1000e-004**	**3.1000e-004**		**0.1885**	**0.1885**	**4.9000e-004**		**0.2008**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.1100e-003	8.0000e-004	0.0878	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		0.1885	0.1885	4.9000e-004		0.2008
Total	**9.5846**	**8.0000e-004**	**0.0878**	**1.0000e-005**		**3.1000e-004**	**3.1000e-004**		**3.1000e-004**	**3.1000e-004**		**0.1885**	**0.1885**	**4.9000e-004**		**0.2008**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
	0	8.00	260			Diesel

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Annual GHG Emissions - NonPavley

I-15 Industrial Phase II GHG Non Pavley No RPS Annual Op GHG Run Only - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

I-15 Industrial Phase II GHG Non Pavley No RPS Annual Op GHG Run Only

Mojave Desert AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	145.15	1000sqft	3.33	145,150.00	0
Unrefrigerated Warehouse-No Rail	134.78	1000sqft	3.09	134,780.00	0
Unrefrigerated Warehouse-Rail	134.78	1000sqft	3.09	134,780.00	0
Other Asphalt Surfaces	219.14	1000sqft	5.03	219,142.00	0
Parking Lot	182.00	Space	1.64	72,800.00	0
Parking Lot	43.30	1000sqft	0.99	43,300.00	0
City Park	2.20	Acre	2.20	95,832.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	30
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	742	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Non RPS analysis assumes 2009 CO2 Intensity Factor.

Land Use - Based on applicant provided informtation. Divided land use area of warehouse into 2 and assigned one to "Rail" so that trucks and passenger vehicles can be modeled in a single run. Includes repaving of Poplar Rd. frontage to the project.

Construction Phase - Building Construction set equal to 6 Months based on project specific schedule.

Off-road Equipment - Default values.

Off-road Equipment - Default values.

I-15 Industrial Phase II GHG Non Pavley No RPS Annual Op GHG Run Only - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - Default values.

Off-road Equipment - Default values

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Per applicant provided information.

On-road Fugitive Dust - Default values

Grading - Per applicant zero import and export of grading materials.

Architectural Coating - Per applicant Low-VOC 50 g/L coatings to be used as PDF for the project.

Vehicle Trips - Based on Traffic Study. All mobile sources accounted for in Warehouse land uses.

Vehicle Emission Factors - For GHG without regulatory requirements LDA, LDT1, LDT2, and MDV CO2_NBIO_RUNEX and _STREX set to non Pavley values per CalEEmod Appendix D Table 4.4.

Area Coating - Based on applicant provided information. Low-VOC coatings 50 g/L.

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation -

Area Mitigation - Per applicant provided information Low-VOC coatings will be utlized as part of the project as PDF.

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Operational Off-Road Equipment - Offroad operational vehicles are assumed electric as PDF.

Fleet Mix - See addtiioinal calculations sheets for basis.

Stationary Sources - Emergency Generators and Fire Pumps - None identified as part of the project.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	207,355.00	207,353.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	622,065.00	622,058.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00

I-15 Industrial Phase II GHG Non Pavley No RPS Annual Op GHG Run Only - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_Nonresidential_Exterior	207355	207353
tblAreaCoating	Area_Nonresidential_Interior	622065	622058
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	250
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	250
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	300.00	131.00
tblFleetMix	HHD	0.02	0.57
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.70
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.23
tblFleetMix	LHD1	0.03	0.29
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.6920e-003	0.08
tblFleetMix	LHD2	7.6920e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4230e-003	0.00
tblFleetMix	MH	5.4230e-003	0.00
tblFleetMix	MHD	6.1550e-003	0.06
tblFleetMix	MHD	6.1550e-003	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	OBUS	4.8300e-004	0.00
tblFleetMix	OBUS	4.8300e-004	0.00
tblFleetMix	SBUS	9.2800e-004	0.00
tblFleetMix	SBUS	9.2800e-004	0.00
tblFleetMix	UBUS	1.5800e-004	0.00
tblFleetMix	UBUS	1.5800e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	742
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripNumber	5.00	10.00
tblTripsAndVMT	WorkerTripNumber	20.00	30.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleEF	LDA	242.70	334.33
tblVehicleEF	LDA	50.68	73.93
tblVehicleEF	LDT1	288.95	386.89
tblVehicleEF	LDT1	61.96	85.44
tblVehicleEF	LDT2	305.15	454.20
tblVehicleEF	LDT2	65.85	100.85
tblVehicleEF	MDV	384.89	580.31
tblVehicleEF	MDV	81.46	128.27
tblVehicleTrips	CC_TL	6.60	40.00
tblVehicleTrips	CC_TL	6.60	16.60
tblVehicleTrips	CNW_TL	6.60	40.00
tblVehicleTrips	CNW_TL	6.60	16.60
tblVehicleTrips	CW_TL	14.70	40.00
tblVehicleTrips	CW_TL	14.70	16.60
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	ST_TR	1.74	1.88
tblVehicleTrips	ST_TR	1.74	7.63
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	SU_TR	1.74	1.88
tblVehicleTrips	SU_TR	1.74	7.63
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblVehicleTrips	WD_TR	1.74	1.88
tblVehicleTrips	WD_TR	1.74	7.63

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	1.2619	1.9709	2.6123	6.9000e-003	0.5076	0.0789	0.5865	0.1622	0.0737	0.2360	0.0000	623.7527	623.7527	0.0769	0.0257	633.3416
Maximum	**1.2619**	**1.9709**	**2.6123**	**6.9000e-003**	**0.5076**	**0.0789**	**0.5865**	**0.1622**	**0.0737**	**0.2360**	**0.0000**	**623.7527**	**623.7527**	**0.0769**	**0.0257**	**633.3416**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	1.2619	1.9709	2.6123	6.9000e-003	0.4136	0.0789	0.4926	0.1228	0.0737	0.1966	0.0000	623.7524	623.7524	0.0769	0.0257	633.3413
Maximum	**1.2619**	**1.9709**	**2.6123**	**6.9000e-003**	**0.4136**	**0.0789**	**0.4926**	**0.1228**	**0.0737**	**0.1966**	**0.0000**	**623.7524**	**623.7524**	**0.0769**	**0.0257**	**633.3413**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**18.51**	**0.00**	**16.02**	**24.29**	**0.00**	**16.70**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
2	10-4-2022	1-3-2023	0.0103	0.0103
3	1-4-2023	4-3-2023	0.9149	0.9149
4	4-4-2023	7-3-2023	0.7368	0.7368
5	7-4-2023	9-30-2023	0.7554	0.7554
		Highest	0.9149	0.9149

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.7484	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Energy	0.0282	0.2566	0.2155	1.5400e-003		0.0195	0.0195		0.0195	0.0195	0.0000	988.1078	988.1078	0.0369	8.9400e-003	991.6944
Mobile	0.4668	7.4356	7.0869	0.0532	3.6449	0.0966	3.7415	0.9885	0.0921	1.0805	0.0000	5,635.2017	5,635.2017	0.0451	0.5147	5,789.7169
Waste						0.0000	0.0000		0.0000	0.0000	88.0088	0.0000	88.0088	5.2012	0.0000	218.0380
Water						0.0000	0.0000		0.0000	0.0000	30.4252	430.0830	460.5082	3.1441	0.0761	561.7898
Total	**2.2435**	**7.6922**	**7.3103**	**0.0548**	**3.6449**	**0.1161**	**3.7610**	**0.9885**	**0.1116**	**1.1001**	**118.4339**	**7,053.4079**	**7,171.8418**	**8.4273**	**0.5998**	**7,561.2555**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.7484	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Energy	0.0282	0.2566	0.2155	1.5400e-003		0.0195	0.0195		0.0195	0.0195	0.0000	988.1078	988.1078	0.0369	8.9400e-003	991.6944
Mobile	0.4668	7.4356	7.0869	0.0532	3.6449	0.0966	3.7415	0.9885	0.0921	1.0805	0.0000	5,635.2017	5,635.2017	0.0451	0.5147	5,789.7169
Waste						0.0000	0.0000		0.0000	0.0000	88.0088	0.0000	88.0088	5.2012	0.0000	218.0380
Water						0.0000	0.0000		0.0000	0.0000	30.4252	430.0830	460.5082	3.1441	0.0761	561.7898
Total	**2.2435**	**7.6922**	**7.3103**	**0.0548**	**3.6449**	**0.1161**	**3.7610**	**0.9885**	**0.1116**	**1.1001**	**118.4339**	**7,053.4079**	**7,171.8418**	**8.4273**	**0.5998**	**7,561.2555**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2023	1/13/2023	5	10	
2	Grading	Grading	1/14/2023	2/24/2023	5	30	
3	Building Construction	Building Construction	2/25/2023	8/28/2023	5	131	

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4	Paving	Paving	8/29/2023	9/25/2023	5	20	
5	Architectural Coating	Architectural Coating	9/26/2023	10/23/2023	5	20	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 90

Acres of Paving: 7.66

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 622,058; Non-Residential Outdoor: 207,353; Striped Parking Area: 16,200 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	30.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	328.00	128.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	66.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0328	0.0000	0.0328	0.0168	0.0000	0.0168	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1800e-003	0.0433	0.0267	6.0000e-005		1.9800e-003	1.9800e-003		1.8200e-003	1.8200e-003	0.0000	5.1191	5.1191	1.6600e-003	0.0000	5.1605
Total	**4.1800e-003**	**0.0433**	**0.0267**	**6.0000e-005**	**0.0328**	**1.9800e-003**	**0.0347**	**0.0168**	**1.8200e-003**	**0.0187**	**0.0000**	**5.1191**	**5.1191**	**1.6600e-003**	**0.0000**	**5.1605**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7300e-003	1.0000e-005	6.3000e-004	0.0000	6.3000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4777	0.4777	1.0000e-005	1.0000e-005	0.4819
Total	**2.0000e-004**	**1.5000e-004**	**1.7300e-003**	**1.0000e-005**	**6.3000e-004**	**0.0000**	**6.3000e-004**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.4777**	**0.4777**	**1.0000e-005**	**1.0000e-005**	**0.4819**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0147	0.0000	0.0147	7.5800e-003	0.0000	7.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1800e-003	0.0433	0.0267	6.0000e-005		1.9800e-003	1.9800e-003		1.8200e-003	1.8200e-003	0.0000	5.1191	5.1191	1.6600e-003	0.0000	5.1605
Total	**4.1800e-003**	**0.0433**	**0.0267**	**6.0000e-005**	**0.0147**	**1.9800e-003**	**0.0167**	**7.5800e-003**	**1.8200e-003**	**9.4000e-003**	**0.0000**	**5.1191**	**5.1191**	**1.6600e-003**	**0.0000**	**5.1605**

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3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7300e-003	1.0000e-005	6.3000e-004	0.0000	6.3000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4777	0.4777	1.0000e-005	1.0000e-005	0.4819
Total	**2.0000e-004**	**1.5000e-004**	**1.7300e-003**	**1.0000e-005**	**6.3000e-004**	**0.0000**	**6.3000e-004**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.4777**	**0.4777**	**1.0000e-005**	**1.0000e-005**	**0.4819**

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.5177	0.4208	9.3000e-004		0.0214	0.0214		0.0197	0.0197	0.0000	81.8028	81.8028	0.0265	0.0000	82.4642
Total	**0.0498**	**0.5177**	**0.4208**	**9.3000e-004**	**0.1381**	**0.0214**	**0.1594**	**0.0548**	**0.0197**	**0.0745**	**0.0000**	**81.8028**	**81.8028**	**0.0265**	**0.0000**	**82.4642**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.3600e-003	0.0156	5.0000e-005	5.6500e-003	3.0000e-005	5.6700e-003	1.5000e-003	2.0000e-005	1.5200e-003	0.0000	4.2995	4.2995	1.1000e-004	1.2000e-004	4.3373
Total	**1.7900e-003**	**1.3600e-003**	**0.0156**	**5.0000e-005**	**5.6500e-003**	**3.0000e-005**	**5.6700e-003**	**1.5000e-003**	**2.0000e-005**	**1.5200e-003**	**0.0000**	**4.2995**	**4.2995**	**1.1000e-004**	**1.2000e-004**	**4.3373**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0621	0.0000	0.0621	0.0247	0.0000	0.0247	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.5177	0.4208	9.3000e-004		0.0214	0.0214		0.0197	0.0197	0.0000	81.8027	81.8027	0.0265	0.0000	82.4641
Total	**0.0498**	**0.5177**	**0.4208**	**9.3000e-004**	**0.0621**	**0.0214**	**0.0835**	**0.0247**	**0.0197**	**0.0443**	**0.0000**	**81.8027**	**81.8027**	**0.0265**	**0.0000**	**82.4641**

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3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.3600e-003	0.0156	5.0000e-005	5.6500e-003	3.0000e-005	5.6700e-003	1.5000e-003	2.0000e-005	1.5200e-003	0.0000	4.2995	4.2995	1.1000e-004	1.2000e-004	4.3373
Total	**1.7900e-003**	**1.3600e-003**	**0.0156**	**5.0000e-005**	**5.6500e-003**	**3.0000e-005**	**5.6700e-003**	**1.5000e-003**	**2.0000e-005**	**1.5200e-003**	**0.0000**	**4.2995**	**4.2995**	**1.1000e-004**	**1.2000e-004**	**4.3373**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1030	0.9422	1.0640	1.7600e-003		0.0458	0.0458		0.0431	0.0431	0.0000	151.8321	151.8321	0.0361	0.0000	152.7351
Total	**0.1030**	**0.9422**	**1.0640**	**1.7600e-003**		**0.0458**	**0.0458**		**0.0431**	**0.0431**	**0.0000**	**151.8321**	**151.8321**	**0.0361**	**0.0000**	**152.7351**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0120	0.2838	0.1457	1.5200e-003	0.0507	2.6300e-003	0.0533	0.0146	2.5200e-003	0.0172	0.0000	144.5417	144.5417	6.7000e-004	0.0197	150.4414
Worker	0.0855	0.0650	0.7454	2.2400e-003	0.2695	1.2400e-003	0.2708	0.0716	1.1400e-003	0.0727	0.0000	205.2651	205.2651	5.0800e-003	5.6400e-003	207.0718
Total	**0.0975**	**0.3487**	**0.8911**	**3.7600e-003**	**0.3202**	**3.8700e-003**	**0.3241**	**0.0862**	**3.6600e-003**	**0.0899**	**0.0000**	**349.8068**	**349.8068**	**5.7500e-003**	**0.0254**	**357.5132**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1030	0.9422	1.0640	1.7600e-003		0.0458	0.0458		0.0431	0.0431	0.0000	151.8319	151.8319	0.0361	0.0000	152.7349
Total	**0.1030**	**0.9422**	**1.0640**	**1.7600e-003**		**0.0458**	**0.0458**		**0.0431**	**0.0431**	**0.0000**	**151.8319**	**151.8319**	**0.0361**	**0.0000**	**152.7349**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0120	0.2838	0.1457	1.5200e-003	0.0507	2.6300e-003	0.0533	0.0146	2.5200e-003	0.0172	0.0000	144.5417	144.5417	6.7000e-004	0.0197	150.4414
Worker	0.0855	0.0650	0.7454	2.2400e-003	0.2695	1.2400e-003	0.2708	0.0716	1.1400e-003	0.0727	0.0000	205.2651	205.2651	5.0800e-003	5.6400e-003	207.0718
Total	**0.0975**	**0.3487**	**0.8911**	**3.7600e-003**	**0.3202**	**3.8700e-003**	**0.3241**	**0.0862**	**3.6600e-003**	**0.0899**	**0.0000**	**349.8068**	**349.8068**	**5.7500e-003**	**0.0254**	**357.5132**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888
Paving	0.0100					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0204**	**0.1019**	**0.1458**	**2.3000e-004**		**5.1000e-003**	**5.1000e-003**		**4.6900e-003**	**4.6900e-003**	**0.0000**	**20.0269**	**20.0269**	**6.4800e-003**	**0.0000**	**20.1888**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	4.8000e-004	5.5500e-003	2.0000e-005	2.0100e-003	1.0000e-005	2.0200e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.5287	1.5287	4.0000e-005	4.0000e-005	1.5422
Total	**6.4000e-004**	**4.8000e-004**	**5.5500e-003**	**2.0000e-005**	**2.0100e-003**	**1.0000e-005**	**2.0200e-003**	**5.3000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.5287**	**1.5287**	**4.0000e-005**	**4.0000e-005**	**1.5422**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888
Paving	0.0100					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0204**	**0.1019**	**0.1458**	**2.3000e-004**		**5.1000e-003**	**5.1000e-003**		**4.6900e-003**	**4.6900e-003**	**0.0000**	**20.0268**	**20.0268**	**6.4800e-003**	**0.0000**	**20.1888**

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	4.8000e-004	5.5500e-003	2.0000e-005	2.0100e-003	1.0000e-005	2.0200e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.5287	1.5287	4.0000e-005	4.0000e-005	1.5422
Total	**6.4000e-004**	**4.8000e-004**	**5.5500e-003**	**2.0000e-005**	**2.0100e-003**	**1.0000e-005**	**2.0200e-003**	**5.3000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.5287**	**1.5287**	**4.0000e-005**	**4.0000e-005**	**1.5422**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9799					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.9818**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	2.0000e-003	0.0229	7.0000e-005	8.2800e-003	4.0000e-005	8.3200e-003	2.2000e-003	4.0000e-005	2.2300e-003	0.0000	6.3059	6.3059	1.6000e-004	1.7000e-004	6.3614
Total	**2.6300e-003**	**2.0000e-003**	**0.0229**	**7.0000e-005**	**8.2800e-003**	**4.0000e-005**	**8.3200e-003**	**2.2000e-003**	**4.0000e-005**	**2.2300e-003**	**0.0000**	**6.3059**	**6.3059**	**1.6000e-004**	**1.7000e-004**	**6.3614**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9799					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.9818**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	2.0000e-003	0.0229	7.0000e-005	8.2800e-003	4.0000e-005	8.3200e-003	2.2000e-003	4.0000e-005	2.2300e-003	0.0000	6.3059	6.3059	1.6000e-004	1.7000e-004	6.3614
Total	**2.6300e-003**	**2.0000e-003**	**0.0229**	**7.0000e-005**	**8.2800e-003**	**4.0000e-005**	**8.3200e-003**	**2.2000e-003**	**4.0000e-005**	**2.2300e-003**	**0.0000**	**6.3059**	**6.3059**	**1.6000e-004**	**1.7000e-004**	**6.3614**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4668	7.4356	7.0869	0.0532	3.6449	0.0966	3.7415	0.9885	0.0921	1.0805	0.0000	5,635.2017	5,635.2017	0.0451	0.5147	5,789.7169
Unmitigated	0.4668	7.4356	7.0869	0.0532	3.6449	0.0966	3.7415	0.9885	0.0921	1.0805	0.0000	5,635.2017	5,635.2017	0.0451	0.5147	5,789.7169

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	253.39	253.39	253.39	3,440,555	3,440,555
Unrefrigerated Warehouse-Rail	1,028.37	1,028.37	1028.37	5,795,521	5,795,521
Total	1,281.76	1,281.76	1,281.76	9,236,075	9,236,075

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
General Heavy Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-Rail	16.60	16.60	16.60	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
General Heavy Industry	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Other Asphalt Surfaces	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Parking Lot	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.290000	0.076100	0.060900	0.573000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-Rail	0.696000	0.074700	0.229300	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	708.7741	708.7741	0.0315	3.8200e-003	710.7008
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	708.7741	708.7741	0.0315	3.8200e-003	710.7008
NaturalGas Mitigated	0.0282	0.2566	0.2155	1.5400e-003		0.0195	0.0195		0.0195	0.0195	0.0000	279.3337	279.3337	5.3500e-003	5.1200e-003	280.9936
NaturalGas Unmitigated	0.0282	0.2566	0.2155	1.5400e-003		0.0195	0.0195		0.0195	0.0195	0.0000	279.3337	279.3337	5.3500e-003	5.1200e-003	280.9936

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	4.6927e+006	0.0253	0.2300	0.1932	1.3800e-003		0.0175	0.0175		0.0175	0.0175	0.0000	250.4203	250.4203	4.8000e-003	4.5900e-003	251.9084
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	270908	1.4600e-003	0.0133	0.0112	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	14.4567	14.4567	2.8000e-004	2.7000e-004	14.5426
Unrefrigerated Warehouse-Rail	270908	1.4600e-003	0.0133	0.0112	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	14.4567	14.4567	2.8000e-004	2.7000e-004	14.5426
Total		**0.0282**	**0.2566**	**0.2156**	**1.5400e-003**		**0.0195**	**0.0195**		**0.0195**	**0.0195**	**0.0000**	**279.3337**	**279.3337**	**5.3600e-003**	**5.1300e-003**	**280.9936**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	4.6927e+006	0.0253	0.2300	0.1932	1.3800e-003		0.0175	0.0175		0.0175	0.0175	0.0000	250.4203	250.4203	4.8000e-003	4.5900e-003	251.9084
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	270908	1.4600e-003	0.0133	0.0112	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	14.4567	14.4567	2.8000e-004	2.7000e-004	14.5426
Unrefrigerated Warehouse-Rail	270908	1.4600e-003	0.0133	0.0112	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	14.4567	14.4567	2.8000e-004	2.7000e-004	14.5426
Total		**0.0282**	**0.2566**	**0.2156**	**1.5400e-003**		**0.0195**	**0.0195**		**0.0195**	**0.0195**	**0.0000**	**279.3337**	**279.3337**	**5.3600e-003**	**5.1300e-003**	**280.9936**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1.43989e+006	484.6167	0.0216	2.6100e-003	485.9340
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	15155	5.1007	2.3000e-004	3.0000e-005	5.1145
Parking Lot	25480	8.5757	3.8000e-004	5.0000e-005	8.5990
Unrefrigerated Warehouse-No Rail	312690	105.2405	4.6800e-003	5.7000e-004	105.5266
Unrefrigerated Warehouse-Rail	312690	105.2405	4.6800e-003	5.7000e-004	105.5266
Total		**708.7741**	**0.0315**	**3.8300e-003**	**710.7008**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1.43989e+006	484.6167	0.0216	2.6100e-003	485.9340
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	15155	5.1007	2.3000e-004	3.0000e-005	5.1145
Parking Lot	25480	8.5757	3.8000e-004	5.0000e-005	8.5990
Unrefrigerated Warehouse-No Rail	312690	105.2405	4.6800e-003	5.7000e-004	105.5266
Unrefrigerated Warehouse-Rail	312690	105.2405	4.6800e-003	5.7000e-004	105.5266
Total		**708.7741**	**0.0315**	**3.8300e-003**	**710.7008**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.7484	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Unmitigated	1.7484	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1055					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6422					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.3000e-004	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Total	**1.7484**	**7.0000e-005**	**7.9000e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0154**	**0.0154**	**4.0000e-005**	**0.0000**	**0.0164**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1055					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6422					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.3000e-004	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Total	**1.7484**	**7.0000e-005**	**7.9000e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0154**	**0.0154**	**4.0000e-005**	**0.0000**	**0.0164**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	460.5082	3.1441	0.0761	561.7898
Unmitigated	460.5082	3.1441	0.0761	561.7898

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.62126	9.8015	4.4000e-004	5.0000e-005	9.8282
General Heavy Industry	33.5659 / 0	157.7490	1.1003	0.0266	193.1886
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	31.1679 / 0	146.4788	1.0217	0.0247	179.3865
Unrefrigerated Warehouse-Rail	31.1679 / 0	146.4788	1.0217	0.0247	179.3865
Total		**460.5082**	**3.1441**	**0.0761**	**561.7898**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.62126	9.8015	4.4000e-004	5.0000e-005	9.8282
General Heavy Industry	33.5659 / 0	157.7490	1.1003	0.0266	193.1886
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	31.1679 / 0	146.4788	1.0217	0.0247	179.3865
Unrefrigerated Warehouse-Rail	31.1679 / 0	146.4788	1.0217	0.0247	179.3865
Total		**460.5082**	**3.1441**	**0.0761**	**561.7898**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	88.0088	5.2012	0.0000	218.0380
Unmitigated	88.0088	5.2012	0.0000	218.0380

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.19	0.0386	2.2800e-003	0.0000	0.0956
General Heavy Industry	179.99	36.5363	2.1592	0.0000	90.5172
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	126.69	25.7169	1.5198	0.0000	63.7126
Unrefrigerated Warehouse-Rail	126.69	25.7169	1.5198	0.0000	63.7126
Total		**88.0088**	**5.2012**	**0.0000**	**218.0380**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.19	0.0386	2.2800e-003	0.0000	0.0956
General Heavy Industry	179.99	36.5363	2.1592	0.0000	90.5172
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	126.69	25.7169	1.5198	0.0000	63.7126
Unrefrigerated Warehouse-Rail	126.69	25.7169	1.5198	0.0000	63.7126
Total		**88.0088**	**5.2012**	**0.0000**	**218.0380**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
	0	8.00	260			Diesel

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Operational On-Site Equipment Sources

1. Electric Vehicles - Energy Consumption

Vehicle Category	Lift Capacity (lbs)	Electric Motors	Drive Motor Capacity (hp)	Drive Motor Capacity (kW)	Facility Operation (hrs/day)	Vehicle Operation Load Factor[4]	Vehicle Operation (days/week)	Vehicle Operation (weeks/yr)	Vehicle Operation (hrs/year)	Electric Energy Consumption per Unit (kWhr/day/Unit)	Electric Energy Consumption per Unit (kWhr/yr/Unit)	Units	Total Energy Consumption (kWhr/day)	Total Energy Consumption (kWhr/yr)
Pallet Jack[1]	3,300	Drive Motor Capacity		0.7	8	0.2	7	52	582.4	1.12	407.68	10	11.20	4,076.80
		Lift Motor Capacity		0.8	8	0.05	7	52	145.6	0.32	116.48		3.20	1,164.80
Small Forklift[2]	3,086-4,409	Drive Motor Capacity		11	8	0.2	7	52	582.4	17.60	6,406.40	20	352.00	128,128.00
		Lift Motor Capacity		10	8	0.05	7	52	145.6	4.00	1,456.00		80.00	29,120.00
Large Forklift[3]	7,000-11,000	Drive Motor Capacity	24	18	8	0.2	7	52	582.4	28.80	10,483.20	20	576.00	209,664.00
		Lift Motor Capacity	27	20	8	0.05	7	52	145.6	8.00	2,912.00		160.00	58,240.00
Yard Truck[5]	N/A	Drive Motor Capacity	215	160	8	0.2	7	52	582.4	256.00	93,184.00	2	512.00	186,368.00
												Total	1,182.40	430,393.60

[1] Based on Global Industrial™ 3300 LB. CAPACITY SELF-PROPELLED ELECTRIC POWER PALLET JACK TRUCK
https://www.globalindustrial.com/p/material-handling/pallet-trucks-jacks/self-propelled/global-industrial-self-propelled-electric-power-pallet-jack-truck-3300-lb-cap?infoParam.campaignId=T9F&gclid=CjwKCAjw_sn8BRBrEiwAnUGJDsnUx19lvgquuJTz2DOx51UqkSAlg9VO22XpkzJZWyI-FmMiqFRaeRoCOqEQAvD_BwE

[2] Based on CAT Model EP12ANT - EP20ANT
https://www.catlifttruck.com/lift-trucks/counterbalance-forklift-trucks/electric-powered-lift-trucks/ep14-20acnt

[3] Based on CAT Model 2EPC7000 - 2EP11000
https://www.logisnextamericas.com/-/media/mcfa/sites/portal/files/forklifts/cat-lift-trucks/sales%20literature/clt-i-2epc7000-2ep11000-english.pdf

[4] Drive motor load factor based on CalEEMod User Manual Table 3.3 for offroad forklift load factor
Lift motor load factor set equal of 25% of drive motor capacity factor based on engineering estimate.

[5] Based on Kalmar Ottawa T22 - 4x2 Electric Yard Truck
kalmar-ottawa-t2e-4x2-electric-yard-truck - Yard Truck Specialists

2. Electric Vehicles - Greenhouse Gas (GHG) Emissions

Vehicle Category	Lift Capacity (lbs)	Electric Motors	Total Energy Consumption (kWhr/day)	Total Energy Consumption (kWhr/yr)	GHG Intensity Factors CO_2[1] (lb/MWhr)	GHG Intensity Factors CH_4[2] (lb/MWhr)	GHG Intensity Factors N_2O[2] (lb/MWhr)	Annual GHG Emissions CO_2[1] (TPY)	Annual GHG Emissions CH_4[2] (TPY)	Annual GHG Emissions N_2O[2] (TPY)	Annual GHG Emissions CO_2e[3] (TPY)	Annual GHG Emissions CO_2e[3] (Metric TPY)
Pallet Jack[1]	3,300	Drive Motor Capacity	11.2	4,076.80	513	0.029	0.006	1.05	0.0001	0.0000	1.05	0.95
		Lift Motor Capacity	3.2	1,164.80	513	0.029	0.006	0.30	0.0000	0.0000	0.30	0.27
Small Forklift[2]	3,086-4,409	Drive Motor Capacity	352	128,128.00	513	0.029	0.006	32.86	0.0019	0.0004	33.03	29.96
		Lift Motor Capacity	80	29,120.00	513	0.029	0.006	7.47	0.0004	0.0001	7.51	6.81
Large Forklift[3]	7,000-11,000	Drive Motor Capacity	576	209,664.00	513	0.029	0.006	53.78	0.0030	0.0006	54.04	49.03
		Lift Motor Capacity	160	58,240.00	513	0.029	0.006	14.94	0.0008	0.0002	15.01	13.62
Yard Truck	N/A	Drive Motor Capacity	512	186,368.00	513	0.029	0.006	47.80	0.0027	0.0006	48.04	43.58
							Total	158.20	0.0089	0.0019	158.96	144.21
							(Metric TPY)	143.5162	0.0081	0.0017		

[1]. Based on SCE 2018 Corporate Sustainability Report.
https://www.edison.com/content/dam/eix/documents/sustainability/eix-2018-sustainability-report.pdf

[2]. Based on CalEEmod default values for the Utility

3 $CO_2e = CO_2 + 21 \times (CH_4) + 298 \times (N_2O)$.

Appendix B-2
Health Risk Assessment

Construction HRA Files

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	145.15	1000sqft	3.33	145,150.00	0
Unrefrigerated Warehouse-No Rail	134.78	1000sqft	3.09	134,780.00	0
Unrefrigerated Warehouse-Rail	134.78	1000sqft	3.09	134,780.00	0
Other Asphalt Surfaces	219.14	1000sqft	5.03	219,140.00	0
Parking Lot	182.00	Space	1.64	72,800.00	0
Parking Lot	43.30	1000sqft	0.99	43,300.00	0
City Park	2.20	Acre	2.20	95,832.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	30
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on applicant provided informtation. Divided land use area of warehouse into 2 and assigned one to "Rail" so that trucks and passenger vehicles can be modeled in a single run.

Construction Phase - Building Construction set equal to 6 Months based on project specific schedule.

Off-road Equipment - Default values.

Off-road Equipment - Default values.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - Default values.

Off-road Equipment - Default values

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Per applicant provided information. Trip length set to 1,000 ft for onsite only operation of vehicles.

On-road Fugitive Dust - Default values

Grading - Per applicant zero import and export of grading materials.

Architectural Coating - Per applicant Low-VOC 50 g/L coatings to be used as PDF for the project.

Vehicle Trips - Based on Traffic Study. All mobile sources accounted for in Warehouse land uses.

Area Coating - Based on applicant provided information. Low-VOC coatings 50 g/L.

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation -

Area Mitigation - Per applicant provided information Low-VOC coatings will be utlized as part of the project as PDF.

Energy Mitigation -

Water Mitigation -

Waste Mitigation - Based on project PDF

Operational Off-Road Equipment - Offroad operational vehicles are assumed electric as PDF.

Fleet Mix - See addtiioinal calculations sheets for basis.

Stationary Sources - Emergency Generators and Fire Pumps - None identified as part of the project.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	207,355.00	207,353.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	622,065.00	622,058.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50

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tblAreaCoating	Area_Nonresidential_Exterior	207355	207353
tblAreaCoating	Area_Nonresidential_Interior	622065	622058
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	250
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	250
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	300.00	131.00
tblFleetMix	HHD	0.02	0.57
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.70
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.23
tblFleetMix	LHD1	0.03	0.29
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.6920e-003	0.08
tblFleetMix	LHD2	7.6920e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4230e-003	0.00
tblFleetMix	MH	5.4230e-003	0.00
tblFleetMix	MHD	6.1550e-003	0.06
tblFleetMix	MHD	6.1550e-003	0.00
tblFleetMix	OBUS	4.8300e-004	0.00
tblFleetMix	OBUS	4.8300e-004	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	SBUS	9.2800e-004	0.00
tblFleetMix	SBUS	9.2800e-004	0.00
tblFleetMix	UBUS	1.5800e-004	0.00
tblFleetMix	UBUS	1.5800e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	VendorTripLength	6.60	0.19
tblTripsAndVMT	VendorTripLength	6.60	0.19
tblTripsAndVMT	VendorTripLength	6.60	0.19
tblTripsAndVMT	VendorTripLength	6.60	0.19
tblTripsAndVMT	VendorTripLength	6.60	0.19
tblTripsAndVMT	WorkerTripLength	16.80	0.19
tblTripsAndVMT	WorkerTripLength	16.80	0.19
tblTripsAndVMT	WorkerTripLength	16.80	0.19
tblTripsAndVMT	WorkerTripLength	16.80	0.19
tblTripsAndVMT	WorkerTripLength	16.80	0.19
tblTripsAndVMT	WorkerTripNumber	5.00	10.00
tblTripsAndVMT	WorkerTripNumber	20.00	30.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	CC_TL	6.60	40.00
tblVehicleTrips	CC_TL	6.60	16.60
tblVehicleTrips	CNW_TL	6.60	40.00
tblVehicleTrips	CNW_TL	6.60	16.60

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	CW_TL	14.70	40.00
tblVehicleTrips	CW_TL	14.70	16.60
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	ST_TR	1.74	1.88
tblVehicleTrips	ST_TR	1.74	7.63
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	SU_TR	1.74	1.88
tblVehicleTrips	SU_TR	1.74	7.63
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblVehicleTrips	WD_TR	1.74	1.88
tblVehicleTrips	WD_TR	1.74	7.63

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	1.1999	1.7539	1.9250	3.3000e-003	0.1760	0.0753	0.2512	0.0731	0.0703	0.1434	0.0000	288.4312	288.4312	0.0742	4.5500e-003	291.6434
Maximum	**1.1999**	**1.7539**	**1.9250**	**3.3000e-003**	**0.1760**	**0.0753**	**0.2512**	**0.0731**	**0.0703**	**0.1434**	**0.0000**	**288.4312**	**288.4312**	**0.0742**	**4.5500e-003**	**291.6434**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	1.1999	1.7539	1.9249	3.3000e-003	0.0820	0.0753	0.1573	0.0337	0.0703	0.1040	0.0000	288.4309	288.4309	0.0742	4.5500e-003	291.6431
Maximum	**1.1999**	**1.7539**	**1.9249**	**3.3000e-003**	**0.0820**	**0.0753**	**0.1573**	**0.0337**	**0.0703**	**0.1040**	**0.0000**	**288.4309**	**288.4309**	**0.0742**	**4.5500e-003**	**291.6431**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.40**	**0.00**	**37.40**	**53.91**	**0.01**	**27.48**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
2	10-4-2022	1-3-2023	0.0102	0.0102
3	1-4-2023	4-3-2023	0.8561	0.8561
4	4-4-2023	7-3-2023	0.6080	0.6080
5	7-4-2023	9-30-2023	0.6748	0.6748
		Highest	0.8561	0.8561

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.7484	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Energy	0.0282	0.2566	0.2155	1.5400e-003		0.0195	0.0195		0.0195	0.0195	0.0000	652.8060	652.8060	0.0369	8.9400e-003	656.3927
Mobile	0.4668	7.4356	7.0869	0.0532	3.6449	0.0966	3.7415	0.9885	0.0921	1.0805	0.0000	5,016.1432	5,016.1432	0.0451	0.5147	5,170.6584
Waste						0.0000	0.0000		0.0000	0.0000	88.0088	0.0000	88.0088	5.2012	0.0000	218.0380
Water						0.0000	0.0000		0.0000	0.0000	30.4252	226.6224	257.0476	3.1441	0.0761	358.3292
Total	**2.2435**	**7.6922**	**7.3103**	**0.0548**	**3.6449**	**0.1161**	**3.7610**	**0.9885**	**0.1116**	**1.1001**	**118.4339**	**5,895.5871**	**6,014.0210**	**8.4273**	**0.5998**	**6,403.4347**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.7484	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Energy	0.0282	0.2566	0.2155	1.5400e-003		0.0195	0.0195		0.0195	0.0195	0.0000	652.8060	652.8060	0.0369	8.9400e-003	656.3927
Mobile	0.4668	7.4356	7.0869	0.0532	3.6449	0.0966	3.7415	0.9885	0.0921	1.0805	0.0000	5,016.1432	5,016.1432	0.0451	0.5147	5,170.6584
Waste						0.0000	0.0000		0.0000	0.0000	22.0022	0.0000	22.0022	1.3003	0.0000	54.5095
Water						0.0000	0.0000		0.0000	0.0000	24.3401	182.3309	206.6710	2.5154	0.0609	287.7016
Total	**2.2435**	**7.6922**	**7.3103**	**0.0548**	**3.6449**	**0.1161**	**3.7610**	**0.9885**	**0.1116**	**1.1001**	**46.3423**	**5,851.2955**	**5,897.6379**	**3.8977**	**0.5846**	**6,169.2786**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**60.87**	**0.75**	**1.94**	**53.75**	**2.54**	**3.66**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2023	1/13/2023	5	10	
2	Grading	Grading	1/14/2023	2/24/2023	5	30	
3	Building Construction	Building Construction	2/25/2023	8/28/2023	5	131	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Paving	Paving	8/29/2023	9/25/2023	5	20	
5	Architectural Coating	Architectural Coating	9/26/2023	10/23/2023	5	20	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 90

Acres of Paving: 7.66

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 622,058; Non-Residential Outdoor: 207,353; Striped Parking Area: 16,200 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	10.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Grading	8	30.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Building Construction	9	328.00	128.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	66.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0328	0.0000	0.0328	0.0168	0.0000	0.0168	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1800e-003	0.0433	0.0267	6.0000e-005		1.9800e-003	1.9800e-003		1.8200e-003	1.8200e-003	0.0000	5.1191	5.1191	1.6600e-003	0.0000	5.1605
Total	**4.1800e-003**	**0.0433**	**0.0267**	**6.0000e-005**	**0.0328**	**1.9800e-003**	**0.0347**	**0.0168**	**1.8200e-003**	**0.0187**	**0.0000**	**5.1191**	**5.1191**	**1.6600e-003**	**0.0000**	**5.1605**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	3.0000e-005	2.9000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0140	0.0140	1.0000e-005	0.0000	0.0151
Total	**7.0000e-005**	**3.0000e-005**	**2.9000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0140**	**0.0140**	**1.0000e-005**	**0.0000**	**0.0151**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0147	0.0000	0.0147	7.5800e-003	0.0000	7.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1800e-003	0.0433	0.0267	6.0000e-005		1.9800e-003	1.9800e-003		1.8200e-003	1.8200e-003	0.0000	5.1191	5.1191	1.6600e-003	0.0000	5.1605
Total	**4.1800e-003**	**0.0433**	**0.0267**	**6.0000e-005**	**0.0147**	**1.9800e-003**	**0.0167**	**7.5800e-003**	**1.8200e-003**	**9.4000e-003**	**0.0000**	**5.1191**	**5.1191**	**1.6600e-003**	**0.0000**	**5.1605**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	3.0000e-005	2.9000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0140	0.0140	1.0000e-005	0.0000	0.0151
Total	**7.0000e-005**	**3.0000e-005**	**2.9000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0140**	**0.0140**	**1.0000e-005**	**0.0000**	**0.0151**

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.5177	0.4208	9.3000e-004		0.0214	0.0214		0.0197	0.0197	0.0000	81.8028	81.8028	0.0265	0.0000	82.4642
Total	**0.0498**	**0.5177**	**0.4208**	**9.3000e-004**	**0.1381**	**0.0214**	**0.1594**	**0.0548**	**0.0197**	**0.0745**	**0.0000**	**81.8028**	**81.8028**	**0.0265**	**0.0000**	**82.4642**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	2.5000e-004	2.5800e-003	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1262	0.1262	6.0000e-005	3.0000e-005	0.1356
Total	**6.5000e-004**	**2.5000e-004**	**2.5800e-003**	**0.0000**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.1262**	**0.1262**	**6.0000e-005**	**3.0000e-005**	**0.1356**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0621	0.0000	0.0621	0.0247	0.0000	0.0247	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.5177	0.4208	9.3000e-004		0.0214	0.0214		0.0197	0.0197	0.0000	81.8027	81.8027	0.0265	0.0000	82.4641
Total	**0.0498**	**0.5177**	**0.4208**	**9.3000e-004**	**0.0621**	**0.0214**	**0.0835**	**0.0247**	**0.0197**	**0.0443**	**0.0000**	**81.8027**	**81.8027**	**0.0265**	**0.0000**	**82.4641**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	2.5000e-004	2.5800e-003	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1262	0.1262	6.0000e-005	3.0000e-005	0.1356
Total	**6.5000e-004**	**2.5000e-004**	**2.5800e-003**	**0.0000**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.1262**	**0.1262**	**6.0000e-005**	**3.0000e-005**	**0.1356**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1030	0.9422	1.0640	1.7600e-003		0.0458	0.0458		0.0431	0.0431	0.0000	151.8321	151.8321	0.0361	0.0000	152.7351
Total	**0.1030**	**0.9422**	**1.0640**	**1.7600e-003**		**0.0458**	**0.0458**		**0.0431**	**0.0431**	**0.0000**	**151.8321**	**151.8321**	**0.0361**	**0.0000**	**152.7351**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0600e-003	0.1229	0.1189	2.2000e-004	1.6700e-003	1.5000e-004	1.8200e-003	5.1000e-004	1.4000e-004	6.5000e-004	0.0000	20.7030	20.7030	4.6000e-004	3.1900e-003	21.6654
Worker	0.0308	0.0120	0.1231	7.0000e-005	3.2600e-003	1.2000e-004	3.3700e-003	8.9000e-004	1.1000e-004	1.0000e-003	0.0000	6.0239	6.0239	2.7200e-003	1.2800e-003	6.4745
Total	**0.0389**	**0.1349**	**0.2420**	**2.9000e-004**	**4.9300e-003**	**2.7000e-004**	**5.1900e-003**	**1.4000e-003**	**2.5000e-004**	**1.6500e-003**	**0.0000**	**26.7269**	**26.7269**	**3.1800e-003**	**4.4700e-003**	**28.1399**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1030	0.9422	1.0640	1.7600e-003		0.0458	0.0458		0.0431	0.0431	0.0000	151.8319	151.8319	0.0361	0.0000	152.7349
Total	**0.1030**	**0.9422**	**1.0640**	**1.7600e-003**		**0.0458**	**0.0458**		**0.0431**	**0.0431**	**0.0000**	**151.8319**	**151.8319**	**0.0361**	**0.0000**	**152.7349**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0600e-003	0.1229	0.1189	2.2000e-004	1.6700e-003	1.5000e-004	1.8200e-003	5.1000e-004	1.4000e-004	6.5000e-004	0.0000	20.7030	20.7030	4.6000e-004	3.1900e-003	21.6654
Worker	0.0308	0.0120	0.1231	7.0000e-005	3.2600e-003	1.2000e-004	3.3700e-003	8.9000e-004	1.1000e-004	1.0000e-003	0.0000	6.0239	6.0239	2.7200e-003	1.2800e-003	6.4745
Total	**0.0389**	**0.1349**	**0.2420**	**2.9000e-004**	**4.9300e-003**	**2.7000e-004**	**5.1900e-003**	**1.4000e-003**	**2.5000e-004**	**1.6500e-003**	**0.0000**	**26.7269**	**26.7269**	**3.1800e-003**	**4.4700e-003**	**28.1399**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888
Paving	0.0100					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0204**	**0.1019**	**0.1458**	**2.3000e-004**		**5.1000e-003**	**5.1000e-003**		**4.6900e-003**	**4.6900e-003**	**0.0000**	**20.0269**	**20.0269**	**6.4800e-003**	**0.0000**	**20.1888**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	9.0000e-005	9.2000e-004	0.0000	2.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0449	0.0449	2.0000e-005	1.0000e-005	0.0482
Total	**2.3000e-004**	**9.0000e-005**	**9.2000e-004**	**0.0000**	**2.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0449**	**0.0449**	**2.0000e-005**	**1.0000e-005**	**0.0482**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888
Paving	0.0100					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0204**	**0.1019**	**0.1458**	**2.3000e-004**		**5.1000e-003**	**5.1000e-003**		**4.6900e-003**	**4.6900e-003**	**0.0000**	**20.0268**	**20.0268**	**6.4800e-003**	**0.0000**	**20.1888**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	9.0000e-005	9.2000e-004	0.0000	2.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0449	0.0449	2.0000e-005	1.0000e-005	0.0482
Total	**2.3000e-004**	**9.0000e-005**	**9.2000e-004**	**0.0000**	**2.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0449**	**0.0449**	**2.0000e-005**	**1.0000e-005**	**0.0482**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9799					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.9818**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.5000e-004	3.7000e-004	3.7800e-003	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1851	0.1851	8.0000e-005	4.0000e-005	0.1989
Total	**9.5000e-004**	**3.7000e-004**	**3.7800e-003**	**0.0000**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1851**	**0.1851**	**8.0000e-005**	**4.0000e-005**	**0.1989**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9799					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.9818**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.5000e-004	3.7000e-004	3.7800e-003	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1851	0.1851	8.0000e-005	4.0000e-005	0.1989
Total	**9.5000e-004**	**3.7000e-004**	**3.7800e-003**	**0.0000**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1851**	**0.1851**	**8.0000e-005**	**4.0000e-005**	**0.1989**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4668	7.4356	7.0869	0.0532	3.6449	0.0966	3.7415	0.9885	0.0921	1.0805	0.0000	5,016.1432	5,016.1432	0.0451	0.5147	5,170.6584
Unmitigated	0.4668	7.4356	7.0869	0.0532	3.6449	0.0966	3.7415	0.9885	0.0921	1.0805	0.0000	5,016.1432	5,016.1432	0.0451	0.5147	5,170.6584

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	253.39	253.39	253.39	3,440,555	3,440,555
Unrefrigerated Warehouse-Rail	1,028.37	1,028.37	1028.37	5,795,521	5,795,521
Total	1,281.76	1,281.76	1,281.76	9,236,075	9,236,075

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
General Heavy Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-Rail	16.60	16.60	16.60	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
General Heavy Industry	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Other Asphalt Surfaces	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Parking Lot	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.290000	0.076100	0.060900	0.573000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-Rail	0.696000	0.074700	0.229300	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	373.4724	373.4724	0.0315	3.8200e-003	375.3991
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	373.4724	373.4724	0.0315	3.8200e-003	375.3991
NaturalGas Mitigated	0.0282	0.2566	0.2155	1.5400e-003		0.0195	0.0195		0.0195	0.0195	0.0000	279.3337	279.3337	5.3500e-003	5.1200e-003	280.9936
NaturalGas Unmitigated	0.0282	0.2566	0.2155	1.5400e-003		0.0195	0.0195		0.0195	0.0195	0.0000	279.3337	279.3337	5.3500e-003	5.1200e-003	280.9936

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	4.6927e+006	0.0253	0.2300	0.1932	1.3800e-003		0.0175	0.0175		0.0175	0.0175	0.0000	250.4203	250.4203	4.8000e-003	4.5900e-003	251.9084
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	270908	1.4600e-003	0.0133	0.0112	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	14.4567	14.4567	2.8000e-004	2.7000e-004	14.5426
Unrefrigerated Warehouse-Rail	270908	1.4600e-003	0.0133	0.0112	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	14.4567	14.4567	2.8000e-004	2.7000e-004	14.5426
Total		**0.0282**	**0.2566**	**0.2156**	**1.5400e-003**		**0.0195**	**0.0195**		**0.0195**	**0.0195**	**0.0000**	**279.3337**	**279.3337**	**5.3600e-003**	**5.1300e-003**	**280.9936**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	4.6927e+006	0.0253	0.2300	0.1932	1.3800e-003		0.0175	0.0175		0.0175	0.0175	0.0000	250.4203	250.4203	4.8000e-003	4.5900e-003	251.9084
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	270908	1.4600e-003	0.0133	0.0112	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	14.4567	14.4567	2.8000e-004	2.7000e-004	14.5426
Unrefrigerated Warehouse-Rail	270908	1.4600e-003	0.0133	0.0112	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	14.4567	14.4567	2.8000e-004	2.7000e-004	14.5426
Total		**0.0282**	**0.2566**	**0.2156**	**1.5400e-003**		**0.0195**	**0.0195**		**0.0195**	**0.0195**	**0.0000**	**279.3337**	**279.3337**	**5.3600e-003**	**5.1300e-003**	**280.9936**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1.43989e+006	255.3577	0.0216	2.6100e-003	256.6751
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	15155	2.6877	2.3000e-004	3.0000e-005	2.7015
Parking Lot	25480	4.5188	3.8000e-004	5.0000e-005	4.5421
Unrefrigerated Warehouse-No Rail	312690	55.4541	4.6800e-003	5.7000e-004	55.7402
Unrefrigerated Warehouse-Rail	312690	55.4541	4.6800e-003	5.7000e-004	55.7402
Total		**373.4724**	**0.0315**	**3.8300e-003**	**375.3991**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1.43989e+006	255.3577	0.0216	2.6100e-003	256.6751
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	15155	2.6877	2.3000e-004	3.0000e-005	2.7015
Parking Lot	25480	4.5188	3.8000e-004	5.0000e-005	4.5421
Unrefrigerated Warehouse-No Rail	312690	55.4541	4.6800e-003	5.7000e-004	55.7402
Unrefrigerated Warehouse-Rail	312690	55.4541	4.6800e-003	5.7000e-004	55.7402
Total		**373.4724**	**0.0315**	**3.8300e-003**	**375.3991**

6.0 Area Detail

6.1 Mitigation Measures Area

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.7484	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Unmitigated	1.7484	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1055					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6422					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.3000e-004	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Total	**1.7484**	**7.0000e-005**	**7.9000e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0154**	**0.0154**	**4.0000e-005**	**0.0000**	**0.0164**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1055					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6422					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.3000e-004	7.0000e-005	7.9000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0154	0.0154	4.0000e-005	0.0000	0.0164
Total	**1.7484**	**7.0000e-005**	**7.9000e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0154**	**0.0154**	**4.0000e-005**	**0.0000**	**0.0164**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	206.6710	2.5154	0.0609	287.7016
Unmitigated	257.0476	3.1441	0.0761	358.3292

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.62126	5.1647	4.4000e-004	5.0000e-005	5.1913
General Heavy Industry	33.5659 / 0	88.1599	1.1003	0.0266	123.5995
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	31.1679 / 0	81.8615	1.0217	0.0247	114.7692
Unrefrigerated Warehouse-Rail	31.1679 / 0	81.8615	1.0217	0.0247	114.7692
Total		**257.0476**	**3.1441**	**0.0761**	**358.3292**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.62126	5.1647	4.4000e-004	5.0000e-005	5.1913
General Heavy Industry	26.8528 / 0	70.5280	0.8802	0.0213	98.8796
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	24.9343 / 0	65.4892	0.8173	0.0198	91.8153
Unrefrigerated Warehouse-Rail	24.9343 / 0	65.4892	0.8173	0.0198	91.8153
Total		**206.6710**	**2.5154**	**0.0609**	**287.7016**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	22.0022	1.3003	0.0000	54.5095
Unmitigated	88.0088	5.2012	0.0000	218.0380

I-15 Industrial Phase II - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.19	0.0386	2.2800e-003	0.0000	0.0956
General Heavy Industry	179.99	36.5363	2.1592	0.0000	90.5172
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	126.69	25.7169	1.5198	0.0000	63.7126
Unrefrigerated Warehouse-Rail	126.69	25.7169	1.5198	0.0000	63.7126
Total		**88.0088**	**5.2012**	**0.0000**	**218.0380**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.0475	9.6400e-003	5.7000e-004	0.0000	0.0239
General Heavy Industry	44.9975	9.1341	0.5398	0.0000	22.6293
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	31.6725	6.4292	0.3800	0.0000	15.9282
Unrefrigerated Warehouse-Rail	31.6725	6.4292	0.3800	0.0000	15.9282
Total		**22.0022**	**1.3003**	**0.0000**	**54.5095**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
	0	8.00	260			Diesel

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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**
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** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 4/6/2022
** File: C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Poplar18Const\Poplar18Const.ADI
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**************************************
** AERMOD Control Pathway
**************************************
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   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2180000
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL Poplar18Const.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
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SO STARTING
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** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
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** DESCRSRC Onsite Construction
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
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   LOCATION L0000009     VOLUME   463790.965 3808519.736 1097.95
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** Source Parameters **
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SRCPARAM L0000177     0.0034246575      3.40      4.00      3.16
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SRCPARAM L0000189     0.0034246575      3.40      4.00      3.16
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SRCPARAM L0000192     0.0034246575      3.40      4.00      3.16
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SRCPARAM L0000194     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000195     0.0034246575      3.40      4.00      3.16
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SRCPARAM L0000202     0.0034246575      3.40      4.00      3.16
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SRCPARAM L0000207     0.0034246575      3.40      4.00      3.16
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SRCPARAM L0000209     0.0034246575      3.40      4.00      3.16
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SRCPARAM L0000213     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000214     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000215     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000216     0.0034246575      3.40      4.00      3.16
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SRCPARAM L0000218     0.0034246575      3.40      4.00      3.16
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SRCPARAM L0000220     0.0034246575      3.40      4.00      3.16
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SRCPARAM L0000222     0.0034246575      3.40      4.00      3.16
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SRCPARAM L0000226     0.0034246575      3.40      4.00      3.16
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SRCPARAM L0000228     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000229     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000230     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000231     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000232     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000233     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000234     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000235     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000236     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000237     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000238     0.0034246575      3.40      4.00      3.16
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SRCPARAM L0000240     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000241     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000242     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000243     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000244     0.0034246575      3.40      4.00      3.16
SRCPARAM L0000245     0.0034246575      3.40      4.00      3.16
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   SRCPARAM L0000248     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000249     0.0034246575      3.40      4.00      3.16
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   SRCPARAM L0000256     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000257     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000258     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000259     0.0034246575      3.40      4.00      3.16
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   SRCPARAM L0000261     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000262     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000263     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000264     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000265     0.0034246575      3.40      4.00      3.16
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   SRCPARAM L0000269     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000270     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000271     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000272     0.0034246575      3.40      4.00      3.16
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   SRCPARAM L0000277     0.0034246575      3.40      4.00      3.16
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   SRCPARAM L0000280     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000281     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000282     0.0034246575      3.40      4.00      3.16
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   SRCPARAM L0000285     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000286     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000287     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000288     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000289     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000290     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000291     0.0034246575      3.40      4.00      3.16
   SRCPARAM L0000292     0.0034246575      3.40      4.00      3.16
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
```

```
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Poplar18Const.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "..\I15 Industrial Park8.16.21\723825\723825R.SFC"
   PROFFILE "..\I15 Industrial Park8.16.21\723825\723825R.PFL"
   SURFDATA 23131 2009
   UAIRDATA 3160 2009 DESERT_ROCK
   PROFBASE 879.4 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST POPLAR18CONST.AD\01H1GALL.PLT 31
   PLOTFILE PERIOD ALL POPLAR18CONST.AD\PE00GALL.PLT 32
   SUMMFILE Poplar18Const.sum
OU FINISHED

 *********************************
 *** SETUP Finishes Successfully ***
 *********************************

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        13:53:49

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
```

```
                                        ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - -
```

```
 **The AERMET Input Meteorological Data Version Date:  14134

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   879.40 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                 ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.0 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Poplar18Const.err

 **File for Summary of Results:   Poplar18Const.sum

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        13:53:49

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
```

(METERS) BY
 - - -

```
 L0000024         0   0.34247E-02  463920.0 3808519.4  1096.9     3.40     4.00
3.16     YES
 L0000025         0   0.34247E-02  463928.6 3808519.4  1096.9     3.40     4.00
3.16     YES
 L0000026         0   0.34247E-02  463937.2 3808519.3  1096.9     3.40     4.00
3.16     YES
 L0000027         0   0.34247E-02  463945.8 3808519.3  1096.9     3.40     4.00
3.16     YES
 L0000028         0   0.34247E-02  463954.4 3808519.3  1096.9     3.40     4.00
3.16     YES
 L0000029         0   0.34247E-02  463963.0 3808519.3  1096.9     3.40     4.00
3.16     YES
 L0000030         0   0.34247E-02  463971.6 3808519.2  1096.9     3.40     4.00
3.16     YES
 L0000031         0   0.34247E-02  463980.2 3808519.2  1096.9     3.40     4.00
3.16     YES
 L0000032         0   0.34247E-02  463988.8 3808519.2  1096.9     3.40     4.00
3.16     YES
 L0000033         0   0.34247E-02  463997.4 3808519.2  1096.7     3.40     4.00
3.16     YES
 L0000034         0   0.34247E-02  464006.0 3808519.2  1096.4     3.40     4.00
3.16     YES
 L0000035         0   0.34247E-02  464014.6 3808519.1  1096.2     3.40     4.00
3.16     YES
 L0000036         0   0.34247E-02  464023.2 3808519.1  1096.0     3.40     4.00
3.16     YES
 L0000037         0   0.34247E-02  464031.8 3808519.1  1096.0     3.40     4.00
3.16     YES
 L0000038         0   0.34247E-02  464040.4 3808519.1  1096.0     3.40     4.00
3.16     YES
 L0000039         0   0.34247E-02  464049.0 3808519.0  1096.0     3.40     4.00
3.16     YES
 L0000040         0   0.34247E-02  464057.6 3808519.0  1096.0     3.40     4.00
3.16     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       13:53:49

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
```

(METERS) BY
 - - -

```
 L0000064         0   0.34247E-02  463985.6 3808492.3  1097.0     3.40     4.00
3.16     YES
 L0000065         0   0.34247E-02  463977.0 3808492.3  1097.0     3.40     4.00
3.16     YES
 L0000066         0   0.34247E-02  463968.4 3808492.3  1097.0     3.40     4.00
3.16     YES
 L0000067         0   0.34247E-02  463959.8 3808492.3  1097.0     3.40     4.00
3.16     YES
 L0000068         0   0.34247E-02  463951.2 3808492.3  1097.2     3.40     4.00
3.16     YES
 L0000069         0   0.34247E-02  463942.6 3808492.3  1097.5     3.40     4.00
3.16     YES
 L0000070         0   0.34247E-02  463934.0 3808492.4  1097.7     3.40     4.00
3.16     YES
 L0000071         0   0.34247E-02  463925.4 3808492.4  1097.8     3.40     4.00
3.16     YES
 L0000072         0   0.34247E-02  463916.8 3808492.4  1097.8     3.40     4.00
3.16     YES
 L0000073         0   0.34247E-02  463908.2 3808492.4  1097.8     3.40     4.00
3.16     YES
 L0000074         0   0.34247E-02  463899.6 3808492.4  1097.8     3.40     4.00
3.16     YES
 L0000075         0   0.34247E-02  463891.0 3808492.4  1097.8     3.40     4.00
3.16     YES
 L0000076         0   0.34247E-02  463882.4 3808492.4  1097.9     3.40     4.00
3.16     YES
 L0000077         0   0.34247E-02  463873.8 3808492.4  1098.0     3.40     4.00
3.16     YES
 L0000078         0   0.34247E-02  463865.2 3808492.4  1098.0     3.40     4.00
3.16     YES
 L0000079         0   0.34247E-02  463856.6 3808492.5  1098.0     3.40     4.00
3.16     YES
 L0000080         0   0.34247E-02  463848.0 3808492.5  1098.0     3.40     4.00
3.16     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       13:53:49

                                  PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
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(METERS) BY
 - - -

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 L0000104         0   0.34247E-02  463764.2 3808463.6  1099.4     3.40     4.00
3.16     YES
 L0000105         0   0.34247E-02  463772.8 3808463.5  1099.2     3.40     4.00
3.16     YES
 L0000106         0   0.34247E-02  463781.4 3808463.5  1099.0     3.40     4.00
3.16     YES
 L0000107         0   0.34247E-02  463790.0 3808463.5  1099.0     3.40     4.00
3.16     YES
 L0000108         0   0.34247E-02  463798.6 3808463.4  1099.0     3.40     4.00
3.16     YES
 L0000109         0   0.34247E-02  463807.2 3808463.4  1099.0     3.40     4.00
3.16     YES
 L0000110         0   0.34247E-02  463815.8 3808463.4  1099.0     3.40     4.00
3.16     YES
 L0000111         0   0.34247E-02  463824.4 3808463.3  1098.9     3.40     4.00
3.16     YES
 L0000112         0   0.34247E-02  463833.0 3808463.3  1098.8     3.40     4.00
3.16     YES
 L0000113         0   0.34247E-02  463841.6 3808463.2  1098.8     3.40     4.00
3.16     YES
 L0000114         0   0.34247E-02  463850.2 3808463.2  1098.8     3.40     4.00
3.16     YES
 L0000115         0   0.34247E-02  463858.8 3808463.2  1098.8     3.40     4.00
3.16     YES
 L0000116         0   0.34247E-02  463867.4 3808463.1  1098.8     3.40     4.00
3.16     YES
 L0000117         0   0.34247E-02  463876.0 3808463.1  1098.6     3.40     4.00
3.16     YES
 L0000118         0   0.34247E-02  463884.6 3808463.1  1098.4     3.40     4.00
3.16     YES
 L0000119         0   0.34247E-02  463893.2 3808463.0  1098.2     3.40     4.00
3.16     YES
 L0000120         0   0.34247E-02  463901.8 3808463.0  1098.0     3.40     4.00
3.16     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
```

(METERS) BY
 - - -

```
 L0000144         0   0.34247E-02  464108.2 3808462.2  1096.8     3.40     4.00
3.16     YES
 L0000145         0   0.34247E-02  464111.2 3808456.5  1096.9     3.40     4.00
3.16     YES
 L0000146         0   0.34247E-02  464111.4 3808447.9  1097.0     3.40     4.00
3.16     YES
 L0000147         0   0.34247E-02  464111.5 3808439.3  1097.0     3.40     4.00
3.16     YES
 L0000148         0   0.34247E-02  464110.1 3808432.2  1097.0     3.40     4.00
3.16     YES
 L0000149         0   0.34247E-02  464101.5 3808432.2  1097.2     3.40     4.00
3.16     YES
 L0000150         0   0.34247E-02  464092.9 3808432.3  1097.5     3.40     4.00
3.16     YES
 L0000151         0   0.34247E-02  464084.3 3808432.3  1097.7     3.40     4.00
3.16     YES
 L0000152         0   0.34247E-02  464075.7 3808432.3  1097.8     3.40     4.00
3.16     YES
 L0000153         0   0.34247E-02  464067.1 3808432.4  1097.8     3.40     4.00
3.16     YES
 L0000154         0   0.34247E-02  464058.5 3808432.4  1097.8     3.40     4.00
3.16     YES
 L0000155         0   0.34247E-02  464049.9 3808432.4  1097.8     3.40     4.00
3.16     YES
 L0000156         0   0.34247E-02  464041.3 3808432.5  1097.8     3.40     4.00
3.16     YES
 L0000157         0   0.34247E-02  464032.7 3808432.5  1097.9     3.40     4.00
3.16     YES
 L0000158         0   0.34247E-02  464024.1 3808432.5  1098.0     3.40     4.00
3.16     YES
 L0000159         0   0.34247E-02  464015.5 3808432.6  1098.0     3.40     4.00
3.16     YES
 L0000160         0   0.34247E-02  464006.9 3808432.6  1098.0     3.40     4.00
3.16     YES
```



```
                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
```

(METERS) BY
- - - -

```
 L0000184         0   0.34247E-02  463800.5 3808433.5  1099.8     3.40     4.00
3.16     YES
 L0000185         0   0.34247E-02  463791.9 3808433.5  1099.8     3.40     4.00
3.16     YES
 L0000186         0   0.34247E-02  463783.3 3808433.5  1099.8     3.40     4.00
3.16     YES
 L0000187         0   0.34247E-02  463774.7 3808433.6  1099.8     3.40     4.00
3.16     YES
 L0000188         0   0.34247E-02  463766.1 3808433.6  1099.9     3.40     4.00
3.16     YES
 L0000189         0   0.34247E-02  463757.5 3808433.6  1099.9     3.40     4.00
3.16     YES
 L0000190         0   0.34247E-02  463748.9 3808433.7  1100.0     3.40     4.00
3.16     YES
 L0000191         0   0.34247E-02  463740.3 3808433.7  1100.0     3.40     4.00
3.16     YES
 L0000192         0   0.34247E-02  463731.7 3808433.7  1100.0     3.40     4.00
3.16     YES
 L0000193         0   0.34247E-02  463723.1 3808433.8  1100.0     3.40     4.00
3.16     YES
 L0000194         0   0.34247E-02  463716.8 3808431.5  1100.1     3.40     4.00
3.16     YES
 L0000195         0   0.34247E-02  463716.8 3808422.9  1100.2     3.40     4.00
3.16     YES
 L0000196         0   0.34247E-02  463716.8 3808414.3  1100.5     3.40     4.00
3.16     YES
 L0000197         0   0.34247E-02  463716.8 3808405.7  1100.7     3.40     4.00
3.16     YES
 L0000198         0   0.34247E-02  463721.9 3808402.2  1100.8     3.40     4.00
3.16     YES
 L0000199         0   0.34247E-02  463730.5 3808402.2  1100.8     3.40     4.00
3.16     YES
 L0000200         0   0.34247E-02  463739.1 3808402.1  1100.8     3.40     4.00
3.16     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       13:53:49

                                  PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
```

(METERS) BY
- - - -

```
 L0000224         0   0.34247E-02  463945.5 3808401.3  1098.9     3.40     4.00
3.16     YES
 L0000225         0   0.34247E-02  463954.1 3808401.3  1098.9     3.40     4.00
3.16     YES
 L0000226         0   0.34247E-02  463962.7 3808401.2  1098.8     3.40     4.00
3.16     YES
 L0000227         0   0.34247E-02  463971.3 3808401.2  1098.8     3.40     4.00
3.16     YES
 L0000228         0   0.34247E-02  463979.9 3808401.2  1098.8     3.40     4.00
3.16     YES
 L0000229         0   0.34247E-02  463988.5 3808401.1  1098.8     3.40     4.00
3.16     YES
 L0000230         0   0.34247E-02  463997.1 3808401.1  1098.6     3.40     4.00
3.16     YES
 L0000231         0   0.34247E-02  464005.7 3808401.0  1098.4     3.40     4.00
3.16     YES
 L0000232         0   0.34247E-02  464014.3 3808401.0  1098.2     3.40     4.00
3.16     YES
 L0000233         0   0.34247E-02  464022.9 3808401.0  1098.0     3.40     4.00
3.16     YES
 L0000234         0   0.34247E-02  464031.5 3808400.9  1098.0     3.40     4.00
3.16     YES
 L0000235         0   0.34247E-02  464040.1 3808400.9  1098.0     3.40     4.00
3.16     YES
 L0000236         0   0.34247E-02  464048.7 3808400.9  1098.0     3.40     4.00
3.16     YES
 L0000237         0   0.34247E-02  464057.3 3808400.8  1098.0     3.40     4.00
3.16     YES
 L0000238         0   0.34247E-02  464065.9 3808400.8  1098.0     3.40     4.00
3.16     YES
 L0000239         0   0.34247E-02  464074.5 3808400.8  1098.0     3.40     4.00
3.16     YES
 L0000240         0   0.34247E-02  464083.1 3808400.7  1098.0     3.40     4.00
3.16     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        13:53:49

                                   PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
```

(METERS) BY
- - - -

```
 L0000264         0   0.34247E-02  463960.6 3808371.7  1099.8     3.40     4.00
3.16     YES
 L0000265         0   0.34247E-02  463952.0 3808371.7  1099.8     3.40     4.00
3.16     YES
 L0000266         0   0.34247E-02  463943.4 3808371.7  1099.8     3.40     4.00
3.16     YES
 L0000267         0   0.34247E-02  463934.8 3808371.7  1099.8     3.40     4.00
3.16     YES
 L0000268         0   0.34247E-02  463926.2 3808371.7  1099.8     3.40     4.00
3.16     YES
 L0000269         0   0.34247E-02  463917.6 3808371.7  1099.9     3.40     4.00
3.16     YES
 L0000270         0   0.34247E-02  463909.0 3808371.7  1099.9     3.40     4.00
3.16     YES
 L0000271         0   0.34247E-02  463900.4 3808371.7  1100.0     3.40     4.00
3.16     YES
 L0000272         0   0.34247E-02  463891.8 3808371.7  1100.0     3.40     4.00
3.16     YES
 L0000273         0   0.34247E-02  463883.2 3808371.7  1100.0     3.40     4.00
3.16     YES
 L0000274         0   0.34247E-02  463874.6 3808371.7  1100.0     3.40     4.00
3.16     YES
 L0000275         0   0.34247E-02  463866.0 3808371.7  1100.1     3.40     4.00
3.16     YES
 L0000276         0   0.34247E-02  463857.4 3808371.7  1100.3     3.40     4.00
3.16     YES
 L0000277         0   0.34247E-02  463848.8 3808371.7  1100.6     3.40     4.00
3.16     YES
 L0000278         0   0.34247E-02  463840.2 3808371.7  1100.8     3.40     4.00
3.16     YES
 L0000279         0   0.34247E-02  463831.6 3808371.7  1100.8     3.40     4.00
3.16     YES
 L0000280         0   0.34247E-02  463823.0 3808371.7  1100.8     3.40     4.00
3.16     YES
```


 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY
L0000264	0	0.34247E-02	463960.6	3808371.7	1099.8	3.40	4.00	3.16	YES	
L0000265	0	0.34247E-02	463952.0	3808371.7	1099.8	3.40	4.00	3.16	YES	
L0000266	0	0.34247E-02	463943.4	3808371.7	1099.8	3.40	4.00	3.16	YES	
L0000267	0	0.34247E-02	463934.8	3808371.7	1099.8	3.40	4.00	3.16	YES	
L0000268	0	0.34247E-02	463926.2	3808371.7	1099.8	3.40	4.00	3.16	YES	
L0000269	0	0.34247E-02	463917.6	3808371.7	1099.9	3.40	4.00	3.16	YES	
L0000270	0	0.34247E-02	463909.0	3808371.7	1099.9	3.40	4.00	3.16	YES	
L0000271	0	0.34247E-02	463900.4	3808371.7	1100.0	3.40	4.00	3.16	YES	
L0000272	0	0.34247E-02	463891.8	3808371.7	1100.0	3.40	4.00	3.16	YES	
L0000273	0	0.34247E-02	463883.2	3808371.7	1100.0	3.40	4.00	3.16	YES	
L0000274	0	0.34247E-02	463874.6	3808371.7	1100.0	3.40	4.00	3.16	YES	
L0000275	0	0.34247E-02	463866.0	3808371.7	1100.1	3.40	4.00	3.16	YES	
L0000276	0	0.34247E-02	463857.4	3808371.7	1100.3	3.40	4.00	3.16	YES	
L0000277	0	0.34247E-02	463848.8	3808371.7	1100.6	3.40	4.00	3.16	YES	
L0000278	0	0.34247E-02	463840.2	3808371.7	1100.8	3.40	4.00	3.16	YES	
L0000279	0	0.34247E-02	463831.6	3808371.7	1100.8	3.40	4.00	3.16	YES	
L0000280	0	0.34247E-02	463823.0	3808371.7	1100.8	3.40	4.00	3.16	YES	

(METERS) BY
 - - -

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L0000022    , L0000023    , L0000024    ,

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L0000030    , L0000031    , L0000032    ,

             L0000033    , L0000034    , L0000035    , L0000036    , L0000037    ,
L0000038    , L0000039    , L0000040    ,

             L0000041    , L0000042    , L0000043    , L0000044    , L0000045    ,
L0000046    , L0000047    , L0000048    ,

             L0000049    , L0000050    , L0000051    , L0000052    , L0000053    ,
L0000054    , L0000055    , L0000056    ,

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L0000062    , L0000063    , L0000064    ,

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L0000070    , L0000071    , L0000072    ,

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L0000078    , L0000079    , L0000080    ,

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L0000086    , L0000087    , L0000088    ,

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L0000102    , L0000103    , L0000104    ,

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L0000110    , L0000111    , L0000112    ,

             L0000113    , L0000114    , L0000115    , L0000116    , L0000117    ,
L0000118    , L0000119    , L0000120    ,

             L0000121    , L0000122    , L0000123    , L0000124    , L0000125    ,
L0000126    , L0000127    , L0000128    ,

             L0000129    , L0000130    , L0000131    , L0000132    , L0000133    ,
L0000134    , L0000135    , L0000136    ,

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L0000142    , L0000143    , L0000144    ,

             L0000145    , L0000146    , L0000147    , L0000148    , L0000149    ,
L0000150    , L0000151    , L0000152    ,
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 ,
	L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 , L0000176 ,
	L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 , L0000184 ,
	L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 ,
	L0000193 , L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 ,
	L0000201 , L0000202 , L0000203 , L0000204 , L0000205 , L0000206 , L0000207 , L0000208 ,
	L0000209 , L0000210 , L0000211 , L0000212 , L0000213 , L0000214 , L0000215 , L0000216 ,
	L0000217 , L0000218 , L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 ,
	L0000225 , L0000226 , L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 ,
	L0000233 , L0000234 , L0000235 , L0000236 , L0000237 , L0000238 , L0000239 , L0000240 ,
	L0000241 , L0000242 , L0000243 , L0000244 , L0000245 , L0000246 , L0000247 , L0000248 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	2180000.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
		L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
		L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
		L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
		L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
		L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,

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L0000062    , L0000063    , L0000064    ,

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L0000070    , L0000071    , L0000072    ,

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L0000078    , L0000079    , L0000080    ,

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L0000086    , L0000087    , L0000088    ,

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L0000094    , L0000095    , L0000096    ,

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L0000102    , L0000103    , L0000104    ,

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L0000110    , L0000111    , L0000112    ,

             L0000113    , L0000114    , L0000115    , L0000116    , L0000117    ,
L0000118    , L0000119    , L0000120    ,

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L0000126    , L0000127    , L0000128    ,

             L0000129    , L0000130    , L0000131    , L0000132    , L0000133    ,
L0000134    , L0000135    , L0000136    ,

             L0000137    , L0000138    , L0000139    , L0000140    , L0000141    ,
L0000142    , L0000143    , L0000144    ,

             L0000145    , L0000146    , L0000147    , L0000148    , L0000149    ,
L0000150    , L0000151    , L0000152    ,

             L0000153    , L0000154    , L0000155    , L0000156    , L0000157    ,
L0000158    , L0000159    , L0000160    ,
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       13:53:49

                                  PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
```

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 ,
		L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 , L0000176 ,
		L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 , L0000184 ,
		L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 ,
		L0000193 , L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 ,
		L0000201 , L0000202 , L0000203 , L0000204 , L0000205 , L0000206 , L0000207 , L0000208 ,
		L0000209 , L0000210 , L0000211 , L0000212 , L0000213 , L0000214 , L0000215 , L0000216 ,
		L0000217 , L0000218 , L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 ,
		L0000225 , L0000226 , L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 ,
		L0000233 , L0000234 , L0000235 , L0000236 , L0000237 , L0000238 , L0000239 , L0000240 ,
		L0000241 , L0000242 , L0000243 , L0000244 , L0000245 , L0000246 , L0000247 , L0000248 ,
		L0000249 , L0000250 , L0000251 , L0000252 , L0000253 , L0000254 , L0000255 , L0000256 ,
		L0000257 , L0000258 , L0000259 , L0000260 , L0000261 , L0000262 , L0000263 , L0000264 ,
		L0000265 , L0000266 , L0000267 , L0000268 , L0000269 , L0000270 , L0000271 , L0000272 ,

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(462160.5, 3809377.8, 1098.0, 1098.0, 0.0); (462051.5, 3809270.6, 1100.0, 1100.0, 0.0);
(462014.5, 3809029.1, 1104.0, 1104.0, 0.0); (462010.6, 3808855.8, 1107.0, 1107.0, 0.0);
(461936.6, 3808886.9, 1107.0, 1107.0, 0.0); (461936.6, 3808997.9, 1105.4, 1105.4, 0.0);
(461909.3, 3808768.1, 1109.2, 1109.2, 0.0); (461835.3, 3808894.7, 1107.4, 1107.4, 0.0);
(461845.0, 3808996.0, 1106.0, 1106.0, 0.0); (461833.3, 3809114.8, 1104.0, 1104.0, 0.0);
(461843.1, 3809210.2, 1103.0, 1103.0, 0.0); (461810.0, 3809297.9, 1101.9, 1101.9, 0.0);
(461856.7, 3809385.5, 1100.0, 1100.0, 0.0); (461841.1, 3809482.9, 1098.0, 1098.0, 0.0);
(462004.7, 3809379.7, 1099.0, 1099.0, 0.0); (461763.2, 3808793.4, 1110.0, 1110.0, 0.0);
(461753.5, 3808699.9, 1110.0, 1110.0, 0.0); (461835.3, 3808686.3, 1111.0, 1111.0, 0.0);
(461823.6, 3808579.2, 1113.9, 1113.9, 0.0); (461761.3, 3808585.0, 1114.1, 1114.1, 0.0);
(462301.2, 3807807.1, 1122.2, 1122.2, 0.0); (462304.8, 3807868.2, 1121.3, 1121.3, 0.0);
(462216.8, 3807882.5, 1122.1, 1122.1, 0.0); (462116.3, 3807886.1, 1123.0, 1123.0, 0.0);
(462114.5, 3807789.2, 1125.2, 1125.2, 0.0); (462012.2, 3807887.9, 1123.9, 1123.9, 0.0);
(462008.7, 3807975.8, 1122.0, 1122.0, 0.0); (461917.1, 3807972.2, 1123.1, 1123.1, 0.0);
(461922.5, 3808187.6, 1119.0, 1119.0, 0.0); (461908.2, 3808288.1, 1117.6, 1117.6, 0.0);
(461848.9, 3808377.8, 1116.2, 1116.2, 0.0); (461831.0,

3808494.5,   1114.7,   1114.7,   0.0);
     (462421.4, 3808394.0,   1110.0,   1110.0,   0.0);   (462459.1,
3808501.7,   1108.5,   1108.5,   0.0);
     (462437.6, 3808580.6,   1107.6,   1107.6,   0.0);   (462654.7,
3809189.0,   1096.6,   1096.6,   0.0);
     (462559.5, 3809194.3,   1097.0,   1097.0,   0.0);   (465763.9,
3807935.2,   1085.9,   1085.9,   0.0);
     (465819.8, 3807935.2,   1085.0,   1085.0,   0.0);   (465875.8,
3807935.2,   1084.0,   1084.0,   0.0);
     (465931.8, 3807935.2,   1083.1,   1083.1,   0.0);   (465987.8,
3807935.2,   1082.1,   1082.1,   0.0);
     (466043.8, 3807935.2,   1081.2,   1081.2,   0.0);   (466099.7,
3807935.2,   1080.2,   1080.2,   0.0);
     (466155.7, 3807935.2,   1079.3,   1079.3,   0.0);   (466211.7,
3807935.2,   1078.3,   1078.3,   0.0);
     (466267.7, 3807935.2,   1077.4,   1077.4,   0.0);   (466323.7,
3807935.2,   1076.2,   1076.2,   0.0);
     (466379.6, 3807935.2,   1075.3,   1075.3,   0.0);   (466435.6,
3807935.2,   1074.5,   1074.5,   0.0);
     (466491.6, 3807935.2,   1073.6,   1073.6,   0.0);   (466547.6,
3807935.2,   1072.0,   1072.0,   0.0);
     (466603.6, 3807935.2,   1071.0,   1071.0,   0.0);   (466659.5,
3807935.2,   1070.0,   1070.0,   0.0);
     (466715.5, 3807935.2,   1069.0,   1069.0,   0.0);   (466771.5,
3807935.2,   1068.0,   1068.0,   0.0);
     (466827.5, 3807935.2,   1066.6,   1066.6,   0.0);   (466883.5,
3807935.2,   1065.5,   1065.5,   0.0);
     (465763.9, 3808001.4,   1084.9,   1084.9,   0.0);   (465819.8,
3808001.4,   1084.0,   1084.0,   0.0);
     (465875.8, 3808001.4,   1083.0,   1083.0,   0.0);   (465931.8,
3808001.4,   1082.0,   1082.0,   0.0);
     (465987.8, 3808001.4,   1081.4,   1081.4,   0.0);   (466043.8,
3808001.4,   1080.1,   1080.1,   0.0);
     (466099.7, 3808001.4,   1079.7,   1079.7,   0.0);   (466155.7,
3808001.4,   1078.8,   1078.8,   0.0);
     (466211.7, 3808001.4,   1078.0,   1078.0,   0.0);   (466267.7,
3808001.4,   1077.0,   1077.0,   0.0);
     (466323.7, 3808001.4,   1076.0,   1076.0,   0.0);   (466379.6,
3808001.4,   1075.0,   1075.0,   0.0);
     (466435.6, 3808001.4,   1074.0,   1074.0,   0.0);   (466491.6,
3808001.4,   1073.0,   1073.0,   0.0);
     (466547.6, 3808001.4,   1071.8,   1071.8,   0.0);   (466603.6,
3808001.4,   1070.9,   1070.9,   0.0);
     (466659.5, 3808001.4,   1070.0,   1070.0,   0.0);   (466715.5,
3808001.4,   1068.3,   1068.3,   0.0);
     (466771.5, 3808001.4,   1067.4,   1067.4,   0.0);   (466827.5,
3808001.4,   1066.4,   1066.4,   0.0);
     (466883.5, 3808001.4,   1065.1,   1065.1,   0.0);   (465763.9,
3808067.6,   1084.0,   1084.0,   0.0);
     (465819.8, 3808067.6,   1083.0,   1083.0,   0.0);   (465875.8,

3808067.6,   1082.1,   1082.1,   0.0);
     (465931.8, 3808067.6,   1081.2,   1081.2,   0.0);   (465987.8,
3808067.6,   1080.4,   1080.4,   0.0);
     (466043.8, 3808067.6,   1079.5,   1079.5,   0.0);   (466099.7,
3808067.6,   1078.6,   1078.6,   0.0);
     (466155.7, 3808067.6,   1077.8,   1077.8,   0.0);   (466211.7,
3808067.6,   1076.9,   1076.9,   0.0);
     (466267.7, 3808067.6,   1076.0,   1076.0,   0.0);   (466323.7,
3808067.6,   1075.0,   1075.0,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (466379.6, 3808067.6,   1074.0,   1074.0,   0.0);   (466435.6,
3808067.6,   1073.5,   1073.5,   0.0);
     (466491.6, 3808067.6,   1072.0,   1072.0,   0.0);   (466547.6,
3808067.6,   1071.0,   1071.0,   0.0);
     (466603.6, 3808067.6,   1070.0,   1070.0,   0.0);   (466659.5,
3808067.6,   1069.0,   1069.0,   0.0);
     (466715.5, 3808067.6,   1068.1,   1068.1,   0.0);   (466771.5,
3808067.6,   1067.3,   1067.3,   0.0);
     (466827.5, 3808067.6,   1066.0,   1066.0,   0.0);   (466883.5,
3808067.6,   1064.5,   1064.5,   0.0);
     (465763.9, 3808133.8,   1083.0,   1083.0,   0.0);   (465819.8,
3808133.8,   1082.0,   1082.0,   0.0);
     (465875.8, 3808133.8,   1081.1,   1081.1,   0.0);   (465931.8,
3808133.8,   1080.2,   1080.2,   0.0);
     (465987.8, 3808133.8,   1079.8,   1079.8,   0.0);   (466043.8,
3808133.8,   1078.9,   1078.9,   0.0);
     (466099.7, 3808133.8,   1077.9,   1077.9,   0.0);   (466155.7,
3808133.8,   1077.0,   1077.0,   0.0);
     (466211.7, 3808133.8,   1076.0,   1076.0,   0.0);   (466267.7,
3808133.8,   1075.0,   1075.0,   0.0);
     (466323.7, 3808133.8,   1074.1,   1074.1,   0.0);   (466379.6,
3808133.8,   1073.3,   1073.3,   0.0);
     (466435.6, 3808133.8,   1072.5,   1072.5,   0.0);   (466491.6,
3808133.8,   1071.6,   1071.6,   0.0);
     (466547.6, 3808133.8,   1070.5,   1070.5,   0.0);   (466603.6,
3808133.8,   1069.6,   1069.6,   0.0);
     (466659.5, 3808133.8,   1068.8,   1068.8,   0.0);   (466715.5,
3808133.8,   1067.8,   1067.8,   0.0);
     (466771.5, 3808133.8,   1066.3,   1066.3,   0.0);   (466827.5,

3808133.8,   1065.4,   1065.4,   0.0);
     (466883.5, 3808133.8,   1064.4,   1064.4,   0.0);   (465763.9,
3808200.1,   1081.9,   1081.9,   0.0);
     (465819.8, 3808200.1,   1081.0,   1081.0,   0.0);   (465875.8,
3808200.1,   1080.1,   1080.1,   0.0);
     (465931.8, 3808200.1,   1079.7,   1079.7,   0.0);   (465987.8,
3808200.1,   1078.7,   1078.7,   0.0);
     (466043.8, 3808200.1,   1077.8,   1077.8,   0.0);   (466099.7,
3808200.1,   1076.8,   1076.8,   0.0);
     (466155.7, 3808200.1,   1075.9,   1075.9,   0.0);   (466211.7,
3808200.1,   1075.0,   1075.0,   0.0);
     (466267.7, 3808200.1,   1074.0,   1074.0,   0.0);   (466323.7,
3808200.1,   1073.6,   1073.6,   0.0);
     (466379.6, 3808200.1,   1072.7,   1072.7,   0.0);   (466435.6,
3808200.1,   1071.8,   1071.8,   0.0);
     (466491.6, 3808200.1,   1070.8,   1070.8,   0.0);   (466547.6,
3808200.1,   1069.9,   1069.9,   0.0);
     (466603.6, 3808200.1,   1068.9,   1068.9,   0.0);   (466659.5,
3808200.1,   1068.0,   1068.0,   0.0);
     (466715.5, 3808200.1,   1067.1,   1067.1,   0.0);   (466771.5,
3808200.1,   1066.0,   1066.0,   0.0);
     (466827.5, 3808200.1,   1064.7,   1064.7,   0.0);   (466883.5,
3808200.1,   1063.8,   1063.8,   0.0);
     (465763.9, 3808266.3,   1080.3,   1080.3,   0.0);   (465819.8,
3808266.3,   1080.0,   1080.0,   0.0);
     (465875.8, 3808266.3,   1079.4,   1079.4,   0.0);   (465931.8,
3808266.3,   1078.5,   1078.5,   0.0);
     (465987.8, 3808266.3,   1077.6,   1077.6,   0.0);   (466043.8,
3808266.3,   1076.7,   1076.7,   0.0);
     (466099.7, 3808266.3,   1075.8,   1075.8,   0.0);   (466155.7,
3808266.3,   1074.9,   1074.9,   0.0);
     (466211.7, 3808266.3,   1074.0,   1074.0,   0.0);   (466267.7,
3808266.3,   1073.4,   1073.4,   0.0);
     (466323.7, 3808266.3,   1072.5,   1072.5,   0.0);   (466379.6,
3808266.3,   1072.0,   1072.0,   0.0);
     (466435.6, 3808266.3,   1071.2,   1071.2,   0.0);   (466491.6,
3808266.3,   1070.0,   1070.0,   0.0);
     (466547.6, 3808266.3,   1069.0,   1069.0,   0.0);   (466603.6,
3808266.3,   1068.0,   1068.0,   0.0);
     (466659.5, 3808266.3,   1067.3,   1067.3,   0.0);   (466715.5,
3808266.3,   1066.1,   1066.1,   0.0);
     (466771.5, 3808266.3,   1065.3,   1065.3,   0.0);   (466827.5,
3808266.3,   1064.1,   1064.1,   0.0);
     (466883.5, 3808266.3,   1063.2,   1063.2,   0.0);   (465763.9,
3808332.5,   1079.1,   1079.1,   0.0);
     (465819.8, 3808332.5,   1079.1,   1079.1,   0.0);   (465875.8,
3808332.5,   1078.2,   1078.2,   0.0);
     (465931.8, 3808332.5,   1077.4,   1077.4,   0.0);   (465987.8,
3808332.5,   1076.5,   1076.5,   0.0);
     (466043.8, 3808332.5,   1075.6,   1075.6,   0.0);   (466099.7,

3808332.5,   1074.7,   1074.7,   0.0);
     (466155.7, 3808332.5,   1074.0,   1074.0,   0.0);   (466211.7,
3808332.5,   1073.1,   1073.1,   0.0);
     (466267.7, 3808332.5,   1072.2,   1072.2,   0.0);   (466323.7,
3808332.5,   1072.0,   1072.0,   0.0);
     (466379.6, 3808332.5,   1071.0,   1071.0,   0.0);   (466435.6,
3808332.5,   1070.1,   1070.1,   0.0);
     (466491.6, 3808332.5,   1069.1,   1069.1,   0.0);   (466547.6,
3808332.5,   1068.1,   1068.1,   0.0);
     (466603.6, 3808332.5,   1067.9,   1067.9,   0.0);   (466659.5,
3808332.5,   1067.0,   1067.0,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (466715.5, 3808332.5,   1066.0,   1066.0,   0.0);   (466771.5,
3808332.5,   1064.4,   1064.4,   0.0);
     (466827.5, 3808332.5,   1063.5,   1063.5,   0.0);   (466883.5,
3808332.5,   1062.5,   1062.5,   0.0);
     (465763.9, 3808398.7,   1078.0,   1078.0,   0.0);   (465819.8,
3808398.7,   1077.9,   1077.9,   0.0);
     (465875.8, 3808398.7,   1077.0,   1077.0,   0.0);   (465931.8,
3808398.7,   1076.2,   1076.2,   0.0);
     (465987.8, 3808398.7,   1075.4,   1075.4,   0.0);   (466043.8,
3808398.7,   1074.5,   1074.5,   0.0);
     (466099.7, 3808398.7,   1074.0,   1074.0,   0.0);   (466155.7,
3808398.7,   1073.0,   1073.0,   0.0);
     (466211.7, 3808398.7,   1072.0,   1072.0,   0.0);   (466267.7,
3808398.7,   1071.9,   1071.9,   0.0);
     (466323.7, 3808398.7,   1070.9,   1070.9,   0.0);   (466379.6,
3808398.7,   1070.0,   1070.0,   0.0);
     (466435.6, 3808398.7,   1069.4,   1069.4,   0.0);   (466491.6,
3808398.7,   1068.6,   1068.6,   0.0);
     (466547.6, 3808398.7,   1067.7,   1067.7,   0.0);   (466603.6,
3808398.7,   1066.9,   1066.9,   0.0);
     (466659.5, 3808398.7,   1066.0,   1066.0,   0.0);   (466715.5,
3808398.7,   1064.9,   1064.9,   0.0);
     (466771.5, 3808398.7,   1064.0,   1064.0,   0.0);   (466827.5,
3808398.7,   1063.0,   1063.0,   0.0);
     (466883.5, 3808398.7,   1062.0,   1062.0,   0.0);   (465763.9,
3808464.9,   1077.0,   1077.0,   0.0);
     (465819.8, 3808464.9,   1076.7,   1076.7,   0.0);   (465875.8,

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3808464.9,    1075.8,    1075.8,       0.0);
     ( 465931.8, 3808464.9,    1075.0,    1075.0,       0.0);         ( 465987.8,
3808464.9,    1074.3,    1074.3,       0.0);
     ( 466043.8, 3808464.9,    1073.9,    1073.9,       0.0);         ( 466099.7,
3808464.9,    1072.9,    1072.9,       0.0);
     ( 466155.7, 3808464.9,    1071.9,    1071.9,       0.0);         ( 466211.7,
3808464.9,    1071.0,    1071.0,       0.0);
     ( 466267.7, 3808464.9,    1070.7,    1070.7,       0.0);         ( 466323.7,
3808464.9,    1069.8,    1069.8,       0.0);
     ( 466379.6, 3808464.9,    1069.2,    1069.2,       0.0);         ( 466435.6,
3808464.9,    1068.3,    1068.3,       0.0);
     ( 466491.6, 3808464.9,    1067.9,    1067.9,       0.0);         ( 466547.6,
3808464.9,    1066.9,    1066.9,       0.0);
     ( 466603.6, 3808464.9,    1066.0,    1066.0,       0.0);         ( 466659.5,
3808464.9,    1065.0,    1065.0,       0.0);
     ( 466715.5, 3808464.9,    1064.1,    1064.1,       0.0);         ( 466771.5,
3808464.9,    1063.2,    1063.2,       0.0);
     ( 466827.5, 3808464.9,    1062.3,    1062.3,       0.0);         ( 466883.5,
3808464.9,    1061.4,    1061.4,       0.0);
     ( 465763.9, 3808531.2,    1076.4,    1076.4,       0.0);         ( 465819.8,
3808531.2,    1075.5,    1075.5,       0.0);
     ( 465875.8, 3808531.2,    1074.6,    1074.6,       0.0);         ( 465931.8,
3808531.2,    1073.6,    1073.6,       0.0);
     ( 465987.8, 3808531.2,    1073.2,    1073.2,       0.0);         ( 466043.8,
3808531.2,    1072.5,    1072.5,       0.0);
     ( 466099.7, 3808531.2,    1071.8,    1071.8,       0.0);         ( 466155.7,
3808531.2,    1070.9,    1070.9,       0.0);
     ( 466211.7, 3808531.2,    1070.0,    1070.0,       0.0);         ( 466267.7,
3808531.2,    1069.5,    1069.5,       0.0);
     ( 466323.7, 3808531.2,    1069.0,    1069.0,       0.0);         ( 466379.6,
3808531.2,    1068.2,    1068.2,       0.0);
     ( 466435.6, 3808531.2,    1067.7,    1067.7,       0.0);         ( 466491.6,
3808531.2,    1066.8,    1066.8,       0.0);
     ( 466547.6, 3808531.2,    1065.9,    1065.9,       0.0);         ( 466603.6,
3808531.2,    1064.9,    1064.9,       0.0);
     ( 466659.5, 3808531.2,    1064.0,    1064.0,       0.0);         ( 466715.5,
3808531.2,    1063.1,    1063.1,       0.0);
     ( 466771.5, 3808531.2,    1062.1,    1062.1,       0.0);         ( 466827.5,
3808531.2,    1061.4,    1061.4,       0.0);
     ( 466883.5, 3808531.2,    1060.5,    1060.5,       0.0);         ( 465763.9,
3808597.4,    1075.2,    1075.2,       0.0);
     ( 465819.8, 3808597.4,    1075.0,    1075.0,       0.0);         ( 465875.8,
3808597.4,    1074.0,    1074.0,       0.0);
     ( 465931.8, 3808597.4,    1072.5,    1072.5,       0.0);         ( 465987.8,
3808597.4,    1072.0,    1072.0,       0.0);
     ( 466043.8, 3808597.4,    1071.7,    1071.7,       0.0);         ( 466099.7,
3808597.4,    1070.8,    1070.8,       0.0);
     ( 466155.7, 3808597.4,    1070.0,    1070.0,       0.0);         ( 466211.7,
3808597.4,    1069.3,    1069.3,       0.0);
     ( 466267.7, 3808597.4,    1068.3,    1068.3,       0.0);         ( 466323.7,
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3808597.4,   1068.0,   1068.0,   0.0);
     (466379.6, 3808597.4,   1067.5,   1067.5,   0.0);   (466435.6,
3808597.4,   1066.6,   1066.6,   0.0);
     (466491.6, 3808597.4,   1066.0,   1066.0,   0.0);   (466547.6,
3808597.4,   1065.2,   1065.2,   0.0);
     (466603.6, 3808597.4,   1064.3,   1064.3,   0.0);   (466659.5,
3808597.4,   1063.3,   1063.3,   0.0);
     (466715.5, 3808597.4,   1062.4,   1062.4,   0.0);   (466771.5,
3808597.4,   1061.5,   1061.5,   0.0);
     (466827.5, 3808597.4,   1060.6,   1060.6,   0.0);   (466883.5,
3808597.4,   1060.0,   1060.0,   0.0);
     (465763.9, 3808663.6,   1074.1,   1074.1,   0.0);   (465819.8,
3808663.6,   1074.0,   1074.0,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                    *** DISCRETE CARTESIAN RECEPTORS ***
                                  (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                           (METERS)

     (465875.8, 3808663.6,   1073.1,   1073.1,   0.0);   (465931.8,
3808663.6,   1072.3,   1072.3,   0.0);
     (465987.8, 3808663.6,   1071.5,   1071.5,   0.0);   (466043.8,
3808663.6,   1070.6,   1070.6,   0.0);
     (466099.7, 3808663.6,   1070.0,   1070.0,   0.0);   (466155.7,
3808663.6,   1069.1,   1069.1,   0.0);
     (466211.7, 3808663.6,   1068.1,   1068.1,   0.0);   (466267.7,
3808663.6,   1067.1,   1067.1,   0.0);
     (466323.7, 3808663.6,   1067.0,   1067.0,   0.0);   (466379.6,
3808663.6,   1066.1,   1066.1,   0.0);
     (466435.6, 3808663.6,   1066.0,   1066.0,   0.0);   (466491.6,
3808663.6,   1065.0,   1065.0,   0.0);
     (466547.6, 3808663.6,   1064.1,   1064.1,   0.0);   (466603.6,
3808663.6,   1063.1,   1063.1,   0.0);
     (466659.5, 3808663.6,   1062.1,   1062.1,   0.0);   (466715.5,
3808663.6,   1061.2,   1061.2,   0.0);
     (466771.5, 3808663.6,   1060.3,   1060.3,   0.0);   (466827.5,
3808663.6,   1060.0,   1060.0,   0.0);
     (466883.5, 3808663.6,   1059.0,   1059.0,   0.0);   (465763.9,
3808729.8,   1073.9,   1073.9,   0.0);
     (465819.8, 3808729.8,   1074.0,   1074.0,   0.0);   (465875.8,
3808729.8,   1073.1,   1073.1,   0.0);
     (465931.8, 3808729.8,   1072.0,   1072.0,   0.0);   (465987.8,
3808729.8,   1070.9,   1070.9,   0.0);
     (466043.8, 3808729.8,   1069.9,   1069.9,   0.0);   (466099.7,

```
3808729.8,    1069.0,    1069.0,       0.0);
     ( 466155.7, 3808729.8,    1068.0,    1068.0,       0.0);         ( 466211.7,
3808729.8,    1067.0,    1067.0,       0.0);
     ( 466267.7, 3808729.8,    1066.1,    1066.1,       0.0);         ( 466323.7,
3808729.8,    1065.9,    1065.9,       0.0);
     ( 466379.6, 3808729.8,    1065.3,    1065.3,       0.0);         ( 466435.6,
3808729.8,    1064.4,    1064.4,       0.0);
     ( 466491.6, 3808729.8,    1064.0,    1064.0,       0.0);         ( 466547.6,
3808729.8,    1063.0,    1063.0,       0.0);
     ( 466603.6, 3808729.8,    1062.0,    1062.0,       0.0);         ( 466659.5,
3808729.8,    1061.9,    1061.9,       0.0);
     ( 466715.5, 3808729.8,    1060.9,    1060.9,       0.0);         ( 466771.5,
3808729.8,    1060.0,    1060.0,       0.0);
     ( 466827.5, 3808729.8,    1059.4,    1059.4,       0.0);         ( 466883.5,
3808729.8,    1058.5,    1058.5,       0.0);
     ( 465763.9, 3808796.0,    1072.7,    1072.7,       0.0);         ( 465819.8,
3808796.0,    1073.7,    1073.7,       0.0);
     ( 465875.8, 3808796.0,    1072.1,    1072.1,       0.0);         ( 465931.8,
3808796.0,    1071.3,    1071.3,       0.0);
     ( 465987.8, 3808796.0,    1070.3,    1070.3,       0.0);         ( 466043.8,
3808796.0,    1069.4,    1069.4,       0.0);
     ( 466099.7, 3808796.0,    1068.5,    1068.5,       0.0);         ( 466155.7,
3808796.0,    1067.5,    1067.5,       0.0);
     ( 466211.7, 3808796.0,    1066.6,    1066.6,       0.0);         ( 466267.7,
3808796.0,    1065.7,    1065.7,       0.0);
     ( 466323.7, 3808796.0,    1065.0,    1065.0,       0.0);         ( 466379.6,
3808796.0,    1064.2,    1064.2,       0.0);
     ( 466435.6, 3808796.0,    1063.8,    1063.8,       0.0);         ( 466491.6,
3808796.0,    1062.9,    1062.9,       0.0);
     ( 466547.6, 3808796.0,    1062.0,    1062.0,       0.0);         ( 466603.6,
3808796.0,    1061.6,    1061.6,       0.0);
     ( 466659.5, 3808796.0,    1060.7,    1060.7,       0.0);         ( 466715.5,
3808796.0,    1060.0,    1060.0,       0.0);
     ( 466771.5, 3808796.0,    1059.2,    1059.2,       0.0);         ( 466827.5,
3808796.0,    1058.3,    1058.3,       0.0);
     ( 466883.5, 3808796.0,    1057.8,    1057.8,       0.0);         ( 465763.9,
3808862.3,    1070.5,    1070.5,       0.0);
     ( 465819.8, 3808862.3,    1070.9,    1070.9,       0.0);         ( 465875.8,
3808862.3,    1071.0,    1071.0,       0.0);
     ( 465931.8, 3808862.3,    1070.1,    1070.1,       0.0);         ( 465987.8,
3808862.3,    1069.2,    1069.2,       0.0);
     ( 466043.8, 3808862.3,    1068.2,    1068.2,       0.0);         ( 466099.7,
3808862.3,    1067.7,    1067.7,       0.0);
     ( 466155.7, 3808862.3,    1066.4,    1066.4,       0.0);         ( 466211.7,
3808862.3,    1065.4,    1065.4,       0.0);
     ( 466267.7, 3808862.3,    1065.0,    1065.0,       0.0);         ( 466323.7,
3808862.3,    1064.1,    1064.1,       0.0);
     ( 466379.6, 3808862.3,    1063.5,    1063.5,       0.0);         ( 466435.6,
3808862.3,    1062.7,    1062.7,       0.0);
     ( 466491.6, 3808862.3,    1062.0,    1062.0,       0.0);         ( 466547.6,
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                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                        (METERS)

     (466211.7, 3808928.5,   1065.0,   1065.0,   0.0);   (466267.7,
3808928.5,   1064.0,   1064.0,   0.0);
     (466323.7, 3808928.5,   1063.0,   1063.0,   0.0);   (466379.6,
3808928.5,   1062.1,   1062.1,   0.0);
     (466435.6, 3808928.5,   1061.6,   1061.6,   0.0);   (466491.6,
3808928.5,   1061.0,   1061.0,   0.0);
     (466547.6, 3808928.5,   1060.2,   1060.2,   0.0);   (466603.6,
3808928.5,   1059.9,   1059.9,   0.0);
     (466659.5, 3808928.5,   1059.0,   1059.0,   0.0);   (466715.5,
3808928.5,   1058.4,   1058.4,   0.0);
     (466771.5, 3808928.5,   1057.5,   1057.5,   0.0);   (466827.5,
3808928.5,   1057.0,   1057.0,   0.0);
     (466883.5, 3808928.5,   1056.1,   1056.1,   0.0);   (465763.9,
3808994.7,   1066.8,   1066.8,   0.0);
     (465819.8, 3808994.7,   1066.0,   1066.0,   0.0);   (465875.8,
3808994.7,   1066.0,   1066.0,   0.0);
     (465931.8, 3808994.7,   1066.8,   1066.8,   0.0);   (465987.8,
3808994.7,   1067.6,   1067.6,   0.0);
     (466043.8, 3808994.7,   1067.0,   1067.0,   0.0);   (466099.7,
3808994.7,   1066.0,   1066.0,   0.0);
     (466155.7, 3808994.7,   1064.8,   1064.8,   0.0);   (466211.7,
3808994.7,   1064.0,   1064.0,   0.0);
     (466267.7, 3808994.7,   1063.1,   1063.1,   0.0);   (466323.7,

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3808994.7,    1062.2,    1062.2,       0.0);
     ( 466379.6, 3808994.7,    1061.4,    1061.4,       0.0);         ( 466435.6,
3808994.7,    1060.5,    1060.5,       0.0);
     ( 466491.6, 3808994.7,    1060.0,    1060.0,       0.0);         ( 466547.6,
3808994.7,    1059.8,    1059.8,       0.0);
     ( 466603.6, 3808994.7,    1059.0,    1059.0,       0.0);         ( 466659.5,
3808994.7,    1058.1,    1058.1,       0.0);
     ( 466715.5, 3808994.7,    1058.0,    1058.0,       0.0);         ( 466771.5,
3808994.7,    1057.0,    1057.0,       0.0);
     ( 466827.5, 3808994.7,    1056.0,    1056.0,       0.0);         ( 466883.5,
3808994.7,    1055.6,    1055.6,       0.0);
     ( 465763.9, 3809060.9,    1067.0,    1067.0,       0.0);         ( 465819.8,
3809060.9,    1066.2,    1066.2,       0.0);
     ( 465875.8, 3809060.9,    1066.0,    1066.0,       0.0);         ( 465931.8,
3809060.9,    1066.0,    1066.0,       0.0);
     ( 465987.8, 3809060.9,    1066.0,    1066.0,       0.0);         ( 466043.8,
3809060.9,    1065.9,    1065.9,       0.0);
     ( 466099.7, 3809060.9,    1064.6,    1064.6,       0.0);         ( 466155.7,
3809060.9,    1063.8,    1063.8,       0.0);
     ( 466211.7, 3809060.9,    1062.8,    1062.8,       0.0);         ( 466267.7,
3809060.9,    1062.1,    1062.1,       0.0);
     ( 466323.7, 3809060.9,    1061.2,    1061.2,       0.0);         ( 466379.6,
3809060.9,    1060.3,    1060.3,       0.0);
     ( 466435.6, 3809060.9,    1060.0,    1060.0,       0.0);         ( 466491.6,
3809060.9,    1059.5,    1059.5,       0.0);
     ( 466547.6, 3809060.9,    1058.6,    1058.6,       0.0);         ( 466603.6,
3809060.9,    1058.0,    1058.0,       0.0);
     ( 466659.5, 3809060.9,    1057.8,    1057.8,       0.0);         ( 466715.5,
3809060.9,    1056.9,    1056.9,       0.0);
     ( 466771.5, 3809060.9,    1056.0,    1056.0,       0.0);         ( 466827.5,
3809060.9,    1055.3,    1055.3,       0.0);
     ( 466883.5, 3809060.9,    1054.8,    1054.8,       0.0);         ( 465763.9,
3809127.1,    1068.0,    1068.0,       0.0);
     ( 465819.8, 3809127.1,    1067.4,    1067.4,       0.0);         ( 465875.8,
3809127.1,    1067.0,    1067.0,       0.0);
     ( 465931.8, 3809127.1,    1066.4,    1066.4,       0.0);         ( 465987.8,
3809127.1,    1065.8,    1065.8,       0.0);
     ( 466043.8, 3809127.1,    1064.2,    1064.2,       0.0);         ( 466099.7,
3809127.1,    1062.6,    1062.6,       0.0);
     ( 466155.7, 3809127.1,    1061.6,    1061.6,       0.0);         ( 466211.7,
3809127.1,    1062.0,    1062.0,       0.0);
     ( 466267.7, 3809127.1,    1061.7,    1061.7,       0.0);         ( 466323.7,
3809127.1,    1061.0,    1061.0,       0.0);
     ( 466379.6, 3809127.1,    1060.0,    1060.0,       0.0);         ( 466435.6,
3809127.1,    1059.3,    1059.3,       0.0);
     ( 466491.6, 3809127.1,    1058.6,    1058.6,       0.0);         ( 466547.6,
3809127.1,    1058.0,    1058.0,       0.0);
     ( 466603.6, 3809127.1,    1057.6,    1057.6,       0.0);         ( 466659.5,
3809127.1,    1056.6,    1056.6,       0.0);
     ( 466715.5, 3809127.1,    1056.0,    1056.0,       0.0);         ( 466771.5,
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3809127.1,   1055.3,   1055.3,   0.0);
     (466827.5, 3809127.1,   1054.4,   1054.4,   0.0);   (466883.5,
3809127.1,   1054.0,   1054.0,   0.0);
     (465763.9, 3809193.4,   1068.0,   1068.0,   0.0);   (465819.8,
3809193.4,   1068.0,   1068.0,   0.0);
     (465875.8, 3809193.4,   1067.4,   1067.4,   0.0);   (465931.8,
3809193.4,   1066.6,   1066.6,   0.0);
     (465987.8, 3809193.4,   1064.8,   1064.8,   0.0);   (466043.8,
3809193.4,   1061.7,   1061.7,   0.0);
     (466099.7, 3809193.4,   1061.3,   1061.3,   0.0);   (466155.7,
3809193.4,   1060.4,   1060.4,   0.0);
     (466211.7, 3809193.4,   1060.4,   1060.4,   0.0);   (466267.7,
3809193.4,   1060.4,   1060.4,   0.0);
     (466323.7, 3809193.4,   1060.1,   1060.1,   0.0);   (466379.6,
3809193.4,   1059.6,   1059.6,   0.0);
     (466435.6, 3809193.4,   1058.7,   1058.7,   0.0);   (466491.6,
3809193.4,   1058.0,   1058.0,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (466547.6, 3809193.4,   1057.3,   1057.3,   0.0);   (466603.6,
3809193.4,   1056.9,   1056.9,   0.0);
     (466659.5, 3809193.4,   1056.0,   1056.0,   0.0);   (466715.5,
3809193.4,   1055.5,   1055.5,   0.0);
     (466771.5, 3809193.4,   1054.6,   1054.6,   0.0);   (466827.5,
3809193.4,   1054.0,   1054.0,   0.0);
     (466883.5, 3809193.4,   1053.2,   1053.2,   0.0);   (465763.9,
3809259.6,   1067.2,   1067.2,   0.0);
     (465819.8, 3809259.6,   1067.0,   1067.0,   0.0);   (465875.8,
3809259.6,   1066.2,   1066.2,   0.0);
     (465931.8, 3809259.6,   1065.4,   1065.4,   0.0);   (465987.8,
3809259.6,   1063.5,   1063.5,   0.0);
     (466043.8, 3809259.6,   1061.5,   1061.5,   0.0);   (466099.7,
3809259.6,   1060.0,   1060.0,   0.0);
     (466155.7, 3809259.6,   1060.0,   1060.0,   0.0);   (466211.7,
3809259.6,   1060.0,   1060.0,   0.0);
     (466267.7, 3809259.6,   1060.0,   1060.0,   0.0);   (466323.7,
3809259.6,   1059.0,   1059.0,   0.0);
     (466379.6, 3809259.6,   1058.5,   1058.5,   0.0);   (466435.6,
3809259.6,   1058.0,   1058.0,   0.0);
     (466491.6, 3809259.6,   1057.1,   1057.1,   0.0);   (466547.6,

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3809259.6,    1056.8,    1056.8,       0.0);
     ( 466603.6, 3809259.6,    1056.0,    1056.0,       0.0);         ( 466659.5,
3809259.6,    1055.2,    1055.2,       0.0);
     ( 466715.5, 3809259.6,    1055.0,    1055.0,       0.0);         ( 466771.5,
3809259.6,    1054.1,    1054.1,       0.0);
     ( 466827.5, 3809259.6,    1053.4,    1053.4,       0.0);         ( 466883.5,
3809259.6,    1052.6,    1052.6,       0.0);
     ( 464503.4, 3807141.9,    1112.9,    1112.9,       0.0);         ( 464523.4,
3807141.9,    1112.2,    1112.2,       0.0);
     ( 464543.4, 3807141.9,    1112.0,    1112.0,       0.0);         ( 464563.4,
3807141.9,    1111.9,    1111.9,       0.0);
     ( 464583.4, 3807141.9,    1111.2,    1111.2,       0.0);         ( 464603.4,
3807141.9,    1110.9,    1110.9,       0.0);
     ( 464623.4, 3807141.9,    1110.7,    1110.7,       0.0);         ( 464643.4,
3807141.9,    1110.2,    1110.2,       0.0);
     ( 464663.4, 3807141.9,    1109.9,    1109.9,       0.0);         ( 464683.4,
3807141.9,    1109.7,    1109.7,       0.0);
     ( 464703.4, 3807141.9,    1109.2,    1109.2,       0.0);         ( 464723.4,
3807141.9,    1109.0,    1109.0,       0.0);
     ( 464743.4, 3807141.9,    1109.0,    1109.0,       0.0);         ( 464763.4,
3807141.9,    1108.8,    1108.8,       0.0);
     ( 464783.4, 3807141.9,    1108.8,    1108.8,       0.0);         ( 464803.4,
3807141.9,    1108.7,    1108.7,       0.0);
     ( 464823.4, 3807141.9,    1108.2,    1108.2,       0.0);         ( 464843.4,
3807141.9,    1108.0,    1108.0,       0.0);
     ( 464863.4, 3807141.9,    1108.0,    1108.0,       0.0);         ( 464883.4,
3807141.9,    1107.8,    1107.8,       0.0);
     ( 464903.4, 3807141.9,    1107.4,    1107.4,       0.0);         ( 464923.4,
3807141.9,    1107.0,    1107.0,       0.0);
     ( 464503.4, 3807161.9,    1112.9,    1112.9,       0.0);         ( 464523.4,
3807161.9,    1112.2,    1112.2,       0.0);
     ( 464543.4, 3807161.9,    1112.0,    1112.0,       0.0);         ( 464563.4,
3807161.9,    1111.9,    1111.9,       0.0);
     ( 464583.4, 3807161.9,    1111.2,    1111.2,       0.0);         ( 464603.4,
3807161.9,    1110.6,    1110.6,       0.0);
     ( 464623.4, 3807161.9,    1110.1,    1110.1,       0.0);         ( 464643.4,
3807161.9,    1110.0,    1110.0,       0.0);
     ( 464663.4, 3807161.9,    1109.6,    1109.6,       0.0);         ( 464683.4,
3807161.9,    1109.1,    1109.1,       0.0);
     ( 464703.4, 3807161.9,    1109.0,    1109.0,       0.0);         ( 464723.4,
3807161.9,    1109.0,    1109.0,       0.0);
     ( 464743.4, 3807161.9,    1108.9,    1108.9,       0.0);         ( 464763.4,
3807161.9,    1108.3,    1108.3,       0.0);
     ( 464783.4, 3807161.9,    1108.1,    1108.1,       0.0);         ( 464803.4,
3807161.9,    1108.1,    1108.1,       0.0);
     ( 464823.4, 3807161.9,    1108.0,    1108.0,       0.0);         ( 464843.4,
3807161.9,    1108.0,    1108.0,       0.0);
     ( 464863.4, 3807161.9,    1107.9,    1107.9,       0.0);         ( 464883.4,
3807161.9,    1107.3,    1107.3,       0.0);
     ( 464903.4, 3807161.9,    1107.1,    1107.1,       0.0);         ( 464923.4,
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3807161.9,   1106.9,   1106.9,   0.0);
     (464503.4, 3807181.9,   1112.4,   1112.4,   0.0);   (464523.4,
3807181.9,   1112.1,   1112.1,   0.0);
     (464543.4, 3807181.9,   1111.8,   1111.8,   0.0);   (464563.4,
3807181.9,   1111.4,   1111.4,   0.0);
     (464583.4, 3807181.9,   1111.1,   1111.1,   0.0);   (464603.4,
3807181.9,   1110.5,   1110.5,   0.0);
     (464623.4, 3807181.9,   1110.0,   1110.0,   0.0);   (464643.4,
3807181.9,   1110.0,   1110.0,   0.0);
     (464663.4, 3807181.9,   1109.5,   1109.5,   0.0);   (464683.4,
3807181.9,   1109.0,   1109.0,   0.0);
     (464703.4, 3807181.9,   1109.0,   1109.0,   0.0);   (464723.4,
3807181.9,   1108.8,   1108.8,   0.0);
     (464743.4, 3807181.9,   1108.4,   1108.4,   0.0);   (464763.4,
3807181.9,   1108.1,   1108.1,   0.0);
     (464783.4, 3807181.9,   1108.0,   1108.0,   0.0);   (464803.4,
3807181.9,   1107.9,   1107.9,   0.0);
     (464823.4, 3807181.9,   1107.6,   1107.6,   0.0);   (464843.4,
3807181.9,   1107.5,   1107.5,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (464863.4, 3807181.9,   1107.4,   1107.4,   0.0);   (464883.4,
3807181.9,   1107.1,   1107.1,   0.0);
     (464903.4, 3807181.9,   1106.8,   1106.8,   0.0);   (464923.4,
3807181.9,   1106.4,   1106.4,   0.0);
     (464503.4, 3807201.9,   1112.0,   1112.0,   0.0);   (464523.4,
3807201.9,   1112.0,   1112.0,   0.0);
     (464543.4, 3807201.9,   1111.5,   1111.5,   0.0);   (464563.4,
3807201.9,   1111.0,   1111.0,   0.0);
     (464583.4, 3807201.9,   1110.8,   1110.8,   0.0);   (464603.4,
3807201.9,   1110.4,   1110.4,   0.0);
     (464623.4, 3807201.9,   1110.0,   1110.0,   0.0);   (464643.4,
3807201.9,   1109.8,   1109.8,   0.0);
     (464663.4, 3807201.9,   1109.4,   1109.4,   0.0);   (464683.4,
3807201.9,   1109.0,   1109.0,   0.0);
     (464703.4, 3807201.9,   1108.8,   1108.8,   0.0);   (464723.4,
3807201.9,   1108.4,   1108.4,   0.0);
     (464743.4, 3807201.9,   1108.0,   1108.0,   0.0);   (464763.4,
3807201.9,   1108.0,   1108.0,   0.0);
     (464783.4, 3807201.9,   1107.9,   1107.9,   0.0);   (464803.4,

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3807201.9,    1107.7,    1107.7,       0.0);
     ( 464823.4, 3807201.9,    1107.2,    1107.2,       0.0);         ( 464843.4,
3807201.9,    1106.9,    1106.9,       0.0);
     ( 464863.4, 3807201.9,    1106.8,    1106.8,       0.0);         ( 464883.4,
3807201.9,    1106.8,    1106.8,       0.0);
     ( 464903.4, 3807201.9,    1106.4,    1106.4,       0.0);         ( 464923.4,
3807201.9,    1106.0,    1106.0,       0.0);
     ( 464503.4, 3807221.9,    1112.0,    1112.0,       0.0);         ( 464523.4,
3807221.9,    1112.0,    1112.0,       0.0);
     ( 464543.4, 3807221.9,    1111.5,    1111.5,       0.0);         ( 464563.4,
3807221.9,    1110.9,    1110.9,       0.0);
     ( 464583.4, 3807221.9,    1110.3,    1110.3,       0.0);         ( 464603.4,
3807221.9,    1110.1,    1110.1,       0.0);
     ( 464623.4, 3807221.9,    1109.9,    1109.9,       0.0);         ( 464643.4,
3807221.9,    1109.3,    1109.3,       0.0);
     ( 464663.4, 3807221.9,    1109.1,    1109.1,       0.0);         ( 464683.4,
3807221.9,    1108.9,    1108.9,       0.0);
     ( 464703.4, 3807221.9,    1108.3,    1108.3,       0.0);         ( 464723.4,
3807221.9,    1108.1,    1108.1,       0.0);
     ( 464743.4, 3807221.9,    1108.0,    1108.0,       0.0);         ( 464763.4,
3807221.9,    1108.0,    1108.0,       0.0);
     ( 464783.4, 3807221.9,    1107.6,    1107.6,       0.0);         ( 464803.4,
3807221.9,    1107.1,    1107.1,       0.0);
     ( 464823.4, 3807221.9,    1107.0,    1107.0,       0.0);         ( 464843.4,
3807221.9,    1106.6,    1106.6,       0.0);
     ( 464863.4, 3807221.9,    1106.1,    1106.1,       0.0);         ( 464883.4,
3807221.9,    1106.1,    1106.1,       0.0);
     ( 464903.4, 3807221.9,    1106.1,    1106.1,       0.0);         ( 464923.4,
3807221.9,    1105.9,    1105.9,       0.0);
     ( 464503.4, 3807241.9,    1111.9,    1111.9,       0.0);         ( 464523.4,
3807241.9,    1111.6,    1111.6,       0.0);
     ( 464543.4, 3807241.9,    1111.3,    1111.3,       0.0);         ( 464563.4,
3807241.9,    1110.9,    1110.9,       0.0);
     ( 464583.4, 3807241.9,    1110.2,    1110.2,       0.0);         ( 464603.4,
3807241.9,    1110.0,    1110.0,       0.0);
     ( 464623.4, 3807241.9,    1109.9,    1109.9,       0.0);         ( 464643.4,
3807241.9,    1109.2,    1109.2,       0.0);
     ( 464663.4, 3807241.9,    1108.8,    1108.8,       0.0);         ( 464683.4,
3807241.9,    1108.4,    1108.4,       0.0);
     ( 464703.4, 3807241.9,    1108.1,    1108.1,       0.0);         ( 464723.4,
3807241.9,    1108.0,    1108.0,       0.0);
     ( 464743.4, 3807241.9,    1107.9,    1107.9,       0.0);         ( 464763.4,
3807241.9,    1107.6,    1107.6,       0.0);
     ( 464783.4, 3807241.9,    1107.3,    1107.3,       0.0);         ( 464803.4,
3807241.9,    1106.9,    1106.9,       0.0);
     ( 464823.4, 3807241.9,    1106.6,    1106.6,       0.0);         ( 464843.4,
3807241.9,    1106.3,    1106.3,       0.0);
     ( 464863.4, 3807241.9,    1106.0,    1106.0,       0.0);         ( 464883.4,
3807241.9,    1106.0,    1106.0,       0.0);
     ( 464903.4, 3807241.9,    1105.8,    1105.8,       0.0);         ( 464923.4,
```

3807241.9,   1105.4,   1105.4,   0.0);
     (464503.4, 3807261.9,   1111.9,   1111.9,   0.0);   (464523.4,
3807261.9,   1111.2,   1111.2,   0.0);
     (464543.4, 3807261.9,   1111.0,   1111.0,   0.0);   (464563.4,
3807261.9,   1110.9,   1110.9,   0.0);
     (464583.4, 3807261.9,   1110.2,   1110.2,   0.0);   (464603.4,
3807261.9,   1109.9,   1109.9,   0.0);
     (464623.4, 3807261.9,   1109.7,   1109.7,   0.0);   (464643.4,
3807261.9,   1109.2,   1109.2,   0.0);
     (464663.4, 3807261.9,   1108.5,   1108.5,   0.0);   (464683.4,
3807261.9,   1108.0,   1108.0,   0.0);
     (464703.4, 3807261.9,   1108.0,   1108.0,   0.0);   (464723.4,
3807261.9,   1107.9,   1107.9,   0.0);
     (464743.4, 3807261.9,   1107.7,   1107.7,   0.0);   (464763.4,
3807261.9,   1107.2,   1107.2,   0.0);
     (464783.4, 3807261.9,   1106.9,   1106.9,   0.0);   (464803.4,
3807261.9,   1106.7,   1106.7,   0.0);
     (464823.4, 3807261.9,   1106.2,   1106.2,   0.0);   (464843.4,
3807261.9,   1105.9,   1105.9,   0.0);
     (464863.4, 3807261.9,   1105.8,   1105.8,   0.0);   (464883.4,
3807261.9,   1105.8,   1105.8,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (464903.4, 3807261.9,   1105.3,   1105.3,   0.0);   (464923.4,
3807261.9,   1104.8,   1104.8,   0.0);
     (464503.4, 3807281.9,   1111.9,   1111.9,   0.0);   (464523.4,
3807281.9,   1111.2,   1111.2,   0.0);
     (464543.4, 3807281.9,   1111.0,   1111.0,   0.0);   (464563.4,
3807281.9,   1110.9,   1110.9,   0.0);
     (464583.4, 3807281.9,   1110.2,   1110.2,   0.0);   (464603.4,
3807281.9,   1109.6,   1109.6,   0.0);
     (464623.4, 3807281.9,   1109.1,   1109.1,   0.0);   (464643.4,
3807281.9,   1109.0,   1109.0,   0.0);
     (464663.4, 3807281.9,   1108.5,   1108.5,   0.0);   (464683.4,
3807281.9,   1108.0,   1108.0,   0.0);
     (464703.4, 3807281.9,   1108.0,   1108.0,   0.0);   (464723.4,
3807281.9,   1107.6,   1107.6,   0.0);
     (464743.4, 3807281.9,   1107.1,   1107.1,   0.0);   (464763.4,
3807281.9,   1107.0,   1107.0,   0.0);
     (464783.4, 3807281.9,   1106.6,   1106.6,   0.0);   (464803.4,

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3807281.9,    1106.1,    1106.1,       0.0);
     ( 464823.4, 3807281.9,    1106.0,    1106.0,       0.0);         ( 464843.4,
3807281.9,    1105.6,    1105.6,       0.0);
     ( 464863.4, 3807281.9,    1105.1,    1105.1,       0.0);         ( 464883.4,
3807281.9,    1105.1,    1105.1,       0.0);
     ( 464903.4, 3807281.9,    1104.7,    1104.7,       0.0);         ( 464923.4,
3807281.9,    1104.1,    1104.1,       0.0);
     ( 464503.4, 3807301.9,    1111.4,    1111.4,       0.0);         ( 464523.4,
3807301.9,    1111.1,    1111.1,       0.0);
     ( 464543.4, 3807301.9,    1110.8,    1110.8,       0.0);         ( 464563.4,
3807301.9,    1110.4,    1110.4,       0.0);
     ( 464583.4, 3807301.9,    1110.1,    1110.1,       0.0);         ( 464603.4,
3807301.9,    1109.5,    1109.5,       0.0);
     ( 464623.4, 3807301.9,    1109.0,    1109.0,       0.0);         ( 464643.4,
3807301.9,    1109.0,    1109.0,       0.0);
     ( 464663.4, 3807301.9,    1108.5,    1108.5,       0.0);         ( 464683.4,
3807301.9,    1108.0,    1108.0,       0.0);
     ( 464703.4, 3807301.9,    1108.0,    1108.0,       0.0);         ( 464723.4,
3807301.9,    1107.5,    1107.5,       0.0);
     ( 464743.4, 3807301.9,    1106.9,    1106.9,       0.0);         ( 464763.4,
3807301.9,    1106.6,    1106.6,       0.0);
     ( 464783.4, 3807301.9,    1106.3,    1106.3,       0.0);         ( 464803.4,
3807301.9,    1106.0,    1106.0,       0.0);
     ( 464823.4, 3807301.9,    1106.0,    1106.0,       0.0);         ( 464843.4,
3807301.9,    1105.5,    1105.5,       0.0);
     ( 464863.4, 3807301.9,    1104.9,    1104.9,       0.0);         ( 464883.4,
3807301.9,    1104.6,    1104.6,       0.0);
     ( 464903.4, 3807301.9,    1104.3,    1104.3,       0.0);         ( 464923.4,
3807301.9,    1104.0,    1104.0,       0.0);
     ( 464503.4, 3807321.9,    1111.0,    1111.0,       0.0);         ( 464523.4,
3807321.9,    1111.0,    1111.0,       0.0);
     ( 464543.4, 3807321.9,    1110.5,    1110.5,       0.0);         ( 464563.4,
3807321.9,    1110.0,    1110.0,       0.0);
     ( 464583.4, 3807321.9,    1110.0,    1110.0,       0.0);         ( 464603.4,
3807321.9,    1109.5,    1109.5,       0.0);
     ( 464623.4, 3807321.9,    1109.0,    1109.0,       0.0);         ( 464643.4,
3807321.9,    1109.0,    1109.0,       0.0);
     ( 464663.4, 3807321.9,    1108.5,    1108.5,       0.0);         ( 464683.4,
3807321.9,    1108.0,    1108.0,       0.0);
     ( 464703.4, 3807321.9,    1107.8,    1107.8,       0.0);         ( 464723.4,
3807321.9,    1107.4,    1107.4,       0.0);
     ( 464743.4, 3807321.9,    1106.9,    1106.9,       0.0);         ( 464763.4,
3807321.9,    1106.2,    1106.2,       0.0);
     ( 464783.4, 3807321.9,    1106.0,    1106.0,       0.0);         ( 464803.4,
3807321.9,    1106.0,    1106.0,       0.0);
     ( 464823.4, 3807321.9,    1105.8,    1105.8,       0.0);         ( 464843.4,
3807321.9,    1105.3,    1105.3,       0.0);
     ( 464863.4, 3807321.9,    1104.7,    1104.7,       0.0);         ( 464883.4,
3807321.9,    1104.2,    1104.2,       0.0);
     ( 464903.4, 3807321.9,    1104.0,    1104.0,       0.0);         ( 464923.4,
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3807321.9,   1104.0,   1104.0,   0.0);
     (464503.4, 3807341.9,   1111.0,   1111.0,   0.0);   (464523.4,
3807341.9,   1111.0,   1111.0,   0.0);
     (464543.4, 3807341.9,   1110.5,   1110.5,   0.0);   (464563.4,
3807341.9,   1110.0,   1110.0,   0.0);
     (464583.4, 3807341.9,   1110.0,   1110.0,   0.0);   (464603.4,
3807341.9,   1109.5,   1109.5,   0.0);
     (464623.4, 3807341.9,   1109.0,   1109.0,   0.0);   (464643.4,
3807341.9,   1109.0,   1109.0,   0.0);
     (464663.4, 3807341.9,   1108.5,   1108.5,   0.0);   (464683.4,
3807341.9,   1107.9,   1107.9,   0.0);
     (464703.4, 3807341.9,   1107.3,   1107.3,   0.0);   (464723.4,
3807341.9,   1107.1,   1107.1,   0.0);
     (464743.4, 3807341.9,   1106.9,   1106.9,   0.0);   (464763.4,
3807341.9,   1106.2,   1106.2,   0.0);
     (464783.4, 3807341.9,   1106.0,   1106.0,   0.0);   (464803.4,
3807341.9,   1105.9,   1105.9,   0.0);
     (464823.4, 3807341.9,   1105.3,   1105.3,   0.0);   (464843.4,
3807341.9,   1104.7,   1104.7,   0.0);
     (464863.4, 3807341.9,   1104.1,   1104.1,   0.0);   (464883.4,
3807341.9,   1104.0,   1104.0,   0.0);
     (464903.4, 3807341.9,   1104.0,   1104.0,   0.0);   (464923.4,
3807341.9,   1103.9,   1103.9,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                 (METERS)

     (464503.4, 3807361.9,   1110.9,   1110.9,   0.0);   (464523.4,
3807361.9,   1110.6,   1110.6,   0.0);
     (464543.4, 3807361.9,   1110.3,   1110.3,   0.0);   (464563.4,
3807361.9,   1110.0,   1110.0,   0.0);
     (464583.4, 3807361.9,   1110.0,   1110.0,   0.0);   (464603.4,
3807361.9,   1109.5,   1109.5,   0.0);
     (464623.4, 3807361.9,   1108.9,   1108.9,   0.0);   (464643.4,
3807361.9,   1108.6,   1108.6,   0.0);
     (464663.4, 3807361.9,   1108.3,   1108.3,   0.0);   (464683.4,
3807361.9,   1107.9,   1107.9,   0.0);
     (464703.4, 3807361.9,   1107.2,   1107.2,   0.0);   (464723.4,
3807361.9,   1106.8,   1106.8,   0.0);
     (464743.4, 3807361.9,   1106.4,   1106.4,   0.0);   (464763.4,
3807361.9,   1106.1,   1106.1,   0.0);
     (464783.4, 3807361.9,   1105.8,   1105.8,   0.0);   (464803.4,

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3807361.9,    1105.3,    1105.3,       0.0);
     ( 464823.4, 3807361.9,    1104.7,    1104.7,       0.0);         ( 464843.4,
3807361.9,    1104.3,    1104.3,       0.0);
     ( 464863.4, 3807361.9,    1104.0,    1104.0,       0.0);         ( 464883.4,
3807361.9,    1104.0,    1104.0,       0.0);
     ( 464903.4, 3807361.9,    1103.8,    1103.8,       0.0);         ( 464923.4,
3807361.9,    1103.4,    1103.4,       0.0);
     ( 464503.4, 3807381.9,    1110.7,    1110.7,       0.0);         ( 464523.4,
3807381.9,    1110.2,    1110.2,       0.0);
     ( 464543.4, 3807381.9,    1110.0,    1110.0,       0.0);         ( 464563.4,
3807381.9,    1110.0,    1110.0,       0.0);
     ( 464583.4, 3807381.9,    1109.8,    1109.8,       0.0);         ( 464603.4,
3807381.9,    1109.4,    1109.4,       0.0);
     ( 464623.4, 3807381.9,    1108.9,    1108.9,       0.0);         ( 464643.4,
3807381.9,    1108.2,    1108.2,       0.0);
     ( 464663.4, 3807381.9,    1107.9,    1107.9,       0.0);         ( 464683.4,
3807381.9,    1107.7,    1107.7,       0.0);
     ( 464703.4, 3807381.9,    1107.2,    1107.2,       0.0);         ( 464723.4,
3807381.9,    1106.5,    1106.5,       0.0);
     ( 464743.4, 3807381.9,    1106.0,    1106.0,       0.0);         ( 464763.4,
3807381.9,    1105.8,    1105.8,       0.0);
     ( 464783.4, 3807381.9,    1105.4,    1105.4,       0.0);         ( 464803.4,
3807381.9,    1104.9,    1104.9,       0.0);
     ( 464823.4, 3807381.9,    1104.2,    1104.2,       0.0);         ( 464843.4,
3807381.9,    1104.0,    1104.0,       0.0);
     ( 464863.4, 3807381.9,    1104.0,    1104.0,       0.0);         ( 464883.4,
3807381.9,    1103.8,    1103.8,       0.0);
     ( 464903.4, 3807381.9,    1103.4,    1103.4,       0.0);         ( 464923.4,
3807381.9,    1103.0,    1103.0,       0.0);
     ( 464503.4, 3807401.9,    1110.1,    1110.1,       0.0);         ( 464523.4,
3807401.9,    1110.0,    1110.0,       0.0);
     ( 464543.4, 3807401.9,    1110.0,    1110.0,       0.0);         ( 464563.4,
3807401.9,    1109.9,    1109.9,       0.0);
     ( 464583.4, 3807401.9,    1109.3,    1109.3,       0.0);         ( 464603.4,
3807401.9,    1109.1,    1109.1,       0.0);
     ( 464623.4, 3807401.9,    1108.9,    1108.9,       0.0);         ( 464643.4,
3807401.9,    1108.2,    1108.2,       0.0);
     ( 464663.4, 3807401.9,    1107.6,    1107.6,       0.0);         ( 464683.4,
3807401.9,    1107.1,    1107.1,       0.0);
     ( 464703.4, 3807401.9,    1107.0,    1107.0,       0.0);         ( 464723.4,
3807401.9,    1106.5,    1106.5,       0.0);
     ( 464743.4, 3807401.9,    1105.9,    1105.9,       0.0);         ( 464763.4,
3807401.9,    1105.3,    1105.3,       0.0);
     ( 464783.4, 3807401.9,    1105.1,    1105.1,       0.0);         ( 464803.4,
3807401.9,    1104.9,    1104.9,       0.0);
     ( 464823.4, 3807401.9,    1104.2,    1104.2,       0.0);         ( 464843.4,
3807401.9,    1104.0,    1104.0,       0.0);
     ( 464863.4, 3807401.9,    1103.9,    1103.9,       0.0);         ( 464883.4,
3807401.9,    1103.3,    1103.3,       0.0);
     ( 464903.4, 3807401.9,    1103.1,    1103.1,       0.0);         ( 464923.4,
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3807401.9,   1102.9,   1102.9,   0.0);
     (464503.4, 3807421.9,   1110.0,   1110.0,   0.0);   (464523.4,
3807421.9,   1110.0,   1110.0,   0.0);
     (464543.4, 3807421.9,   1109.8,   1109.8,   0.0);   (464563.4,
3807421.9,   1109.4,   1109.4,   0.0);
     (464583.4, 3807421.9,   1109.1,   1109.1,   0.0);   (464603.4,
3807421.9,   1108.8,   1108.8,   0.0);
     (464623.4, 3807421.9,   1108.4,   1108.4,   0.0);   (464643.4,
3807421.9,   1108.1,   1108.1,   0.0);
     (464663.4, 3807421.9,   1107.5,   1107.5,   0.0);   (464683.4,
3807421.9,   1106.9,   1106.9,   0.0);
     (464703.4, 3807421.9,   1106.6,   1106.6,   0.0);   (464723.4,
3807421.9,   1106.3,   1106.3,   0.0);
     (464743.4, 3807421.9,   1105.9,   1105.9,   0.0);   (464763.4,
3807421.9,   1105.2,   1105.2,   0.0);
     (464783.4, 3807421.9,   1104.8,   1104.8,   0.0);   (464803.4,
3807421.9,   1104.4,   1104.4,   0.0);
     (464823.4, 3807421.9,   1104.1,   1104.1,   0.0);   (464843.4,
3807421.9,   1103.8,   1103.8,   0.0);
     (464863.4, 3807421.9,   1103.4,   1103.4,   0.0);   (464883.4,
3807421.9,   1103.1,   1103.1,   0.0);
     (464903.4, 3807421.9,   1102.8,   1102.8,   0.0);   (464923.4,
3807421.9,   1102.4,   1102.4,   0.0);
     (464503.4, 3807441.9,   1110.0,   1110.0,   0.0);   (464523.4,
3807441.9,   1109.8,   1109.8,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (464543.4, 3807441.9,   1109.4,   1109.4,   0.0);   (464563.4,
3807441.9,   1109.0,   1109.0,   0.0);
     (464583.4, 3807441.9,   1108.8,   1108.8,   0.0);   (464603.4,
3807441.9,   1108.4,   1108.4,   0.0);
     (464623.4, 3807441.9,   1108.0,   1108.0,   0.0);   (464643.4,
3807441.9,   1107.8,   1107.8,   0.0);
     (464663.4, 3807441.9,   1107.4,   1107.4,   0.0);   (464683.4,
3807441.9,   1106.9,   1106.9,   0.0);
     (464703.4, 3807441.9,   1106.2,   1106.2,   0.0);   (464723.4,
3807441.9,   1105.9,   1105.9,   0.0);
     (464743.4, 3807441.9,   1105.7,   1105.7,   0.0);   (464763.4,
3807441.9,   1105.2,   1105.2,   0.0);
     (464783.4, 3807441.9,   1104.5,   1104.5,   0.0);   (464803.4,

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3807441.9,    1104.0,    1104.0,       0.0);
     ( 464823.4, 3807441.9,    1104.0,    1104.0,       0.0);         ( 464843.4,
3807441.9,    1103.5,    1103.5,       0.0);
     ( 464863.4, 3807441.9,    1103.0,    1103.0,       0.0);         ( 464883.4,
3807441.9,    1103.0,    1103.0,       0.0);
     ( 464903.4, 3807441.9,    1102.5,    1102.5,       0.0);         ( 464923.4,
3807441.9,    1102.0,    1102.0,       0.0);
     ( 464503.4, 3807461.9,    1109.9,    1109.9,       0.0);         ( 464523.4,
3807461.9,    1109.3,    1109.3,       0.0);
     ( 464543.4, 3807461.9,    1109.1,    1109.1,       0.0);         ( 464563.4,
3807461.9,    1108.9,    1108.9,       0.0);
     ( 464583.4, 3807461.9,    1108.3,    1108.3,       0.0);         ( 464603.4,
3807461.9,    1108.1,    1108.1,       0.0);
     ( 464623.4, 3807461.9,    1107.9,    1107.9,       0.0);         ( 464643.4,
3807461.9,    1107.3,    1107.3,       0.0);
     ( 464663.4, 3807461.9,    1107.1,    1107.1,       0.0);         ( 464683.4,
3807461.9,    1106.9,    1106.9,       0.0);
     ( 464703.4, 3807461.9,    1106.2,    1106.2,       0.0);         ( 464723.4,
3807461.9,    1105.6,    1105.6,       0.0);
     ( 464743.4, 3807461.9,    1105.1,    1105.1,       0.0);         ( 464763.4,
3807461.9,    1105.0,    1105.0,       0.0);
     ( 464783.4, 3807461.9,    1104.5,    1104.5,       0.0);         ( 464803.4,
3807461.9,    1104.0,    1104.0,       0.0);
     ( 464823.4, 3807461.9,    1104.0,    1104.0,       0.0);         ( 464843.4,
3807461.9,    1103.5,    1103.5,       0.0);
     ( 464863.4, 3807461.9,    1103.0,    1103.0,       0.0);         ( 464883.4,
3807461.9,    1103.0,    1103.0,       0.0);
     ( 464903.4, 3807461.9,    1102.5,    1102.5,       0.0);         ( 464923.4,
3807461.9,    1102.0,    1102.0,       0.0);
     ( 464503.4, 3807481.9,    1109.9,    1109.9,       0.0);         ( 464523.4,
3807481.9,    1109.2,    1109.2,       0.0);
     ( 464543.4, 3807481.9,    1108.8,    1108.8,       0.0);         ( 464563.4,
3807481.9,    1108.4,    1108.4,       0.0);
     ( 464583.4, 3807481.9,    1108.1,    1108.1,       0.0);         ( 464603.4,
3807481.9,    1107.8,    1107.8,       0.0);
     ( 464623.4, 3807481.9,    1107.4,    1107.4,       0.0);         ( 464643.4,
3807481.9,    1107.1,    1107.1,       0.0);
     ( 464663.4, 3807481.9,    1106.8,    1106.8,       0.0);         ( 464683.4,
3807481.9,    1106.4,    1106.4,       0.0);
     ( 464703.4, 3807481.9,    1106.1,    1106.1,       0.0);         ( 464723.4,
3807481.9,    1105.5,    1105.5,       0.0);
     ( 464743.4, 3807481.9,    1105.0,    1105.0,       0.0);         ( 464763.4,
3807481.9,    1105.0,    1105.0,       0.0);
     ( 464783.4, 3807481.9,    1104.5,    1104.5,       0.0);         ( 464803.4,
3807481.9,    1104.0,    1104.0,       0.0);
     ( 464823.4, 3807481.9,    1104.0,    1104.0,       0.0);         ( 464843.4,
3807481.9,    1103.5,    1103.5,       0.0);
     ( 464863.4, 3807481.9,    1102.9,    1102.9,       0.0);         ( 464883.4,
3807481.9,    1102.6,    1102.6,       0.0);
     ( 464903.4, 3807481.9,    1102.3,    1102.3,       0.0);         ( 464923.4,
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3807481.9,    1101.9,    1101.9,       0.0);
     ( 464503.4, 3807501.9,    1109.7,    1109.7,       0.0);         ( 464523.4,
3807501.9,    1109.0,    1109.0,       0.0);
     ( 464543.4, 3807501.9,    1108.4,    1108.4,       0.0);         ( 464563.4,
3807501.9,    1108.0,    1108.0,       0.0);
     ( 464583.4, 3807501.9,    1107.8,    1107.8,       0.0);         ( 464603.4,
3807501.9,    1107.4,    1107.4,       0.0);
     ( 464623.4, 3807501.9,    1107.0,    1107.0,       0.0);         ( 464643.4,
3807501.9,    1106.8,    1106.8,       0.0);
     ( 464663.4, 3807501.9,    1106.4,    1106.4,       0.0);         ( 464683.4,
3807501.9,    1106.0,    1106.0,       0.0);
     ( 464703.4, 3807501.9,    1105.8,    1105.8,       0.0);         ( 464723.4,
3807501.9,    1105.4,    1105.4,       0.0);
     ( 464743.4, 3807501.9,    1105.0,    1105.0,       0.0);         ( 464763.4,
3807501.9,    1104.8,    1104.8,       0.0);
     ( 464783.4, 3807501.9,    1104.4,    1104.4,       0.0);         ( 464803.4,
3807501.9,    1104.0,    1104.0,       0.0);
     ( 464823.4, 3807501.9,    1103.8,    1103.8,       0.0);         ( 464843.4,
3807501.9,    1103.4,    1103.4,       0.0);
     ( 464863.4, 3807501.9,    1102.9,    1102.9,       0.0);         ( 464883.4,
3807501.9,    1102.2,    1102.2,       0.0);
     ( 464903.4, 3807501.9,    1102.0,    1102.0,       0.0);         ( 464923.4,
3807501.9,    1101.9,    1101.9,       0.0);
     ( 464503.4, 3807521.9,    1109.0,    1109.0,       0.0);         ( 464523.4,
3807521.9,    1108.3,    1108.3,       0.0);
     ( 464543.4, 3807521.9,    1108.1,    1108.1,       0.0);         ( 464563.4,
3807521.9,    1107.9,    1107.9,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       13:53:49

                                  PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 464583.4, 3807521.9,    1107.3,    1107.3,       0.0);         ( 464603.4,
3807521.9,    1107.1,    1107.1,       0.0);
     ( 464623.4, 3807521.9,    1106.9,    1106.9,       0.0);         ( 464643.4,
3807521.9,    1106.3,    1106.3,       0.0);
     ( 464663.4, 3807521.9,    1106.1,    1106.1,       0.0);         ( 464683.4,
3807521.9,    1105.9,    1105.9,       0.0);
     ( 464703.4, 3807521.9,    1105.3,    1105.3,       0.0);         ( 464723.4,
3807521.9,    1105.1,    1105.1,       0.0);
     ( 464743.4, 3807521.9,    1104.9,    1104.9,       0.0);         ( 464763.4,
3807521.9,    1104.3,    1104.3,       0.0);
     ( 464783.4, 3807521.9,    1104.1,    1104.1,       0.0);         ( 464803.4,
```

```
3807521.9,    1103.9,    1103.9,       0.0);
     ( 464823.4, 3807521.9,    1103.3,    1103.3,       0.0);         ( 464843.4,
3807521.9,    1103.1,    1103.1,       0.0);
     ( 464863.4, 3807521.9,    1102.9,    1102.9,       0.0);         ( 464883.4,
3807521.9,    1102.2,    1102.2,       0.0);
     ( 464903.4, 3807521.9,    1102.0,    1102.0,       0.0);         ( 464923.4,
3807521.9,    1101.9,    1101.9,       0.0);
     ( 464503.4, 3807541.9,    1108.4,    1108.4,       0.0);         ( 464523.4,
3807541.9,    1108.1,    1108.1,       0.0);
     ( 464543.4, 3807541.9,    1107.8,    1107.8,       0.0);         ( 464563.4,
3807541.9,    1107.4,    1107.4,       0.0);
     ( 464583.4, 3807541.9,    1107.1,    1107.1,       0.0);         ( 464603.4,
3807541.9,    1106.8,    1106.8,       0.0);
     ( 464623.4, 3807541.9,    1106.4,    1106.4,       0.0);         ( 464643.4,
3807541.9,    1106.1,    1106.1,       0.0);
     ( 464663.4, 3807541.9,    1105.8,    1105.8,       0.0);         ( 464683.4,
3807541.9,    1105.4,    1105.4,       0.0);
     ( 464703.4, 3807541.9,    1105.1,    1105.1,       0.0);         ( 464723.4,
3807541.9,    1104.8,    1104.8,       0.0);
     ( 464743.4, 3807541.9,    1104.4,    1104.4,       0.0);         ( 464763.4,
3807541.9,    1104.1,    1104.1,       0.0);
     ( 464783.4, 3807541.9,    1104.0,    1104.0,       0.0);         ( 464803.4,
3807541.9,    1103.9,    1103.9,       0.0);
     ( 464823.4, 3807541.9,    1103.2,    1103.2,       0.0);         ( 464843.4,
3807541.9,    1102.8,    1102.8,       0.0);
     ( 464863.4, 3807541.9,    1102.4,    1102.4,       0.0);         ( 464883.4,
3807541.9,    1102.1,    1102.1,       0.0);
     ( 464903.4, 3807541.9,    1101.8,    1101.8,       0.0);         ( 464923.4,
3807541.9,    1101.4,    1101.4,       0.0);
     ( 464503.4, 3807561.9,    1108.0,    1108.0,       0.0);         ( 464523.4,
3807561.9,    1107.8,    1107.8,       0.0);
     ( 464543.4, 3807561.9,    1107.4,    1107.4,       0.0);         ( 464563.4,
3807561.9,    1107.0,    1107.0,       0.0);
     ( 464583.4, 3807561.9,    1106.8,    1106.8,       0.0);         ( 464603.4,
3807561.9,    1106.4,    1106.4,       0.0);
     ( 464623.4, 3807561.9,    1106.0,    1106.0,       0.0);         ( 464643.4,
3807561.9,    1105.8,    1105.8,       0.0);
     ( 464663.4, 3807561.9,    1105.4,    1105.4,       0.0);         ( 464683.4,
3807561.9,    1105.0,    1105.0,       0.0);
     ( 464703.4, 3807561.9,    1104.8,    1104.8,       0.0);         ( 464723.4,
3807561.9,    1104.4,    1104.4,       0.0);
     ( 464743.4, 3807561.9,    1104.0,    1104.0,       0.0);         ( 464763.4,
3807561.9,    1104.0,    1104.0,       0.0);
     ( 464783.4, 3807561.9,    1103.9,    1103.9,       0.0);         ( 464803.4,
3807561.9,    1103.7,    1103.7,       0.0);
     ( 464823.4, 3807561.9,    1103.2,    1103.2,       0.0);         ( 464843.4,
3807561.9,    1102.5,    1102.5,       0.0);
     ( 464863.4, 3807561.9,    1102.0,    1102.0,       0.0);         ( 464883.4,
3807561.9,    1102.0,    1102.0,       0.0);
     ( 464903.4, 3807561.9,    1101.5,    1101.5,       0.0);         ( 464923.4,
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3807561.9,   1101.0,   1101.0,   0.0);
     (464503.4, 3807581.9,   1107.9,   1107.9,   0.0);   (464523.4,
3807581.9,   1107.3,   1107.3,   0.0);
     (464543.4, 3807581.9,   1107.1,   1107.1,   0.0);   (464563.4,
3807581.9,   1106.9,   1106.9,   0.0);
     (464583.4, 3807581.9,   1106.3,   1106.3,   0.0);   (464603.4,
3807581.9,   1106.1,   1106.1,   0.0);
     (464623.4, 3807581.9,   1105.9,   1105.9,   0.0);   (464643.4,
3807581.9,   1105.3,   1105.3,   0.0);
     (464663.4, 3807581.9,   1105.1,   1105.1,   0.0);   (464683.4,
3807581.9,   1104.9,   1104.9,   0.0);
     (464703.4, 3807581.9,   1104.3,   1104.3,   0.0);   (464723.4,
3807581.9,   1104.1,   1104.1,   0.0);
     (464743.4, 3807581.9,   1104.0,   1104.0,   0.0);   (464763.4,
3807581.9,   1104.0,   1104.0,   0.0);
     (464783.4, 3807581.9,   1103.6,   1103.6,   0.0);   (464803.4,
3807581.9,   1103.1,   1103.1,   0.0);
     (464823.4, 3807581.9,   1103.0,   1103.0,   0.0);   (464843.4,
3807581.9,   1102.5,   1102.5,   0.0);
     (464863.4, 3807581.9,   1102.0,   1102.0,   0.0);   (464883.4,
3807581.9,   1102.0,   1102.0,   0.0);
     (464903.4, 3807581.9,   1101.5,   1101.5,   0.0);   (464923.4,
3807581.9,   1100.9,   1100.9,   0.0);
     (464503.4, 3807601.9,   1107.3,   1107.3,   0.0);   (464523.4,
3807601.9,   1106.7,   1106.7,   0.0);
     (464543.4, 3807601.9,   1106.5,   1106.5,   0.0);   (464563.4,
3807601.9,   1106.4,   1106.4,   0.0);
     (464583.4, 3807601.9,   1106.1,   1106.1,   0.0);   (464603.4,
3807601.9,   1105.8,   1105.8,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (464623.4, 3807601.9,   1105.4,   1105.4,   0.0);   (464643.4,
3807601.9,   1105.1,   1105.1,   0.0);
     (464663.4, 3807601.9,   1104.8,   1104.8,   0.0);   (464683.4,
3807601.9,   1104.4,   1104.4,   0.0);
     (464703.4, 3807601.9,   1104.1,   1104.1,   0.0);   (464723.4,
3807601.9,   1104.0,   1104.0,   0.0);
     (464743.4, 3807601.9,   1103.9,   1103.9,   0.0);   (464763.4,
3807601.9,   1103.6,   1103.6,   0.0);
     (464783.4, 3807601.9,   1103.3,   1103.3,   0.0);   (464803.4,

```
3807601.9,    1102.9,    1102.9,       0.0);
     ( 464823.4, 3807601.9,    1102.6,    1102.6,       0.0);         ( 464843.4,
3807601.9,    1102.3,    1102.3,       0.0);
     ( 464863.4, 3807601.9,    1101.9,    1101.9,       0.0);         ( 464883.4,
3807601.9,    1101.6,    1101.6,       0.0);
     ( 464903.4, 3807601.9,    1101.3,    1101.3,       0.0);         ( 464923.4,
3807601.9,    1100.9,    1100.9,       0.0);
     ( 464503.4, 3807621.9,    1106.7,    1106.7,       0.0);         ( 464523.4,
3807621.9,    1106.2,    1106.2,       0.0);
     ( 464543.4, 3807621.9,    1106.0,    1106.0,       0.0);         ( 464563.4,
3807621.9,    1106.0,    1106.0,       0.0);
     ( 464583.4, 3807621.9,    1105.8,    1105.8,       0.0);         ( 464603.4,
3807621.9,    1105.4,    1105.4,       0.0);
     ( 464623.4, 3807621.9,    1105.0,    1105.0,       0.0);         ( 464643.4,
3807621.9,    1104.8,    1104.8,       0.0);
     ( 464663.4, 3807621.9,    1104.4,    1104.4,       0.0);         ( 464683.4,
3807621.9,    1104.0,    1104.0,       0.0);
     ( 464703.4, 3807621.9,    1104.0,    1104.0,       0.0);         ( 464723.4,
3807621.9,    1103.9,    1103.9,       0.0);
     ( 464743.4, 3807621.9,    1103.7,    1103.7,       0.0);         ( 464763.4,
3807621.9,    1103.2,    1103.2,       0.0);
     ( 464783.4, 3807621.9,    1102.9,    1102.9,       0.0);         ( 464803.4,
3807621.9,    1102.7,    1102.7,       0.0);
     ( 464823.4, 3807621.9,    1102.2,    1102.2,       0.0);         ( 464843.4,
3807621.9,    1101.9,    1101.9,       0.0);
     ( 464863.4, 3807621.9,    1101.7,    1101.7,       0.0);         ( 464883.4,
3807621.9,    1101.2,    1101.2,       0.0);
     ( 464903.4, 3807621.9,    1100.9,    1100.9,       0.0);         ( 464923.4,
3807621.9,    1100.7,    1100.7,       0.0);
     ( 464503.4, 3807641.9,    1106.1,    1106.1,       0.0);         ( 464523.4,
3807641.9,    1106.0,    1106.0,       0.0);
     ( 464543.4, 3807641.9,    1106.0,    1106.0,       0.0);         ( 464563.4,
3807641.9,    1105.9,    1105.9,       0.0);
     ( 464583.4, 3807641.9,    1105.3,    1105.3,       0.0);         ( 464603.4,
3807641.9,    1105.1,    1105.1,       0.0);
     ( 464623.4, 3807641.9,    1104.9,    1104.9,       0.0);         ( 464643.4,
3807641.9,    1104.3,    1104.3,       0.0);
     ( 464663.4, 3807641.9,    1104.1,    1104.1,       0.0);         ( 464683.4,
3807641.9,    1104.0,    1104.0,       0.0);
     ( 464703.4, 3807641.9,    1104.0,    1104.0,       0.0);         ( 464723.4,
3807641.9,    1103.6,    1103.6,       0.0);
     ( 464743.4, 3807641.9,    1103.1,    1103.1,       0.0);         ( 464763.4,
3807641.9,    1103.0,    1103.0,       0.0);
     ( 464783.4, 3807641.9,    1102.6,    1102.6,       0.0);         ( 464803.4,
3807641.9,    1102.1,    1102.1,       0.0);
     ( 464823.4, 3807641.9,    1102.0,    1102.0,       0.0);         ( 464843.4,
3807641.9,    1101.6,    1101.6,       0.0);
     ( 464863.4, 3807641.9,    1101.1,    1101.1,       0.0);         ( 464883.4,
3807641.9,    1101.0,    1101.0,       0.0);
     ( 464903.4, 3807641.9,    1100.6,    1100.6,       0.0);         ( 464923.4,
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3807641.9,   1100.1,   1100.1,   0.0);
     (464503.4, 3807661.9,   1105.5,   1105.5,   0.0);   (464523.4,
3807661.9,   1105.5,   1105.5,   0.0);
     (464543.4, 3807661.9,   1105.5,   1105.5,   0.0);   (464563.4,
3807661.9,   1105.4,   1105.4,   0.0);
     (464583.4, 3807661.9,   1105.1,   1105.1,   0.0);   (464603.4,
3807661.9,   1104.8,   1104.8,   0.0);
     (464623.4, 3807661.9,   1104.4,   1104.4,   0.0);   (464643.4,
3807661.9,   1104.1,   1104.1,   0.0);
     (464663.4, 3807661.9,   1103.8,   1103.8,   0.0);   (464683.4,
3807661.9,   1103.5,   1103.5,   0.0);
     (464703.4, 3807661.9,   1103.5,   1103.5,   0.0);   (464723.4,
3807661.9,   1103.3,   1103.3,   0.0);
     (464743.4, 3807661.9,   1102.9,   1102.9,   0.0);   (464763.4,
3807661.9,   1102.6,   1102.6,   0.0);
     (464783.4, 3807661.9,   1102.3,   1102.3,   0.0);   (464803.4,
3807661.9,   1101.9,   1101.9,   0.0);
     (464823.4, 3807661.9,   1101.6,   1101.6,   0.0);   (464843.4,
3807661.9,   1101.3,   1101.3,   0.0);
     (464863.4, 3807661.9,   1100.9,   1100.9,   0.0);   (464883.4,
3807661.9,   1100.6,   1100.6,   0.0);
     (464903.4, 3807661.9,   1100.3,   1100.3,   0.0);   (464923.4,
3807661.9,   1099.9,   1099.9,   0.0);
     (464503.4, 3807681.9,   1104.8,   1104.8,   0.0);   (464523.4,
3807681.9,   1104.8,   1104.8,   0.0);
     (464543.4, 3807681.9,   1104.8,   1104.8,   0.0);   (464563.4,
3807681.9,   1104.8,   1104.8,   0.0);
     (464583.4, 3807681.9,   1104.8,   1104.8,   0.0);   (464603.4,
3807681.9,   1104.4,   1104.4,   0.0);
     (464623.4, 3807681.9,   1104.0,   1104.0,   0.0);   (464643.4,
3807681.9,   1103.8,   1103.8,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (464663.4, 3807681.9,   1103.4,   1103.4,   0.0);   (464683.4,
3807681.9,   1103.0,   1103.0,   0.0);
     (464703.4, 3807681.9,   1102.8,   1102.8,   0.0);   (464723.4,
3807681.9,   1102.8,   1102.8,   0.0);
     (464743.4, 3807681.9,   1102.7,   1102.7,   0.0);   (464763.4,
3807681.9,   1102.2,   1102.2,   0.0);
     (464783.4, 3807681.9,   1101.9,   1101.9,   0.0);   (464803.4,

3807681.9,   1101.7,   1101.7,   0.0);
     (464823.4, 3807681.9,   1101.2,   1101.2,   0.0);   (464843.4,
3807681.9,   1100.9,   1100.9,   0.0);
     (464863.4, 3807681.9,   1100.7,   1100.7,   0.0);   (464883.4,
3807681.9,   1100.2,   1100.2,   0.0);
     (464903.4, 3807681.9,   1099.9,   1099.9,   0.0);   (464923.4,
3807681.9,   1099.7,   1099.7,   0.0);
     (464523.4, 3807701.9,   1104.1,   1104.1,   0.0);   (464543.4,
3807701.9,   1104.1,   1104.1,   0.0);
     (464563.4, 3807701.9,   1104.1,   1104.1,   0.0);   (464583.4,
3807701.9,   1104.1,   1104.1,   0.0);
     (464603.4, 3807701.9,   1104.1,   1104.1,   0.0);   (464623.4,
3807701.9,   1103.9,   1103.9,   0.0);
     (464643.4, 3807701.9,   1103.3,   1103.3,   0.0);   (464663.4,
3807701.9,   1103.1,   1103.1,   0.0);
     (464683.4, 3807701.9,   1102.9,   1102.9,   0.0);   (464703.4,
3807701.9,   1102.3,   1102.3,   0.0);
     (464723.4, 3807701.9,   1102.1,   1102.1,   0.0);   (464743.4,
3807701.9,   1102.1,   1102.1,   0.0);
     (464763.4, 3807701.9,   1102.0,   1102.0,   0.0);   (464783.4,
3807701.9,   1101.6,   1101.6,   0.0);
     (464803.4, 3807701.9,   1101.1,   1101.1,   0.0);   (464823.4,
3807701.9,   1101.0,   1101.0,   0.0);
     (464843.4, 3807701.9,   1100.6,   1100.6,   0.0);   (464863.4,
3807701.9,   1100.1,   1100.1,   0.0);
     (464883.4, 3807701.9,   1100.0,   1100.0,   0.0);   (464903.4,
3807701.9,   1099.6,   1099.6,   0.0);
     (464923.4, 3807701.9,   1099.1,   1099.1,   0.0);   (464543.4,
3807721.9,   1103.7,   1103.7,   0.0);
     (464563.4, 3807721.9,   1104.0,   1104.0,   0.0);   (464583.4,
3807721.9,   1104.0,   1104.0,   0.0);
     (464603.4, 3807721.9,   1104.0,   1104.0,   0.0);   (464623.4,
3807721.9,   1103.9,   1103.9,   0.0);
     (464643.4, 3807721.9,   1103.2,   1103.2,   0.0);   (464663.4,
3807721.9,   1102.8,   1102.8,   0.0);
     (464683.4, 3807721.9,   1102.4,   1102.4,   0.0);   (464703.4,
3807721.9,   1102.1,   1102.1,   0.0);
     (464723.4, 3807721.9,   1102.0,   1102.0,   0.0);   (464743.4,
3807721.9,   1101.9,   1101.9,   0.0);
     (464763.4, 3807721.9,   1101.6,   1101.6,   0.0);   (464783.4,
3807721.9,   1101.3,   1101.3,   0.0);
     (464803.4, 3807721.9,   1100.9,   1100.9,   0.0);   (464823.4,
3807721.9,   1100.6,   1100.6,   0.0);
     (464843.4, 3807721.9,   1100.3,   1100.3,   0.0);   (464863.4,
3807721.9,   1099.9,   1099.9,   0.0);
     (464883.4, 3807721.9,   1099.6,   1099.6,   0.0);   (464903.4,
3807721.9,   1099.3,   1099.3,   0.0);
     (464923.4, 3807721.9,   1098.9,   1098.9,   0.0);   (464943.4,
3807721.9,   1098.6,   1098.6,   0.0);
     (464963.4, 3807721.9,   1098.3,   1098.3,   0.0);   (464983.4,

3807721.9,   1097.9,   1097.9,   0.0);
     (465003.4, 3807721.9,   1097.6,   1097.6,   0.0);   (465023.4,
3807721.9,   1097.3,   1097.3,   0.0);
     (465043.4, 3807721.9,   1096.9,   1096.9,   0.0);   (465063.4,
3807721.9,   1096.6,   1096.6,   0.0);
     (465083.4, 3807721.9,   1096.3,   1096.3,   0.0);   (465103.4,
3807721.9,   1096.0,   1096.0,   0.0);
     (465123.4, 3807721.9,   1096.0,   1096.0,   0.0);   (465143.4,
3807721.9,   1095.8,   1095.8,   0.0);
     (465163.4, 3807721.9,   1095.5,   1095.5,   0.0);   (465183.4,
3807721.9,   1095.5,   1095.5,   0.0);
     (465203.4, 3807721.9,   1095.3,   1095.3,   0.0);   (465223.4,
3807721.9,   1094.9,   1094.9,   0.0);
     (465243.4, 3807721.9,   1094.6,   1094.6,   0.0);   (465263.4,
3807721.9,   1094.3,   1094.3,   0.0);
     (465283.4, 3807721.9,   1094.0,   1094.0,   0.0);   (465303.4,
3807721.9,   1094.0,   1094.0,   0.0);
     (465323.4, 3807721.9,   1093.8,   1093.8,   0.0);   (465343.4,
3807721.9,   1093.5,   1093.5,   0.0);
     (465363.4, 3807721.9,   1093.5,   1093.5,   0.0);   (465383.4,
3807721.9,   1093.3,   1093.3,   0.0);
     (464543.4, 3807741.9,   1102.9,   1102.9,   0.0);   (464563.4,
3807741.9,   1103.6,   1103.6,   0.0);
     (464583.4, 3807741.9,   1103.8,   1103.8,   0.0);   (464603.4,
3807741.9,   1103.8,   1103.8,   0.0);
     (464623.4, 3807741.9,   1103.7,   1103.7,   0.0);   (464643.4,
3807741.9,   1103.0,   1103.0,   0.0);
     (464663.4, 3807741.9,   1102.4,   1102.4,   0.0);   (464683.4,
3807741.9,   1102.0,   1102.0,   0.0);
     (464703.4, 3807741.9,   1102.0,   1102.0,   0.0);   (464723.4,
3807741.9,   1101.9,   1101.9,   0.0);
     (464743.4, 3807741.9,   1101.7,   1101.7,   0.0);   (464763.4,
3807741.9,   1101.2,   1101.2,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (464783.4, 3807741.9,   1100.9,   1100.9,   0.0);   (464803.4,
3807741.9,   1100.7,   1100.7,   0.0);
     (464823.4, 3807741.9,   1100.2,   1100.2,   0.0);   (464843.4,
3807741.9,   1100.0,   1100.0,   0.0);
     (464863.4, 3807741.9,   1099.9,   1099.9,   0.0);   (464883.4,

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3807741.9,    1099.2,    1099.2,       0.0);
     ( 464903.4, 3807741.9,    1099.0,    1099.0,       0.0);         ( 464923.4,
3807741.9,    1098.9,    1098.9,       0.0);
     ( 464943.4, 3807741.9,    1098.2,    1098.2,       0.0);         ( 464963.4,
3807741.9,    1098.0,    1098.0,       0.0);
     ( 464983.4, 3807741.9,    1097.9,    1097.9,       0.0);         ( 465003.4,
3807741.9,    1097.2,    1097.2,       0.0);
     ( 465023.4, 3807741.9,    1096.9,    1096.9,       0.0);         ( 465043.4,
3807741.9,    1096.7,    1096.7,       0.0);
     ( 465063.4, 3807741.9,    1096.2,    1096.2,       0.0);         ( 465083.4,
3807741.9,    1096.0,    1096.0,       0.0);
     ( 465103.4, 3807741.9,    1096.0,    1096.0,       0.0);         ( 465123.4,
3807741.9,    1095.8,    1095.8,       0.0);
     ( 465143.4, 3807741.9,    1095.4,    1095.4,       0.0);         ( 465163.4,
3807741.9,    1095.0,    1095.0,       0.0);
     ( 465183.4, 3807741.9,    1094.8,    1094.8,       0.0);         ( 465203.4,
3807741.9,    1094.8,    1094.8,       0.0);
     ( 465223.4, 3807741.9,    1094.7,    1094.7,       0.0);         ( 465243.4,
3807741.9,    1094.2,    1094.2,       0.0);
     ( 465263.4, 3807741.9,    1094.0,    1094.0,       0.0);         ( 465283.4,
3807741.9,    1094.0,    1094.0,       0.0);
     ( 465303.4, 3807741.9,    1093.8,    1093.8,       0.0);         ( 465323.4,
3807741.9,    1093.4,    1093.4,       0.0);
     ( 465343.4, 3807741.9,    1093.0,    1093.0,       0.0);         ( 465363.4,
3807741.9,    1092.8,    1092.8,       0.0);
     ( 465383.4, 3807741.9,    1092.8,    1092.8,       0.0);         ( 464543.4,
3807761.9,    1101.2,    1101.2,       0.0);
     ( 464563.4, 3807761.9,    1102.4,    1102.4,       0.0);         ( 464583.4,
3807761.9,    1103.0,    1103.0,       0.0);
     ( 464603.4, 3807761.9,    1103.1,    1103.1,       0.0);         ( 464623.4,
3807761.9,    1103.0,    1103.0,       0.0);
     ( 464643.4, 3807761.9,    1102.3,    1102.3,       0.0);         ( 464663.4,
3807761.9,    1102.1,    1102.1,       0.0);
     ( 464683.4, 3807761.9,    1102.0,    1102.0,       0.0);         ( 464703.4,
3807761.9,    1102.0,    1102.0,       0.0);
     ( 464723.4, 3807761.9,    1101.6,    1101.6,       0.0);         ( 464743.4,
3807761.9,    1101.1,    1101.1,       0.0);
     ( 464763.4, 3807761.9,    1101.0,    1101.0,       0.0);         ( 464783.4,
3807761.9,    1100.6,    1100.6,       0.0);
     ( 464803.4, 3807761.9,    1100.1,    1100.1,       0.0);         ( 464823.4,
3807761.9,    1100.0,    1100.0,       0.0);
     ( 464843.4, 3807761.9,    1100.0,    1100.0,       0.0);         ( 464863.4,
3807761.9,    1099.9,    1099.9,       0.0);
     ( 464883.4, 3807761.9,    1099.2,    1099.2,       0.0);         ( 464903.4,
3807761.9,    1099.0,    1099.0,       0.0);
     ( 464923.4, 3807761.9,    1098.9,    1098.9,       0.0);         ( 464943.4,
3807761.9,    1098.2,    1098.2,       0.0);
     ( 464963.4, 3807761.9,    1098.0,    1098.0,       0.0);         ( 464983.4,
3807761.9,    1097.9,    1097.9,       0.0);
     ( 465003.4, 3807761.9,    1097.2,    1097.2,       0.0);         ( 465023.4,
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3807761.9,   1096.6,   1096.6,   0.0);
     (465043.4, 3807761.9,   1096.1,   1096.1,   0.0);   (465063.4,
3807761.9,   1096.0,   1096.0,   0.0);
     (465083.4, 3807761.9,   1096.0,   1096.0,   0.0);   (465103.4,
3807761.9,   1095.9,   1095.9,   0.0);
     (465123.4, 3807761.9,   1095.3,   1095.3,   0.0);   (465143.4,
3807761.9,   1095.1,   1095.1,   0.0);
     (465163.4, 3807761.9,   1094.9,   1094.9,   0.0);   (465183.4,
3807761.9,   1094.3,   1094.3,   0.0);
     (465203.4, 3807761.9,   1094.1,   1094.1,   0.0);   (465223.4,
3807761.9,   1094.1,   1094.1,   0.0);
     (465243.4, 3807761.9,   1094.0,   1094.0,   0.0);   (465263.4,
3807761.9,   1094.0,   1094.0,   0.0);
     (465283.4, 3807761.9,   1093.9,   1093.9,   0.0);   (465303.4,
3807761.9,   1093.3,   1093.3,   0.0);
     (465323.4, 3807761.9,   1093.1,   1093.1,   0.0);   (465343.4,
3807761.9,   1092.9,   1092.9,   0.0);
     (465363.4, 3807761.9,   1092.3,   1092.3,   0.0);   (465383.4,
3807761.9,   1092.1,   1092.1,   0.0);
     (464543.4, 3807781.9,   1099.3,   1102.0,   0.0);   (464563.4,
3807781.9,   1100.5,   1100.5,   0.0);
     (464583.4, 3807781.9,   1101.2,   1103.0,   0.0);   (464603.4,
3807781.9,   1101.6,   1101.6,   0.0);
     (464623.4, 3807781.9,   1101.9,   1101.9,   0.0);   (464643.4,
3807781.9,   1102.0,   1102.0,   0.0);
     (464663.4, 3807781.9,   1101.8,   1101.8,   0.0);   (464683.4,
3807781.9,   1101.5,   1101.5,   0.0);
     (464703.4, 3807781.9,   1101.5,   1101.5,   0.0);   (464723.4,
3807781.9,   1101.3,   1101.3,   0.0);
     (464743.4, 3807781.9,   1100.9,   1100.9,   0.0);   (464763.4,
3807781.9,   1100.6,   1100.6,   0.0);
     (464783.4, 3807781.9,   1100.3,   1100.3,   0.0);   (464803.4,
3807781.9,   1100.0,   1100.0,   0.0);
     (464823.4, 3807781.9,   1100.0,   1100.0,   0.0);   (464843.4,
3807781.9,   1099.8,   1099.8,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (464863.4, 3807781.9,   1099.4,   1099.4,   0.0);   (464883.4,
3807781.9,   1099.1,   1099.1,   0.0);
     (464903.4, 3807781.9,   1098.8,   1098.8,   0.0);   (464923.4,

3807781.9,   1098.4,   1098.4,   0.0);
     (464943.4, 3807781.9,   1098.1,   1098.1,   0.0);   (464963.4,
3807781.9,   1097.8,   1097.8,   0.0);
     (464983.4, 3807781.9,   1097.4,   1097.4,   0.0);   (465003.4,
3807781.9,   1097.1,   1097.1,   0.0);
     (465023.4, 3807781.9,   1096.5,   1096.5,   0.0);   (465043.4,
3807781.9,   1096.0,   1096.0,   0.0);
     (465063.4, 3807781.9,   1096.0,   1096.0,   0.0);   (465083.4,
3807781.9,   1095.8,   1095.8,   0.0);
     (465103.4, 3807781.9,   1095.4,   1095.4,   0.0);   (465123.4,
3807781.9,   1095.1,   1095.1,   0.0);
     (465143.4, 3807781.9,   1094.8,   1094.8,   0.0);   (465163.4,
3807781.9,   1094.4,   1094.4,   0.0);
     (465183.4, 3807781.9,   1094.1,   1094.1,   0.0);   (465203.4,
3807781.9,   1094.0,   1094.0,   0.0);
     (465223.4, 3807781.9,   1093.9,   1093.9,   0.0);   (465243.4,
3807781.9,   1093.6,   1093.6,   0.0);
     (465263.4, 3807781.9,   1093.5,   1093.5,   0.0);   (465283.4,
3807781.9,   1093.4,   1093.4,   0.0);
     (465303.4, 3807781.9,   1093.1,   1093.1,   0.0);   (465323.4,
3807781.9,   1092.8,   1092.8,   0.0);
     (465343.4, 3807781.9,   1092.4,   1092.4,   0.0);   (465363.4,
3807781.9,   1092.1,   1092.1,   0.0);
     (465383.4, 3807781.9,   1092.0,   1092.0,   0.0);   (464543.4,
3807801.9,   1097.4,   1102.0,   0.0);
     (464563.4, 3807801.9,   1098.5,   1098.5,   0.0);   (464583.4,
3807801.9,   1099.3,   1103.0,   0.0);
     (464603.4, 3807801.9,   1100.1,   1100.1,   0.0);   (464623.4,
3807801.9,   1100.9,   1100.9,   0.0);
     (464643.4, 3807801.9,   1101.6,   1101.6,   0.0);   (464663.4,
3807801.9,   1101.4,   1101.4,   0.0);
     (464683.4, 3807801.9,   1101.0,   1101.0,   0.0);   (464703.4,
3807801.9,   1101.0,   1101.0,   0.0);
     (464723.4, 3807801.9,   1100.9,   1100.9,   0.0);   (464743.4,
3807801.9,   1100.7,   1100.7,   0.0);
     (464763.4, 3807801.9,   1100.2,   1100.2,   0.0);   (464783.4,
3807801.9,   1100.0,   1100.0,   0.0);
     (464803.4, 3807801.9,   1100.0,   1100.0,   0.0);   (464823.4,
3807801.9,   1099.8,   1099.8,   0.0);
     (464843.4, 3807801.9,   1099.4,   1099.4,   0.0);   (464863.4,
3807801.9,   1099.0,   1099.0,   0.0);
     (464883.4, 3807801.9,   1098.8,   1098.8,   0.0);   (464903.4,
3807801.9,   1098.4,   1098.4,   0.0);
     (464923.4, 3807801.9,   1098.0,   1098.0,   0.0);   (464943.4,
3807801.9,   1097.8,   1097.8,   0.0);
     (464963.4, 3807801.9,   1097.4,   1097.4,   0.0);   (464983.4,
3807801.9,   1097.0,   1097.0,   0.0);
     (465003.4, 3807801.9,   1096.8,   1096.8,   0.0);   (465023.4,
3807801.9,   1096.4,   1096.4,   0.0);
     (465043.4, 3807801.9,   1096.0,   1096.0,   0.0);   (465063.4,

3807801.9,   1095.8,   1095.8,   0.0);
     (465083.4, 3807801.9,   1095.4,   1095.4,   0.0);   (465103.4,
3807801.9,   1095.0,   1095.0,   0.0);
     (465123.4, 3807801.9,   1094.8,   1094.8,   0.0);   (465143.4,
3807801.9,   1094.4,   1094.4,   0.0);
     (465163.4, 3807801.9,   1094.0,   1094.0,   0.0);   (465183.4,
3807801.9,   1094.0,   1094.0,   0.0);
     (465203.4, 3807801.9,   1093.9,   1093.9,   0.0);   (465223.4,
3807801.9,   1093.7,   1093.7,   0.0);
     (465243.4, 3807801.9,   1093.2,   1093.2,   0.0);   (465263.4,
3807801.9,   1093.0,   1093.0,   0.0);
     (465283.4, 3807801.9,   1093.0,   1093.0,   0.0);   (465303.4,
3807801.9,   1092.8,   1092.8,   0.0);
     (465323.4, 3807801.9,   1092.4,   1092.4,   0.0);   (465343.4,
3807801.9,   1092.0,   1092.0,   0.0);
     (465363.4, 3807801.9,   1092.0,   1092.0,   0.0);   (465383.4,
3807801.9,   1091.9,   1091.9,   0.0);
     (464543.4, 3807821.9,   1095.8,   1102.0,   0.0);   (464563.4,
3807821.9,   1096.6,   1103.0,   0.0);
     (464583.4, 3807821.9,   1097.9,   1097.9,   0.0);   (464603.4,
3807821.9,   1099.1,   1099.1,   0.0);
     (464623.4, 3807821.9,   1100.2,   1100.2,   0.0);   (464643.4,
3807821.9,   1100.9,   1100.9,   0.0);
     (464663.4, 3807821.9,   1101.1,   1101.1,   0.0);   (464683.4,
3807821.9,   1101.0,   1101.0,   0.0);
     (464703.4, 3807821.9,   1101.0,   1101.0,   0.0);   (464723.4,
3807821.9,   1100.6,   1100.6,   0.0);
     (464743.4, 3807821.9,   1100.1,   1100.1,   0.0);   (464763.4,
3807821.9,   1100.0,   1100.0,   0.0);
     (464783.4, 3807821.9,   1100.0,   1100.0,   0.0);   (464803.4,
3807821.9,   1099.9,   1099.9,   0.0);
     (464823.4, 3807821.9,   1099.3,   1099.3,   0.0);   (464843.4,
3807821.9,   1099.1,   1099.1,   0.0);
     (464863.4, 3807821.9,   1098.9,   1098.9,   0.0);   (464883.4,
3807821.9,   1098.3,   1098.3,   0.0);
     (464903.4, 3807821.9,   1098.1,   1098.1,   0.0);   (464923.4,
3807821.9,   1097.9,   1097.9,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (464943.4, 3807821.9,   1097.3,   1097.3,   0.0);   (464963.4,

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3807821.9,    1097.1,    1097.1,       0.0);
     ( 464983.4, 3807821.9,    1096.9,    1096.9,       0.0);         ( 465003.4,
3807821.9,    1096.3,    1096.3,       0.0);
     ( 465023.4, 3807821.9,    1096.1,    1096.1,       0.0);         ( 465043.4,
3807821.9,    1095.9,    1095.9,       0.0);
     ( 465063.4, 3807821.9,    1095.3,    1095.3,       0.0);         ( 465083.4,
3807821.9,    1095.1,    1095.1,       0.0);
     ( 465103.4, 3807821.9,    1094.9,    1094.9,       0.0);         ( 465123.4,
3807821.9,    1094.3,    1094.3,       0.0);
     ( 465143.4, 3807821.9,    1094.1,    1094.1,       0.0);         ( 465163.4,
3807821.9,    1094.0,    1094.0,       0.0);
     ( 465183.4, 3807821.9,    1094.0,    1094.0,       0.0);         ( 465203.4,
3807821.9,    1093.6,    1093.6,       0.0);
     ( 465223.4, 3807821.9,    1093.1,    1093.1,       0.0);         ( 465243.4,
3807821.9,    1093.0,    1093.0,       0.0);
     ( 465263.4, 3807821.9,    1093.0,    1093.0,       0.0);         ( 465283.4,
3807821.9,    1092.9,    1092.9,       0.0);
     ( 465303.4, 3807821.9,    1092.3,    1092.3,       0.0);         ( 465323.4,
3807821.9,    1092.1,    1092.1,       0.0);
     ( 465343.4, 3807821.9,    1092.0,    1092.0,       0.0);         ( 465363.4,
3807821.9,    1092.0,    1092.0,       0.0);
     ( 465383.4, 3807821.9,    1091.6,    1091.6,       0.0);         ( 464543.4,
3807841.9,    1093.6,    1103.0,       0.0);
     ( 464563.4, 3807841.9,    1094.2,    1103.0,       0.0);         ( 464583.4,
3807841.9,    1095.8,    1100.0,       0.0);
     ( 464603.4, 3807841.9,    1097.5,    1100.0,       0.0);         ( 464623.4,
3807841.9,    1099.0,    1099.0,       0.0);
     ( 464643.4, 3807841.9,    1099.7,    1099.7,       0.0);         ( 464663.4,
3807841.9,    1100.2,    1100.2,       0.0);
     ( 464683.4, 3807841.9,    1100.5,    1100.5,       0.0);         ( 464723.4,
3807841.9,    1100.3,    1100.3,       0.0);
     ( 464743.4, 3807841.9,    1100.0,    1100.0,       0.0);         ( 464763.4,
3807841.9,    1100.0,    1100.0,       0.0);
     ( 464783.4, 3807841.9,    1099.8,    1099.8,       0.0);         ( 464803.4,
3807841.9,    1099.4,    1099.4,       0.0);
     ( 464823.4, 3807841.9,    1099.1,    1099.1,       0.0);         ( 464843.4,
3807841.9,    1098.8,    1098.8,       0.0);
     ( 464863.4, 3807841.9,    1098.4,    1098.4,       0.0);         ( 464883.4,
3807841.9,    1098.1,    1098.1,       0.0);
     ( 464903.4, 3807841.9,    1097.8,    1097.8,       0.0);         ( 464923.4,
3807841.9,    1097.4,    1097.4,       0.0);
     ( 464943.4, 3807841.9,    1097.1,    1097.1,       0.0);         ( 464963.4,
3807841.9,    1096.8,    1096.8,       0.0);
     ( 464983.4, 3807841.9,    1096.4,    1096.4,       0.0);         ( 465003.4,
3807841.9,    1096.1,    1096.1,       0.0);
     ( 465023.4, 3807841.9,    1095.8,    1095.8,       0.0);         ( 465043.4,
3807841.9,    1095.4,    1095.4,       0.0);
     ( 465063.4, 3807841.9,    1095.1,    1095.1,       0.0);         ( 465083.4,
3807841.9,    1094.8,    1094.8,       0.0);
     ( 465103.4, 3807841.9,    1094.4,    1094.4,       0.0);         ( 465123.4,
```

3807841.9,   1094.1,   1094.1,   0.0);
     (465143.4, 3807841.9,   1093.8,   1093.8,   0.0);   (465163.4,
3807841.9,   1093.5,   1093.5,   0.0);
     (465183.4, 3807841.9,   1093.5,   1093.5,   0.0);   (465203.4,
3807841.9,   1093.3,   1093.3,   0.0);
     (465223.4, 3807841.9,   1092.9,   1092.9,   0.0);   (465243.4,
3807841.9,   1092.6,   1092.6,   0.0);
     (465263.4, 3807841.9,   1092.5,   1092.5,   0.0);   (465283.4,
3807841.9,   1092.4,   1092.4,   0.0);
     (465303.4, 3807841.9,   1092.1,   1092.1,   0.0);   (465323.4,
3807841.9,   1092.0,   1092.0,   0.0);
     (465343.4, 3807841.9,   1091.9,   1091.9,   0.0);   (465363.4,
3807841.9,   1091.6,   1091.6,   0.0);
     (465383.4, 3807841.9,   1091.3,   1091.3,   0.0);   (464503.4,
3807861.9,   1092.7,   1104.0,   0.0);
     (464523.4, 3807861.9,   1092.0,   1092.0,   0.0);   (464543.4,
3807861.9,   1091.8,   1103.0,   0.0);
     (464563.4, 3807861.9,   1092.1,   1103.0,   0.0);   (464583.4,
3807861.9,   1093.7,   1100.0,   0.0);
     (464603.4, 3807861.9,   1095.5,   1100.0,   0.0);   (464723.4,
3807861.9,   1100.0,   1100.0,   0.0);
     (464743.4, 3807861.9,   1100.0,   1100.0,   0.0);   (464763.4,
3807861.9,   1100.0,   1100.0,   0.0);
     (464783.4, 3807861.9,   1099.5,   1099.5,   0.0);   (464803.4,
3807861.9,   1099.0,   1099.0,   0.0);
     (464823.4, 3807861.9,   1098.8,   1098.8,   0.0);   (464843.4,
3807861.9,   1098.4,   1098.4,   0.0);
     (464863.4, 3807861.9,   1098.0,   1098.0,   0.0);   (464883.4,
3807861.9,   1097.8,   1097.8,   0.0);
     (464903.4, 3807861.9,   1097.4,   1097.4,   0.0);   (464923.4,
3807861.9,   1097.0,   1097.0,   0.0);
     (464943.4, 3807861.9,   1096.8,   1096.8,   0.0);   (464963.4,
3807861.9,   1096.4,   1096.4,   0.0);
     (464983.4, 3807861.9,   1096.0,   1096.0,   0.0);   (465003.4,
3807861.9,   1095.8,   1095.8,   0.0);
     (465023.4, 3807861.9,   1095.4,   1095.4,   0.0);   (465043.4,
3807861.9,   1095.0,   1095.0,   0.0);
     (465063.4, 3807861.9,   1094.8,   1094.8,   0.0);   (465083.4,
3807861.9,   1094.4,   1094.4,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                          (METERS)

(465103.4, 3807861.9, 1094.0, 1094.0, 0.0); (465123.4, 3807861.9, 1093.8, 1093.8, 0.0);
(465143.4, 3807861.9, 1093.4, 1093.4, 0.0); (465163.4, 3807861.9, 1093.0, 1093.0, 0.0);
(465183.4, 3807861.9, 1092.8, 1092.8, 0.0); (465203.4, 3807861.9, 1092.8, 1092.8, 0.0);
(465223.4, 3807861.9, 1092.7, 1092.7, 0.0); (465243.4, 3807861.9, 1092.2, 1092.2, 0.0);
(465263.4, 3807861.9, 1092.0, 1092.0, 0.0); (465283.4, 3807861.9, 1092.0, 1092.0, 0.0);
(465303.4, 3807861.9, 1091.8, 1091.8, 0.0); (465323.4, 3807861.9, 1091.8, 1091.8, 0.0);
(465343.4, 3807861.9, 1091.7, 1091.7, 0.0); (465363.4, 3807861.9, 1091.2, 1091.2, 0.0);
(465383.4, 3807861.9, 1090.9, 1090.9, 0.0); (464503.4, 3807881.9, 1092.0, 1104.0, 0.0);
(464523.4, 3807881.9, 1091.3, 1104.0, 0.0); (464543.4, 3807881.9, 1091.1, 1091.1, 0.0);
(464723.4, 3807881.9, 1100.0, 1100.0, 0.0); (464743.4, 3807881.9, 1100.0, 1100.0, 0.0);
(464763.4, 3807881.9, 1100.0, 1100.0, 0.0); (464783.4, 3807881.9, 1099.5, 1099.5, 0.0);
(464803.4, 3807881.9, 1098.9, 1098.9, 0.0); (464823.4, 3807881.9, 1098.3, 1098.3, 0.0);
(464843.4, 3807881.9, 1098.1, 1098.1, 0.0); (464863.4, 3807881.9, 1097.9, 1097.9, 0.0);
(464883.4, 3807881.9, 1097.3, 1097.3, 0.0); (464903.4, 3807881.9, 1097.1, 1097.1, 0.0);
(464923.4, 3807881.9, 1096.9, 1096.9, 0.0); (464943.4, 3807881.9, 1096.3, 1096.3, 0.0);
(464963.4, 3807881.9, 1096.1, 1096.1, 0.0); (464983.4, 3807881.9, 1095.9, 1095.9, 0.0);
(465003.4, 3807881.9, 1095.3, 1095.3, 0.0); (465023.4, 3807881.9, 1095.1, 1095.1, 0.0);
(465043.4, 3807881.9, 1094.9, 1094.9, 0.0); (465063.4, 3807881.9, 1094.3, 1094.3, 0.0);
(465083.4, 3807881.9, 1094.1, 1094.1, 0.0); (465103.4, 3807881.9, 1093.9, 1093.9, 0.0);
(465123.4, 3807881.9, 1093.3, 1093.3, 0.0); (465143.4, 3807881.9, 1093.1, 1093.1, 0.0);
(465163.4, 3807881.9, 1092.9, 1092.9, 0.0); (465183.4, 3807881.9, 1092.3, 1092.3, 0.0);
(465203.4, 3807881.9, 1092.1, 1092.1, 0.0); (465223.4, 3807881.9, 1092.1, 1092.1, 0.0);
(465243.4, 3807881.9, 1092.0, 1092.0, 0.0); (465263.4, 3807881.9, 1092.0, 1092.0, 0.0);
(465283.4, 3807881.9, 1091.9, 1091.9, 0.0); (465303.4, 3807881.9, 1091.3, 1091.3, 0.0);
(465323.4, 3807881.9, 1091.1, 1091.1, 0.0); (465343.4,

3807881.9,   1091.1,   1091.1,   0.0);
     (465363.4, 3807881.9,   1091.0,   1091.0,   0.0);   (465383.4,
3807881.9,   1090.6,   1090.6,   0.0);
     (464723.4, 3807901.9,   1099.4,   1099.4,   0.0);   (464743.4,
3807901.9,   1099.9,   1099.9,   0.0);
     (464763.4, 3807901.9,   1099.6,   1099.6,   0.0);   (464783.4,
3807901.9,   1099.3,   1099.3,   0.0);
     (464803.4, 3807901.9,   1098.9,   1098.9,   0.0);   (464823.4,
3807901.9,   1098.2,   1098.2,   0.0);
     (464843.4, 3807901.9,   1098.0,   1098.0,   0.0);   (464863.4,
3807901.9,   1097.9,   1097.9,   0.0);
     (464883.4, 3807901.9,   1097.2,   1097.2,   0.0);   (464903.4,
3807901.9,   1096.8,   1096.8,   0.0);
     (464923.4, 3807901.9,   1096.4,   1096.4,   0.0);   (464943.4,
3807901.9,   1096.1,   1096.1,   0.0);
     (464963.4, 3807901.9,   1096.0,   1096.0,   0.0);   (464983.4,
3807901.9,   1095.9,   1095.9,   0.0);
     (465003.4, 3807901.9,   1095.2,   1095.2,   0.0);   (465023.4,
3807901.9,   1094.8,   1094.8,   0.0);
     (465043.4, 3807901.9,   1094.4,   1094.4,   0.0);   (465063.4,
3807901.9,   1094.1,   1094.1,   0.0);
     (465083.4, 3807901.9,   1093.8,   1093.8,   0.0);   (465103.4,
3807901.9,   1093.4,   1093.4,   0.0);
     (465123.4, 3807901.9,   1093.1,   1093.1,   0.0);   (465143.4,
3807901.9,   1092.8,   1092.8,   0.0);
     (465163.4, 3807901.9,   1092.4,   1092.4,   0.0);   (465183.4,
3807901.9,   1092.1,   1092.1,   0.0);
     (465203.4, 3807901.9,   1092.0,   1092.0,   0.0);   (465223.4,
3807901.9,   1091.9,   1091.9,   0.0);
     (465243.4, 3807901.9,   1091.6,   1091.6,   0.0);   (465263.4,
3807901.9,   1091.5,   1091.5,   0.0);
     (465283.4, 3807901.9,   1091.4,   1091.4,   0.0);   (465303.4,
3807901.9,   1091.1,   1091.1,   0.0);
     (465323.4, 3807901.9,   1090.8,   1090.8,   0.0);   (465343.4,
3807901.9,   1090.5,   1090.5,   0.0);
     (465363.4, 3807901.9,   1090.5,   1090.5,   0.0);   (465383.4,
3807901.9,   1090.3,   1090.3,   0.0);
     (464723.4, 3807921.9,   1098.5,   1098.5,   0.0);   (464743.4,
3807921.9,   1099.5,   1099.5,   0.0);
     (464763.4, 3807921.9,   1099.1,   1099.1,   0.0);   (464783.4,
3807921.9,   1098.9,   1098.9,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                *** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464803.4, 3807921.9, 1098.7, 1098.7, 0.0); (464823.4, 3807921.9, 1098.2, 1098.2, 0.0);
(464843.4, 3807921.9, 1097.9, 1097.9, 0.0); (464863.4, 3807921.9, 1097.7, 1097.7, 0.0);
(464883.4, 3807921.9, 1097.0, 1097.0, 0.0); (464903.4, 3807921.9, 1096.4, 1096.4, 0.0);
(464923.4, 3807921.9, 1096.0, 1096.0, 0.0); (464943.4, 3807921.9, 1096.0, 1096.0, 0.0);
(464963.4, 3807921.9, 1095.9, 1095.9, 0.0); (464983.4, 3807921.9, 1095.7, 1095.7, 0.0);
(465003.4, 3807921.9, 1095.0, 1095.0, 0.0); (465023.4, 3807921.9, 1094.4, 1094.4, 0.0);
(465043.4, 3807921.9, 1094.0, 1094.0, 0.0); (465063.4, 3807921.9, 1093.8, 1093.8, 0.0);
(465083.4, 3807921.9, 1093.4, 1093.4, 0.0); (465103.4, 3807921.9, 1093.0, 1093.0, 0.0);
(465123.4, 3807921.9, 1092.8, 1092.8, 0.0); (465143.4, 3807921.9, 1092.4, 1092.4, 0.0);
(465163.4, 3807921.9, 1092.0, 1092.0, 0.0); (465183.4, 3807921.9, 1091.8, 1091.8, 0.0);
(465203.4, 3807921.9, 1091.8, 1091.8, 0.0); (465223.4, 3807921.9, 1091.7, 1091.7, 0.0);
(465243.4, 3807921.9, 1091.2, 1091.2, 0.0); (465263.4, 3807921.9, 1090.9, 1090.9, 0.0);
(465283.4, 3807921.9, 1090.8, 1090.8, 0.0); (465303.4, 3807921.9, 1090.8, 1090.8, 0.0);
(465323.4, 3807921.9, 1090.4, 1090.4, 0.0); (465343.4, 3807921.9, 1090.0, 1090.0, 0.0);
(465363.4, 3807921.9, 1090.0, 1090.0, 0.0); (465383.4, 3807921.9, 1089.9, 1089.9, 0.0);
(464723.4, 3807941.9, 1097.2, 1097.2, 0.0); (464743.4, 3807941.9, 1098.3, 1098.3, 0.0);
(464763.4, 3807941.9, 1098.8, 1098.8, 0.0); (464783.4, 3807941.9, 1098.6, 1098.6, 0.0);
(464803.4, 3807941.9, 1098.1, 1098.1, 0.0); (464823.4, 3807941.9, 1098.0, 1098.0, 0.0);
(464843.4, 3807941.9, 1097.6, 1097.6, 0.0); (464863.4, 3807941.9, 1097.0, 1097.0, 0.0);
(464883.4, 3807941.9, 1096.3, 1096.3, 0.0); (464903.4, 3807941.9, 1096.1, 1096.1, 0.0);
(464923.4, 3807941.9, 1096.0, 1096.0, 0.0); (464943.4, 3807941.9, 1096.0, 1096.0, 0.0);
(464963.4, 3807941.9, 1095.6, 1095.6, 0.0); (464983.4, 3807941.9, 1095.0, 1095.0, 0.0);
(465003.4, 3807941.9, 1094.3, 1094.3, 0.0); (465023.4, 3807941.9, 1094.1, 1094.1, 0.0);
(465043.4, 3807941.9, 1093.9, 1093.9, 0.0); (465063.4,

3807941.9,   1093.3,   1093.3,   0.0);
     (465083.4, 3807941.9,   1093.1,   1093.1,   0.0);   (465103.4,
3807941.9,   1092.9,   1092.9,   0.0);
     (465123.4, 3807941.9,   1092.3,   1092.3,   0.0);   (465143.4,
3807941.9,   1092.1,   1092.1,   0.0);
     (465163.4, 3807941.9,   1091.9,   1091.9,   0.0);   (465183.4,
3807941.9,   1091.3,   1091.3,   0.0);
     (465203.4, 3807941.9,   1091.1,   1091.1,   0.0);   (465223.4,
3807941.9,   1091.1,   1091.1,   0.0);
     (465243.4, 3807941.9,   1091.0,   1091.0,   0.0);   (465263.4,
3807941.9,   1090.6,   1090.6,   0.0);
     (465283.4, 3807941.9,   1090.1,   1090.1,   0.0);   (465303.4,
3807941.9,   1090.1,   1090.1,   0.0);
     (465323.4, 3807941.9,   1090.1,   1090.1,   0.0);   (465343.4,
3807941.9,   1090.0,   1090.0,   0.0);
     (465363.4, 3807941.9,   1090.0,   1090.0,   0.0);   (465383.4,
3807941.9,   1089.6,   1089.6,   0.0);
     (465403.4, 3807941.9,   1089.1,   1089.1,   0.0);   (465423.4,
3807941.9,   1089.0,   1089.0,   0.0);
     (465443.4, 3807941.9,   1089.0,   1089.0,   0.0);   (465463.4,
3807941.9,   1089.1,   1089.1,   0.0);
     (465483.4, 3807941.9,   1089.0,   1089.0,   0.0);   (465503.4,
3807941.9,   1089.0,   1089.0,   0.0);
     (465523.4, 3807941.9,   1088.9,   1088.9,   0.0);   (465543.4,
3807941.9,   1088.3,   1088.3,   0.0);
     (465563.4, 3807941.9,   1088.1,   1088.1,   0.0);   (465583.4,
3807941.9,   1088.0,   1088.0,   0.0);
     (465603.4, 3807941.9,   1088.0,   1088.0,   0.0);   (465623.4,
3807941.9,   1087.6,   1087.6,   0.0);
     (465643.4, 3807941.9,   1087.1,   1087.1,   0.0);   (465663.4,
3807941.9,   1087.0,   1087.0,   0.0);
     (465683.4, 3807941.9,   1086.6,   1086.6,   0.0);   (465703.4,
3807941.9,   1086.1,   1086.1,   0.0);
     (464723.4, 3807961.9,   1095.2,   1098.0,   0.0);   (464743.4,
3807961.9,   1097.1,   1097.1,   0.0);
     (464763.4, 3807961.9,   1098.1,   1098.1,   0.0);   (464783.4,
3807961.9,   1098.3,   1098.3,   0.0);
     (464803.4, 3807961.9,   1097.9,   1097.9,   0.0);   (464823.4,
3807961.9,   1097.6,   1097.6,   0.0);
     (464843.4, 3807961.9,   1097.3,   1097.3,   0.0);   (464863.4,
3807961.9,   1096.9,   1096.9,   0.0);
     (464883.4, 3807961.9,   1096.2,   1096.2,   0.0);   (464903.4,
3807961.9,   1096.0,   1096.0,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464923.4, 3807961.9, 1095.9, 1095.9, 0.0); (464943.4, 3807961.9, 1095.6, 1095.6, 0.0);
(464963.4, 3807961.9, 1095.3, 1095.3, 0.0); (464983.4, 3807961.9, 1094.9, 1094.9, 0.0);
(465003.4, 3807961.9, 1094.2, 1094.2, 0.0); (465023.4, 3807961.9, 1094.0, 1094.0, 0.0);
(465043.4, 3807961.9, 1093.9, 1093.9, 0.0); (465063.4, 3807961.9, 1093.2, 1093.2, 0.0);
(465083.4, 3807961.9, 1092.8, 1092.8, 0.0); (465103.4, 3807961.9, 1092.4, 1092.4, 0.0);
(465123.4, 3807961.9, 1092.1, 1092.1, 0.0); (465143.4, 3807961.9, 1091.8, 1091.8, 0.0);
(465163.4, 3807961.9, 1091.4, 1091.4, 0.0); (465183.4, 3807961.9, 1091.1, 1091.1, 0.0);
(465203.4, 3807961.9, 1090.8, 1090.8, 0.0); (465223.4, 3807961.9, 1090.5, 1090.5, 0.0);
(465243.4, 3807961.9, 1090.5, 1090.5, 0.0); (465263.4, 3807961.9, 1090.3, 1090.3, 0.0);
(465283.4, 3807961.9, 1090.0, 1090.0, 0.0); (465303.4, 3807961.9, 1090.0, 1090.0, 0.0);
(465323.4, 3807961.9, 1089.8, 1089.8, 0.0); (465343.4, 3807961.9, 1089.5, 1089.5, 0.0);
(465363.4, 3807961.9, 1089.5, 1089.5, 0.0); (465383.4, 3807961.9, 1089.3, 1089.3, 0.0);
(465403.4, 3807961.9, 1088.9, 1088.9, 0.0); (465423.4, 3807961.9, 1088.6, 1088.6, 0.0);
(465443.4, 3807961.9, 1088.5, 1088.5, 0.0); (465463.4, 3807961.9, 1088.9, 1088.9, 0.0);
(465483.4, 3807961.9, 1088.6, 1088.6, 0.0); (465503.4, 3807961.9, 1088.5, 1088.5, 0.0);
(465523.4, 3807961.9, 1088.4, 1088.4, 0.0); (465543.4, 3807961.9, 1088.1, 1088.1, 0.0);
(465563.4, 3807961.9, 1088.0, 1088.0, 0.0); (465583.4, 3807961.9, 1087.9, 1087.9, 0.0);
(465603.4, 3807961.9, 1087.6, 1087.6, 0.0); (465623.4, 3807961.9, 1087.3, 1087.3, 0.0);
(465643.4, 3807961.9, 1086.9, 1086.9, 0.0); (465663.4, 3807961.9, 1086.6, 1086.6, 0.0);
(465683.4, 3807961.9, 1086.3, 1086.3, 0.0); (465703.4, 3807961.9, 1086.0, 1086.0, 0.0);
(464743.4, 3807981.9, 1095.7, 1095.7, 0.0); (464763.4, 3807981.9, 1097.1, 1097.1, 0.0);
(464783.4, 3807981.9, 1097.7, 1097.7, 0.0); (464803.4, 3807981.9, 1097.7, 1097.7, 0.0);
(464823.4, 3807981.9, 1097.0, 1097.0, 0.0); (464843.4,

3807981.9,   1096.8,   1096.8,   0.0);
     (464863.4, 3807981.9,   1096.7,   1096.7,   0.0);   (464883.4,
3807981.9,   1096.0,   1096.0,   0.0);
     (464903.4, 3807981.9,   1095.8,   1095.8,   0.0);   (464923.4,
3807981.9,   1095.7,   1095.7,   0.0);
     (464943.4, 3807981.9,   1095.2,   1095.2,   0.0);   (464963.4,
3807981.9,   1094.9,   1094.9,   0.0);
     (464983.4, 3807981.9,   1094.7,   1094.7,   0.0);   (465003.4,
3807981.9,   1094.2,   1094.2,   0.0);
     (465023.4, 3807981.9,   1093.9,   1093.9,   0.0);   (465043.4,
3807981.9,   1093.7,   1093.7,   0.0);
     (465063.4, 3807981.9,   1093.2,   1093.2,   0.0);   (465083.4,
3807981.9,   1092.5,   1092.5,   0.0);
     (465103.4, 3807981.9,   1092.0,   1092.0,   0.0);   (465123.4,
3807981.9,   1092.0,   1092.0,   0.0);
     (465143.4, 3807981.9,   1091.5,   1091.5,   0.0);   (465163.4,
3807981.9,   1091.0,   1091.0,   0.0);
     (465183.4, 3807981.9,   1090.8,   1090.8,   0.0);   (465203.4,
3807981.9,   1090.4,   1090.4,   0.0);
     (465223.4, 3807981.9,   1090.0,   1090.0,   0.0);   (465243.4,
3807981.9,   1090.0,   1090.0,   0.0);
     (465263.4, 3807981.9,   1090.0,   1090.0,   0.0);   (465283.4,
3807981.9,   1090.0,   1090.0,   0.0);
     (465303.4, 3807981.9,   1089.8,   1089.8,   0.0);   (465323.4,
3807981.9,   1089.4,   1089.4,   0.0);
     (465343.4, 3807981.9,   1089.0,   1089.0,   0.0);   (465363.4,
3807981.9,   1088.8,   1088.8,   0.0);
     (465383.4, 3807981.9,   1088.8,   1088.8,   0.0);   (465403.4,
3807981.9,   1088.7,   1088.7,   0.0);
     (465423.4, 3807981.9,   1088.2,   1088.2,   0.0);   (465443.4,
3807981.9,   1088.0,   1088.0,   0.0);
     (465463.4, 3807981.9,   1088.7,   1088.7,   0.0);   (465483.4,
3807981.9,   1088.2,   1088.2,   0.0);
     (465503.4, 3807981.9,   1088.0,   1088.0,   0.0);   (465523.4,
3807981.9,   1088.0,   1088.0,   0.0);
     (465543.4, 3807981.9,   1087.8,   1087.8,   0.0);   (465563.4,
3807981.9,   1087.8,   1087.8,   0.0);
     (465583.4, 3807981.9,   1087.7,   1087.7,   0.0);   (465603.4,
3807981.9,   1087.2,   1087.2,   0.0);
     (465623.4, 3807981.9,   1086.9,   1086.9,   0.0);   (465643.4,
3807981.9,   1086.7,   1086.7,   0.0);
     (465663.4, 3807981.9,   1086.2,   1086.2,   0.0);   (465683.4,
3807981.9,   1086.0,   1086.0,   0.0);
     (465703.4, 3807981.9,   1086.0,   1086.0,   0.0);   (464763.4,
3808001.9,   1095.6,   1095.6,   0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464783.4, 3808001.9, 1096.7, 1096.7, 0.0); (464803.4, 3808001.9, 1097.0, 1097.0, 0.0);
(464823.4, 3808001.9, 1096.3, 1096.3, 0.0); (464843.4, 3808001.9, 1096.1, 1096.1, 0.0);
(464863.4, 3808001.9, 1096.0, 1096.0, 0.0); (464883.4, 3808001.9, 1095.3, 1095.3, 0.0);
(464903.4, 3808001.9, 1095.1, 1095.1, 0.0); (464923.4, 3808001.9, 1095.1, 1095.1, 0.0);
(464943.4, 3808001.9, 1095.0, 1095.0, 0.0); (464963.4, 3808001.9, 1094.6, 1094.6, 0.0);
(464983.4, 3808001.9, 1094.1, 1094.1, 0.0); (465003.4, 3808001.9, 1094.0, 1094.0, 0.0);
(465023.4, 3808001.9, 1093.6, 1093.6, 0.0); (465043.4, 3808001.9, 1093.1, 1093.1, 0.0);
(465063.4, 3808001.9, 1093.0, 1093.0, 0.0); (465083.4, 3808001.9, 1092.5, 1092.5, 0.0);
(465103.4, 3808001.9, 1092.0, 1092.0, 0.0); (465123.4, 3808001.9, 1092.0, 1092.0, 0.0);
(465143.4, 3808001.9, 1091.5, 1091.5, 0.0); (465163.4, 3808001.9, 1090.9, 1090.9, 0.0);
(465183.4, 3808001.9, 1090.3, 1090.3, 0.0); (465203.4, 3808001.9, 1090.1, 1090.1, 0.0);
(465223.4, 3808001.9, 1090.0, 1090.0, 0.0); (465243.4, 3808001.9, 1090.0, 1090.0, 0.0);
(465263.4, 3808001.9, 1090.0, 1090.0, 0.0); (465283.4, 3808001.9, 1089.9, 1089.9, 0.0);
(465303.4, 3808001.9, 1089.3, 1089.3, 0.0); (465323.4, 3808001.9, 1089.1, 1089.1, 0.0);
(465343.4, 3808001.9, 1088.9, 1088.9, 0.0); (465363.4, 3808001.9, 1088.3, 1088.3, 0.0);
(465383.4, 3808001.9, 1088.1, 1088.1, 0.0); (465403.4, 3808001.9, 1088.1, 1088.1, 0.0);
(465423.4, 3808001.9, 1088.0, 1088.0, 0.0); (465443.4, 3808001.9, 1088.0, 1088.0, 0.0);
(465463.4, 3808001.9, 1088.1, 1088.1, 0.0); (465483.4, 3808001.9, 1088.0, 1088.0, 0.0);
(465503.4, 3808001.9, 1088.0, 1088.0, 0.0); (465523.4, 3808001.9, 1087.9, 1087.9, 0.0);
(465543.4, 3808001.9, 1087.3, 1087.3, 0.0); (465563.4, 3808001.9, 1087.1, 1087.1, 0.0);
(465583.4, 3808001.9, 1087.1, 1087.1, 0.0); (465603.4, 3808001.9, 1087.0, 1087.0, 0.0);
(465623.4, 3808001.9, 1086.6, 1086.6, 0.0); (465643.4,

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3808001.9,    1086.1,    1086.1,       0.0);
     ( 465663.4, 3808001.9,    1086.0,    1086.0,       0.0);         ( 465683.4,
3808001.9,    1086.0,    1086.0,       0.0);
     ( 465703.4, 3808001.9,    1085.9,    1085.9,       0.0);         ( 464763.4,
3808021.9,    1093.5,    1096.0,       0.0);
     ( 464783.4, 3808021.9,    1094.6,    1097.0,       0.0);         ( 464803.4,
3808021.9,    1095.4,    1095.4,       0.0);
     ( 464823.4, 3808021.9,    1095.5,    1095.5,       0.0);         ( 464843.4,
3808021.9,    1095.5,    1095.5,       0.0);
     ( 464863.4, 3808021.9,    1095.4,    1095.4,       0.0);         ( 464883.4,
3808021.9,    1095.1,    1095.1,       0.0);
     ( 464903.4, 3808021.9,    1094.8,    1094.8,       0.0);         ( 464923.4,
3808021.9,    1094.5,    1094.5,       0.0);
     ( 464943.4, 3808021.9,    1094.5,    1094.5,       0.0);         ( 464963.4,
3808021.9,    1094.3,    1094.3,       0.0);
     ( 464983.4, 3808021.9,    1093.9,    1093.9,       0.0);         ( 465003.4,
3808021.9,    1093.6,    1093.6,       0.0);
     ( 465023.4, 3808021.9,    1093.3,    1093.3,       0.0);         ( 465043.4,
3808021.9,    1092.9,    1092.9,       0.0);
     ( 465063.4, 3808021.9,    1092.6,    1092.6,       0.0);         ( 465083.4,
3808021.9,    1092.3,    1092.3,       0.0);
     ( 465103.4, 3808021.9,    1091.9,    1091.9,       0.0);         ( 465123.4,
3808021.9,    1091.6,    1091.6,       0.0);
     ( 465143.4, 3808021.9,    1091.3,    1091.3,       0.0);         ( 465163.4,
3808021.9,    1090.9,    1090.9,       0.0);
     ( 465183.4, 3808021.9,    1090.2,    1090.2,       0.0);         ( 465203.4,
3808021.9,    1090.0,    1090.0,       0.0);
     ( 465223.4, 3808021.9,    1089.9,    1089.9,       0.0);         ( 465243.4,
3808021.9,    1089.6,    1089.6,       0.0);
     ( 465263.4, 3808021.9,    1089.5,    1089.5,       0.0);         ( 465283.4,
3808021.9,    1089.4,    1089.4,       0.0);
     ( 465303.4, 3808021.9,    1089.1,    1089.1,       0.0);         ( 465323.4,
3808021.9,    1088.8,    1088.8,       0.0);
     ( 465343.4, 3808021.9,    1088.4,    1088.4,       0.0);         ( 465363.4,
3808021.9,    1088.1,    1088.1,       0.0);
     ( 465383.4, 3808021.9,    1088.0,    1088.0,       0.0);         ( 465403.4,
3808021.9,    1087.9,    1087.9,       0.0);
     ( 465423.4, 3808021.9,    1087.6,    1087.6,       0.0);         ( 465443.4,
3808021.9,    1087.5,    1087.5,       0.0);
     ( 465463.4, 3808021.9,    1087.9,    1087.9,       0.0);         ( 465483.4,
3808021.9,    1087.6,    1087.6,       0.0);
     ( 465503.4, 3808021.9,    1087.5,    1087.5,       0.0);         ( 465523.4,
3808021.9,    1087.4,    1087.4,       0.0);
     ( 465543.4, 3808021.9,    1087.1,    1087.1,       0.0);         ( 465563.4,
3808021.9,    1086.8,    1086.8,       0.0);
     ( 465583.4, 3808021.9,    1086.5,    1086.5,       0.0);         ( 465603.4,
3808021.9,    1086.5,    1086.5,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(465623.4, 3808021.9, 1086.3, 1086.3, 0.0); (465643.4, 3808021.9, 1086.0, 1086.0, 0.0);
(465663.4, 3808021.9, 1086.0, 1086.0, 0.0); (465683.4, 3808021.9, 1085.8, 1085.8, 0.0);
(465703.4, 3808021.9, 1085.4, 1085.4, 0.0); (464783.4, 3808041.9, 1092.6, 1097.0, 0.0);
(464803.4, 3808041.9, 1093.7, 1093.7, 0.0); (464823.4, 3808041.9, 1094.4, 1094.4, 0.0);
(464843.4, 3808041.9, 1094.7, 1094.7, 0.0); (464863.4, 3808041.9, 1094.8, 1094.8, 0.0);
(464883.4, 3808041.9, 1094.8, 1094.8, 0.0); (464903.4, 3808041.9, 1094.4, 1094.4, 0.0);
(464923.4, 3808041.9, 1094.0, 1094.0, 0.0); (464943.4, 3808041.9, 1094.0, 1094.0, 0.0);
(464963.4, 3808041.9, 1094.0, 1094.0, 0.0); (464983.4, 3808041.9, 1093.9, 1093.9, 0.0);
(465003.4, 3808041.9, 1093.2, 1093.2, 0.0); (465023.4, 3808041.9, 1092.9, 1092.9, 0.0);
(465043.4, 3808041.9, 1092.7, 1092.7, 0.0); (465063.4, 3808041.9, 1092.2, 1092.2, 0.0);
(465083.4, 3808041.9, 1091.9, 1091.9, 0.0); (465103.4, 3808041.9, 1091.7, 1091.7, 0.0);
(465123.4, 3808041.9, 1091.2, 1091.2, 0.0); (465143.4, 3808041.9, 1090.9, 1090.9, 0.0);
(465163.4, 3808041.9, 1090.7, 1090.7, 0.0); (465183.4, 3808041.9, 1090.2, 1090.2, 0.0);
(465203.4, 3808041.9, 1089.9, 1089.9, 0.0); (465223.4, 3808041.9, 1089.7, 1089.7, 0.0);
(465243.4, 3808041.9, 1089.2, 1089.2, 0.0); (465263.4, 3808041.9, 1088.9, 1088.9, 0.0);
(465283.4, 3808041.9, 1088.8, 1088.8, 0.0); (465303.4, 3808041.9, 1088.8, 1088.8, 0.0);
(465323.4, 3808041.9, 1088.4, 1088.4, 0.0); (465343.4, 3808041.9, 1088.0, 1088.0, 0.0);
(465363.4, 3808041.9, 1087.8, 1087.8, 0.0); (465383.4, 3808041.9, 1087.8, 1087.8, 0.0);
(465403.4, 3808041.9, 1087.7, 1087.7, 0.0); (465423.4, 3808041.9, 1087.2, 1087.2, 0.0);
(465443.4, 3808041.9, 1087.0, 1087.0, 0.0); (465463.4, 3808041.9, 1087.7, 1087.7, 0.0);
(465483.4, 3808041.9, 1087.2, 1087.2, 0.0); (465503.4,

3808041.9,   1086.9,   1086.9,   0.0);
     (465523.4, 3808041.9,   1086.8,   1086.8,   0.0);   (465543.4,
3808041.9,   1086.8,   1086.8,   0.0);
     (465563.4, 3808041.9,   1086.4,   1086.4,   0.0);   (465583.4,
3808041.9,   1086.0,   1086.0,   0.0);
     (465603.4, 3808041.9,   1086.0,   1086.0,   0.0);   (465623.4,
3808041.9,   1086.0,   1086.0,   0.0);
     (465643.4, 3808041.9,   1086.0,   1086.0,   0.0);   (465663.4,
3808041.9,   1085.8,   1085.8,   0.0);
     (465683.4, 3808041.9,   1085.4,   1085.4,   0.0);   (465703.4,
3808041.9,   1085.0,   1085.0,   0.0);
     (464803.4, 3808061.9,   1092.4,   1092.4,   0.0);   (464823.4,
3808061.9,   1093.0,   1093.0,   0.0);
     (464843.4, 3808061.9,   1093.7,   1093.7,   0.0);   (464863.4,
3808061.9,   1094.1,   1094.1,   0.0);
     (464883.4, 3808061.9,   1094.1,   1094.1,   0.0);   (464903.4,
3808061.9,   1094.1,   1094.1,   0.0);
     (464923.4, 3808061.9,   1094.0,   1094.0,   0.0);   (464943.4,
3808061.9,   1094.0,   1094.0,   0.0);
     (464963.4, 3808061.9,   1094.0,   1094.0,   0.0);   (464983.4,
3808061.9,   1093.9,   1093.9,   0.0);
     (465003.4, 3808061.9,   1093.2,   1093.2,   0.0);   (465023.4,
3808061.9,   1092.6,   1092.6,   0.0);
     (465043.4, 3808061.9,   1092.1,   1092.1,   0.0);   (465063.4,
3808061.9,   1092.0,   1092.0,   0.0);
     (465083.4, 3808061.9,   1091.6,   1091.6,   0.0);   (465103.4,
3808061.9,   1091.1,   1091.1,   0.0);
     (465123.4, 3808061.9,   1091.0,   1091.0,   0.0);   (465143.4,
3808061.9,   1090.6,   1090.6,   0.0);
     (465163.4, 3808061.9,   1090.1,   1090.1,   0.0);   (465183.4,
3808061.9,   1090.0,   1090.0,   0.0);
     (465203.4, 3808061.9,   1089.6,   1089.6,   0.0);   (465223.4,
3808061.9,   1089.1,   1089.1,   0.0);
     (465243.4, 3808061.9,   1089.0,   1089.0,   0.0);   (465263.4,
3808061.9,   1088.6,   1088.6,   0.0);
     (465283.4, 3808061.9,   1088.1,   1088.1,   0.0);   (465303.4,
3808061.9,   1088.1,   1088.1,   0.0);
     (465323.4, 3808061.9,   1088.1,   1088.1,   0.0);   (465343.4,
3808061.9,   1087.9,   1087.9,   0.0);
     (465363.4, 3808061.9,   1087.3,   1087.3,   0.0);   (465383.4,
3808061.9,   1087.1,   1087.1,   0.0);
     (465403.4, 3808061.9,   1087.1,   1087.1,   0.0);   (465423.4,
3808061.9,   1087.0,   1087.0,   0.0);
     (465443.4, 3808061.9,   1087.0,   1087.0,   0.0);   (465463.4,
3808061.9,   1087.1,   1087.1,   0.0);
     (465483.4, 3808061.9,   1087.0,   1087.0,   0.0);   (465503.4,
3808061.9,   1086.6,   1086.6,   0.0);
     (465523.4, 3808061.9,   1086.1,   1086.1,   0.0);   (465543.4,
3808061.9,   1086.1,   1086.1,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(465563.4, 3808061.9, 1086.1, 1086.1, 0.0); (465583.4, 3808061.9, 1086.0, 1086.0, 0.0);
(465603.4, 3808061.9, 1086.0, 1086.0, 0.0); (465623.4, 3808061.9, 1086.0, 1086.0, 0.0);
(465643.4, 3808061.9, 1085.9, 1085.9, 0.0); (465663.4, 3808061.9, 1085.3, 1085.3, 0.0);
(465683.4, 3808061.9, 1085.1, 1085.1, 0.0); (465703.4, 3808061.9, 1085.0, 1085.0, 0.0);
(464823.4, 3808081.9, 1092.2, 1092.2, 0.0); (464843.4, 3808081.9, 1092.7, 1092.7, 0.0);
(464863.4, 3808081.9, 1093.0, 1093.0, 0.0); (464883.4, 3808081.9, 1093.3, 1093.3, 0.0);
(464903.4, 3808081.9, 1093.7, 1093.7, 0.0); (464923.4, 3808081.9, 1094.0, 1094.0, 0.0);
(464943.4, 3808081.9, 1094.0, 1094.0, 0.0); (464963.4, 3808081.9, 1093.8, 1093.8, 0.0);
(464983.4, 3808081.9, 1093.4, 1093.4, 0.0); (465003.4, 3808081.9, 1093.1, 1093.1, 0.0);
(465023.4, 3808081.9, 1092.5, 1092.5, 0.0); (465043.4, 3808081.9, 1092.0, 1092.0, 0.0);
(465063.4, 3808081.9, 1092.0, 1092.0, 0.0); (465083.4, 3808081.9, 1091.5, 1091.5, 0.0);
(465103.4, 3808081.9, 1090.9, 1090.9, 0.0); (465123.4, 3808081.9, 1090.6, 1090.6, 0.0);
(465143.4, 3808081.9, 1090.3, 1090.3, 0.0); (465163.4, 3808081.9, 1089.9, 1089.9, 0.0);
(465183.4, 3808081.9, 1089.6, 1089.6, 0.0); (465203.4, 3808081.9, 1089.3, 1089.3, 0.0);
(465223.4, 3808081.9, 1088.9, 1088.9, 0.0); (465243.4, 3808081.9, 1088.6, 1088.6, 0.0);
(465263.4, 3808081.9, 1088.3, 1088.3, 0.0); (465283.4, 3808081.9, 1088.0, 1088.0, 0.0);
(465303.4, 3808081.9, 1088.0, 1088.0, 0.0); (465323.4, 3808081.9, 1087.8, 1087.8, 0.0);
(465343.4, 3808081.9, 1087.4, 1087.4, 0.0); (465363.4, 3808081.9, 1087.1, 1087.1, 0.0);
(465383.4, 3808081.9, 1087.0, 1087.0, 0.0); (465403.4, 3808081.9, 1086.9, 1086.9, 0.0);
(465423.4, 3808081.9, 1086.6, 1086.6, 0.0); (465443.4,

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3808081.9,    1086.5,    1086.5,       0.0);
     ( 465463.4, 3808081.9,    1086.9,    1086.9,       0.0);         ( 465483.4,
3808081.9,    1086.6,    1086.6,       0.0);
     ( 465503.4, 3808081.9,    1086.3,    1086.3,       0.0);         ( 465523.4,
3808081.9,    1085.9,    1085.9,       0.0);
     ( 465543.4, 3808081.9,    1085.6,    1085.6,       0.0);         ( 465563.4,
3808081.9,    1085.5,    1085.5,       0.0);
     ( 465583.4, 3808081.9,    1085.5,    1085.5,       0.0);         ( 465603.4,
3808081.9,    1085.5,    1085.5,       0.0);
     ( 465623.4, 3808081.9,    1085.5,    1085.5,       0.0);         ( 465643.4,
3808081.9,    1085.4,    1085.4,       0.0);
     ( 465663.4, 3808081.9,    1085.1,    1085.1,       0.0);         ( 465683.4,
3808081.9,    1085.0,    1085.0,       0.0);
     ( 465703.4, 3808081.9,    1084.9,    1084.9,       0.0);         ( 464843.4,
3808101.9,    1091.8,    1091.8,       0.0);
     ( 464863.4, 3808101.9,    1092.1,    1092.1,       0.0);         ( 464883.4,
3808101.9,    1092.8,    1092.8,       0.0);
     ( 464903.4, 3808101.9,    1093.4,    1093.4,       0.0);         ( 464923.4,
3808101.9,    1093.8,    1093.8,       0.0);
     ( 464943.4, 3808101.9,    1093.8,    1093.8,       0.0);         ( 464963.4,
3808101.9,    1093.4,    1093.4,       0.0);
     ( 464983.4, 3808101.9,    1093.0,    1093.0,       0.0);         ( 465003.4,
3808101.9,    1092.8,    1092.8,       0.0);
     ( 465023.4, 3808101.9,    1092.4,    1092.4,       0.0);         ( 465043.4,
3808101.9,    1092.0,    1092.0,       0.0);
     ( 465063.4, 3808101.9,    1091.8,    1091.8,       0.0);         ( 465083.4,
3808101.9,    1091.3,    1091.3,       0.0);
     ( 465103.4, 3808101.9,    1090.7,    1090.7,       0.0);         ( 465123.4,
3808101.9,    1090.2,    1090.2,       0.0);
     ( 465143.4, 3808101.9,    1090.0,    1090.0,       0.0);         ( 465163.4,
3808101.9,    1089.9,    1089.9,       0.0);
     ( 465183.4, 3808101.9,    1089.2,    1089.2,       0.0);         ( 465203.4,
3808101.9,    1088.9,    1088.9,       0.0);
     ( 465223.4, 3808101.9,    1088.7,    1088.7,       0.0);         ( 465243.4,
3808101.9,    1088.2,    1088.2,       0.0);
     ( 465263.4, 3808101.9,    1088.0,    1088.0,       0.0);         ( 465283.4,
3808101.9,    1088.0,    1088.0,       0.0);
     ( 465303.4, 3808101.9,    1087.8,    1087.8,       0.0);         ( 465323.4,
3808101.9,    1087.4,    1087.4,       0.0);
     ( 465343.4, 3808101.9,    1087.0,    1087.0,       0.0);         ( 465363.4,
3808101.9,    1086.8,    1086.8,       0.0);
     ( 465383.4, 3808101.9,    1086.8,    1086.8,       0.0);         ( 465403.4,
3808101.9,    1086.7,    1086.7,       0.0);
     ( 465423.4, 3808101.9,    1086.2,    1086.2,       0.0);         ( 465443.4,
3808101.9,    1086.0,    1086.0,       0.0);
     ( 465463.4, 3808101.9,    1086.7,    1086.7,       0.0);         ( 465483.4,
3808101.9,    1086.2,    1086.2,       0.0);
     ( 465503.4, 3808101.9,    1085.9,    1085.9,       0.0);         ( 465523.4,
3808101.9,    1085.7,    1085.7,       0.0);
     ( 465543.4, 3808101.9,    1085.2,    1085.2,       0.0);         ( 465563.4,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(465583.4, 3808101.9,   1085.0,   1085.0,   0.0);   (465603.4, 3808101.9,   1085.0,   1085.0,   0.0);
(465623.4, 3808101.9,   1085.0,   1085.0,   0.0);   (465643.4, 3808101.9,   1085.0,   1085.0,   0.0);
(465663.4, 3808101.9,   1084.8,   1084.8,   0.0);   (465683.4, 3808101.9,   1084.8,   1084.8,   0.0);
(465703.4, 3808101.9,   1084.7,   1084.7,   0.0);   (464863.4, 3808121.9,   1092.1,   1092.1,   0.0);
(464883.4, 3808121.9,   1092.8,   1092.8,   0.0);   (464903.4, 3808121.9,   1093.1,   1093.1,   0.0);
(464923.4, 3808121.9,   1093.1,   1093.1,   0.0);   (464943.4, 3808121.9,   1093.1,   1093.1,   0.0);
(464963.4, 3808121.9,   1093.1,   1093.1,   0.0);   (464983.4, 3808121.9,   1092.9,   1092.9,   0.0);
(465003.4, 3808121.9,   1092.3,   1092.3,   0.0);   (465023.4, 3808121.9,   1092.1,   1092.1,   0.0);
(465043.4, 3808121.9,   1091.9,   1091.9,   0.0);   (465063.4, 3808121.9,   1091.3,   1091.3,   0.0);
(465083.4, 3808121.9,   1090.7,   1090.7,   0.0);   (465103.4, 3808121.9,   1090.1,   1090.1,   0.0);
(465123.4, 3808121.9,   1090.0,   1090.0,   0.0);   (465143.4, 3808121.9,   1090.0,   1090.0,   0.0);
(465163.4, 3808121.9,   1089.9,   1089.9,   0.0);   (465183.4, 3808121.9,   1089.2,   1089.2,   0.0);
(465203.4, 3808121.9,   1088.6,   1088.6,   0.0);   (465223.4, 3808121.9,   1088.1,   1088.1,   0.0);
(465243.4, 3808121.9,   1088.0,   1088.0,   0.0);   (465263.4, 3808121.9,   1088.0,   1088.0,   0.0);
(465283.4, 3808121.9,   1087.9,   1087.9,   0.0);   (465303.4, 3808121.9,   1087.3,   1087.3,   0.0);
(465323.4, 3808121.9,   1087.1,   1087.1,   0.0);   (465343.4, 3808121.9,   1086.9,   1086.9,   0.0);
(465363.4, 3808121.9,   1086.3,   1086.3,   0.0);   (465383.4, 3808121.9,   1086.1,   1086.1,   0.0);
(465403.4, 3808121.9,   1086.1,   1086.1,   0.0);   (465423.4, 3808121.9,   1086.0,   1086.0,   0.0);
(465443.4, 3808121.9,   1086.0,   1086.0,   0.0);   (465463.4,

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3808121.9,    1086.1,    1086.1,       0.0);
     ( 465483.4, 3808121.9,    1086.0,    1086.0,       0.0);         ( 465503.4,
3808121.9,    1085.6,    1085.6,       0.0);
     ( 465523.4, 3808121.9,    1085.1,    1085.1,       0.0);         ( 465543.4,
3808121.9,    1085.0,    1085.0,       0.0);
     ( 465563.4, 3808121.9,    1085.0,    1085.0,       0.0);         ( 465583.4,
3808121.9,    1085.0,    1085.0,       0.0);
     ( 465603.4, 3808121.9,    1085.0,    1085.0,       0.0);         ( 465623.4,
3808121.9,    1085.0,    1085.0,       0.0);
     ( 465643.4, 3808121.9,    1084.9,    1084.9,       0.0);         ( 465663.4,
3808121.9,    1084.3,    1084.3,       0.0);
     ( 465683.4, 3808121.9,    1084.1,    1084.1,       0.0);         ( 465703.4,
3808121.9,    1084.1,    1084.1,       0.0);
     ( 464883.4, 3808141.9,    1092.1,    1092.1,       0.0);         ( 464903.4,
3808141.9,    1092.7,    1092.7,       0.0);
     ( 464923.4, 3808141.9,    1093.0,    1093.0,       0.0);         ( 464943.4,
3808141.9,    1093.0,    1093.0,       0.0);
     ( 464963.4, 3808141.9,    1093.0,    1093.0,       0.0);         ( 464983.4,
3808141.9,    1092.9,    1092.9,       0.0);
     ( 465003.4, 3808141.9,    1092.2,    1092.2,       0.0);         ( 465023.4,
3808141.9,    1092.0,    1092.0,       0.0);
     ( 465043.4, 3808141.9,    1091.9,    1091.9,       0.0);         ( 465063.4,
3808141.9,    1091.2,    1091.2,       0.0);
     ( 465083.4, 3808141.9,    1090.5,    1090.5,       0.0);         ( 465103.4,
3808141.9,    1090.0,    1090.0,       0.0);
     ( 465123.4, 3808141.9,    1090.0,    1090.0,       0.0);         ( 465143.4,
3808141.9,    1089.8,    1089.8,       0.0);
     ( 465163.4, 3808141.9,    1089.4,    1089.4,       0.0);         ( 465183.4,
3808141.9,    1089.1,    1089.1,       0.0);
     ( 465203.4, 3808141.9,    1088.5,    1088.5,       0.0);         ( 465223.4,
3808141.9,    1088.0,    1088.0,       0.0);
     ( 465243.4, 3808141.9,    1088.0,    1088.0,       0.0);         ( 465263.4,
3808141.9,    1087.8,    1087.8,       0.0);
     ( 465283.4, 3808141.9,    1087.4,    1087.4,       0.0);         ( 465303.4,
3808141.9,    1087.1,    1087.1,       0.0);
     ( 465323.4, 3808141.9,    1086.8,    1086.8,       0.0);         ( 465343.4,
3808141.9,    1086.4,    1086.4,       0.0);
     ( 465363.4, 3808141.9,    1086.1,    1086.1,       0.0);         ( 465383.4,
3808141.9,    1086.0,    1086.0,       0.0);
     ( 465403.4, 3808141.9,    1085.9,    1085.9,       0.0);         ( 465423.4,
3808141.9,    1085.6,    1085.6,       0.0);
     ( 465443.4, 3808141.9,    1085.5,    1085.5,       0.0);         ( 465463.4,
3808141.9,    1085.5,    1085.5,       0.0);
     ( 465483.4, 3808141.9,    1085.5,    1085.5,       0.0);         ( 465503.4,
3808141.9,    1085.3,    1085.3,       0.0);
     ( 465523.4, 3808141.9,    1084.9,    1084.9,       0.0);         ( 465543.4,
3808141.9,    1084.6,    1084.6,       0.0);
     ( 465563.4, 3808141.9,    1084.5,    1084.5,       0.0);         ( 465583.4,
3808141.9,    1084.5,    1084.5,       0.0);
     ( 465603.4, 3808141.9,    1084.5,    1084.5,       0.0);         ( 465623.4,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

     (465683.4, 3808141.9,   1083.8,   1083.8,   0.0);   (465703.4,
3808141.9,   1083.5,   1083.5,   0.0);
     (464883.4, 3808161.9,   1091.3,   1091.3,   0.0);   (464903.4,
3808161.9,   1092.2,   1092.2,   0.0);
     (464923.4, 3808161.9,   1092.8,   1092.8,   0.0);   (464943.4,
3808161.9,   1092.8,   1092.8,   0.0);
     (464963.4, 3808161.9,   1092.8,   1092.8,   0.0);   (464983.4,
3808161.9,   1092.7,   1092.7,   0.0);
     (465003.4, 3808161.9,   1092.2,   1092.2,   0.0);   (465023.4,
3808161.9,   1091.9,   1091.9,   0.0);
     (465043.4, 3808161.9,   1091.7,   1091.7,   0.0);   (465063.4,
3808161.9,   1091.0,   1091.0,   0.0);
     (465083.4, 3808161.9,   1090.4,   1090.4,   0.0);   (465103.4,
3808161.9,   1090.0,   1090.0,   0.0);
     (465123.4, 3808161.9,   1089.8,   1089.8,   0.0);   (465143.4,
3808161.9,   1089.4,   1089.4,   0.0);
     (465163.4, 3808161.9,   1089.0,   1089.0,   0.0);   (465183.4,
3808161.9,   1088.8,   1088.8,   0.0);
     (465203.4, 3808161.9,   1088.4,   1088.4,   0.0);   (465223.4,
3808161.9,   1088.0,   1088.0,   0.0);
     (465243.4, 3808161.9,   1087.8,   1087.8,   0.0);   (465263.4,
3808161.9,   1087.4,   1087.4,   0.0);
     (465283.4, 3808161.9,   1087.0,   1087.0,   0.0);   (465303.4,
3808161.9,   1086.8,   1086.8,   0.0);
     (465323.4, 3808161.9,   1086.4,   1086.4,   0.0);   (465343.4,
3808161.9,   1086.0,   1086.0,   0.0);
     (465363.4, 3808161.9,   1085.8,   1085.8,   0.0);   (465383.4,
3808161.9,   1085.8,   1085.8,   0.0);
     (465403.4, 3808161.9,   1085.7,   1085.7,   0.0);   (465423.4,
3808161.9,   1085.2,   1085.2,   0.0);
     (465443.4, 3808161.9,   1085.0,   1085.0,   0.0);   (465463.4,
3808161.9,   1085.0,   1085.0,   0.0);
     (465483.4, 3808161.9,   1084.8,   1084.8,   0.0);   (465503.4,
3808161.9,   1084.8,   1084.8,   0.0);
     (465523.4, 3808161.9,   1084.7,   1084.7,   0.0);   (465543.4,

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3808161.9,    1084.2,    1084.2,       0.0);
     ( 465563.4, 3808161.9,    1084.0,    1084.0,       0.0);         ( 465583.4,
3808161.9,    1084.0,    1084.0,       0.0);
     ( 465603.4, 3808161.9,    1084.0,    1084.0,       0.0);         ( 465623.4,
3808161.9,    1083.9,    1083.9,       0.0);
     ( 465643.4, 3808161.9,    1083.8,    1083.8,       0.0);         ( 465663.4,
3808161.9,    1083.8,    1083.8,       0.0);
     ( 465683.4, 3808161.9,    1083.4,    1083.4,       0.0);         ( 465703.4,
3808161.9,    1083.0,    1083.0,       0.0);
     ( 464903.4, 3808181.9,    1091.6,    1091.6,       0.0);         ( 464923.4,
3808181.9,    1092.1,    1092.1,       0.0);
     ( 464943.4, 3808181.9,    1092.1,    1092.1,       0.0);         ( 464963.4,
3808181.9,    1092.1,    1092.1,       0.0);
     ( 464983.4, 3808181.9,    1092.1,    1092.1,       0.0);         ( 465003.4,
3808181.9,    1092.0,    1092.0,       0.0);
     ( 465023.4, 3808181.9,    1091.6,    1091.6,       0.0);         ( 465043.4,
3808181.9,    1091.0,    1091.0,       0.0);
     ( 465063.4, 3808181.9,    1090.3,    1090.3,       0.0);         ( 465083.4,
3808181.9,    1090.1,    1090.1,       0.0);
     ( 465103.4, 3808181.9,    1089.9,    1089.9,       0.0);         ( 465123.4,
3808181.9,    1089.3,    1089.3,       0.0);
     ( 465143.4, 3808181.9,    1089.1,    1089.1,       0.0);         ( 465163.4,
3808181.9,    1088.9,    1088.9,       0.0);
     ( 465183.4, 3808181.9,    1088.3,    1088.3,       0.0);         ( 465203.4,
3808181.9,    1088.1,    1088.1,       0.0);
     ( 465223.4, 3808181.9,    1087.9,    1087.9,       0.0);         ( 465243.4,
3808181.9,    1087.3,    1087.3,       0.0);
     ( 465263.4, 3808181.9,    1087.1,    1087.1,       0.0);         ( 465283.4,
3808181.9,    1086.9,    1086.9,       0.0);
     ( 465303.4, 3808181.9,    1086.3,    1086.3,       0.0);         ( 465323.4,
3808181.9,    1086.1,    1086.1,       0.0);
     ( 465343.4, 3808181.9,    1085.9,    1085.9,       0.0);         ( 465363.4,
3808181.9,    1085.3,    1085.3,       0.0);
     ( 465383.4, 3808181.9,    1085.1,    1085.1,       0.0);         ( 465403.4,
3808181.9,    1085.1,    1085.1,       0.0);
     ( 465423.4, 3808181.9,    1085.0,    1085.0,       0.0);         ( 465443.4,
3808181.9,    1085.0,    1085.0,       0.0);
     ( 465463.4, 3808181.9,    1084.9,    1084.9,       0.0);         ( 465483.4,
3808181.9,    1084.3,    1084.3,       0.0);
     ( 465503.4, 3808181.9,    1084.1,    1084.1,       0.0);         ( 465523.4,
3808181.9,    1084.1,    1084.1,       0.0);
     ( 465543.4, 3808181.9,    1084.0,    1084.0,       0.0);         ( 465563.4,
3808181.9,    1084.0,    1084.0,       0.0);
     ( 465583.4, 3808181.9,    1084.0,    1084.0,       0.0);         ( 465603.4,
3808181.9,    1084.0,    1084.0,       0.0);
     ( 465623.4, 3808181.9,    1083.6,    1083.6,       0.0);         ( 465643.4,
3808181.9,    1083.1,    1083.1,       0.0);
     ( 465663.4, 3808181.9,    1083.1,    1083.1,       0.0);         ( 465683.4,
3808181.9,    1083.1,    1083.1,       0.0);
     ( 465703.4, 3808181.9,    1082.9,    1082.9,       0.0);         ( 464923.4,
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3808201.9,   1091.0,   1091.0,   0.0);
     (464943.4, 3808201.9,   1091.3,   1091.3,   0.0);   (464963.4,
3808201.9,   1091.5,   1091.5,   0.0);
     (464983.4, 3808201.9,   1091.5,   1091.5,   0.0);   (465003.4,
3808201.9,   1091.5,   1091.5,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (465023.4, 3808201.9,   1091.0,   1091.0,   0.0);   (465043.4,
3808201.9,   1090.4,   1090.4,   0.0);
     (465063.4, 3808201.9,   1090.1,   1090.1,   0.0);   (465083.4,
3808201.9,   1089.8,   1089.8,   0.0);
     (465103.4, 3808201.9,   1089.4,   1089.4,   0.0);   (465123.4,
3808201.9,   1089.1,   1089.1,   0.0);
     (465143.4, 3808201.9,   1088.8,   1088.8,   0.0);   (465163.4,
3808201.9,   1088.4,   1088.4,   0.0);
     (465183.4, 3808201.9,   1088.1,   1088.1,   0.0);   (465203.4,
3808201.9,   1087.8,   1087.8,   0.0);
     (465223.4, 3808201.9,   1087.4,   1087.4,   0.0);   (465243.4,
3808201.9,   1087.1,   1087.1,   0.0);
     (465263.4, 3808201.9,   1086.8,   1086.8,   0.0);   (465283.4,
3808201.9,   1086.4,   1086.4,   0.0);
     (465303.4, 3808201.9,   1086.1,   1086.1,   0.0);   (465323.4,
3808201.9,   1085.8,   1085.8,   0.0);
     (465343.4, 3808201.9,   1085.4,   1085.4,   0.0);   (465363.4,
3808201.9,   1085.1,   1085.1,   0.0);
     (465383.4, 3808201.9,   1084.8,   1084.8,   0.0);   (465403.4,
3808201.9,   1084.5,   1084.5,   0.0);
     (465423.4, 3808201.9,   1084.5,   1084.5,   0.0);   (465443.4,
3808201.9,   1084.5,   1084.5,   0.0);
     (465463.4, 3808201.9,   1084.4,   1084.4,   0.0);   (465483.4,
3808201.9,   1084.1,   1084.1,   0.0);
     (465503.4, 3808201.9,   1084.0,   1084.0,   0.0);   (465523.4,
3808201.9,   1084.0,   1084.0,   0.0);
     (465543.4, 3808201.9,   1084.0,   1084.0,   0.0);   (465563.4,
3808201.9,   1083.8,   1083.8,   0.0);
     (465583.4, 3808201.9,   1083.5,   1083.5,   0.0);   (465603.4,
3808201.9,   1083.5,   1083.5,   0.0);
     (465623.4, 3808201.9,   1083.3,   1083.3,   0.0);   (465643.4,
3808201.9,   1083.0,   1083.0,   0.0);
     (465663.4, 3808201.9,   1083.0,   1083.0,   0.0);   (465683.4,

3808201.9,   1082.8,   1082.8,   0.0);
     (465703.4, 3808201.9,   1082.4,   1082.4,   0.0);   (464943.4,
3808221.9,   1090.5,   1090.5,   0.0);
     (464963.4, 3808221.9,   1090.8,   1090.8,   0.0);   (464983.4,
3808221.9,   1090.8,   1090.8,   0.0);
     (465003.4, 3808221.9,   1090.8,   1090.8,   0.0);   (465023.4,
3808221.9,   1090.4,   1090.4,   0.0);
     (465043.4, 3808221.9,   1090.0,   1090.0,   0.0);   (465063.4,
3808221.9,   1089.8,   1089.8,   0.0);
     (465083.4, 3808221.9,   1089.3,   1089.3,   0.0);   (465103.4,
3808221.9,   1088.8,   1088.8,   0.0);
     (465123.4, 3808221.9,   1088.8,   1088.8,   0.0);   (465143.4,
3808221.9,   1088.4,   1088.4,   0.0);
     (465163.4, 3808221.9,   1088.0,   1088.0,   0.0);   (465183.4,
3808221.9,   1087.8,   1087.8,   0.0);
     (465203.4, 3808221.9,   1087.4,   1087.4,   0.0);   (465223.4,
3808221.9,   1087.0,   1087.0,   0.0);
     (465243.4, 3808221.9,   1086.8,   1086.8,   0.0);   (465263.4,
3808221.9,   1086.4,   1086.4,   0.0);
     (465283.4, 3808221.9,   1086.0,   1086.0,   0.0);   (465303.4,
3808221.9,   1085.8,   1085.8,   0.0);
     (465323.4, 3808221.9,   1085.4,   1085.4,   0.0);   (465343.4,
3808221.9,   1085.0,   1085.0,   0.0);
     (465363.4, 3808221.9,   1084.8,   1084.8,   0.0);   (465383.4,
3808221.9,   1084.4,   1084.4,   0.0);
     (465403.4, 3808221.9,   1084.0,   1084.0,   0.0);   (465423.4,
3808221.9,   1084.0,   1084.0,   0.0);
     (465443.4, 3808221.9,   1084.0,   1084.0,   0.0);   (465463.4,
3808221.9,   1084.0,   1084.0,   0.0);
     (465483.4, 3808221.9,   1084.0,   1084.0,   0.0);   (465503.4,
3808221.9,   1083.9,   1083.9,   0.0);
     (465523.4, 3808221.9,   1083.8,   1083.8,   0.0);   (465543.4,
3808221.9,   1083.8,   1083.8,   0.0);
     (465563.4, 3808221.9,   1083.4,   1083.4,   0.0);   (465583.4,
3808221.9,   1083.0,   1083.0,   0.0);
     (465603.4, 3808221.9,   1083.0,   1083.0,   0.0);   (465623.4,
3808221.9,   1082.9,   1082.9,   0.0);
     (465643.4, 3808221.9,   1082.8,   1082.8,   0.0);   (465663.4,
3808221.9,   1082.8,   1082.8,   0.0);
     (465683.4, 3808221.9,   1082.4,   1082.4,   0.0);   (465703.4,
3808221.9,   1082.0,   1082.0,   0.0);
     (464963.4, 3808241.9,   1090.1,   1090.1,   0.0);   (464983.4,
3808241.9,   1090.1,   1090.1,   0.0);
     (465003.4, 3808241.9,   1090.1,   1090.1,   0.0);   (465023.4,
3808241.9,   1090.1,   1090.1,   0.0);
     (465043.4, 3808241.9,   1089.9,   1089.9,   0.0);   (465063.4,
3808241.9,   1089.3,   1089.3,   0.0);
     (465083.4, 3808241.9,   1088.7,   1088.7,   0.0);   (465103.4,
3808241.9,   1088.1,   1088.1,   0.0);
     (465123.4, 3808241.9,   1088.1,   1088.1,   0.0);   (465143.4,

3808241.9,   1088.1,   1088.1,   0.0);
     (465163.4, 3808241.9,   1087.9,   1087.9,   0.0);   (465183.4,
3808241.9,   1087.3,   1087.3,   0.0);
     (465203.4, 3808241.9,   1087.1,   1087.1,   0.0);   (465223.4,
3808241.9,   1086.9,   1086.9,   0.0);
     (465243.4, 3808241.9,   1086.3,   1086.3,   0.0);   (465263.4,
3808241.9,   1086.1,   1086.1,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                        (METERS)

     (465283.4, 3808241.9,   1085.9,   1085.9,   0.0);   (465303.4,
3808241.9,   1085.3,   1085.3,   0.0);
     (465323.4, 3808241.9,   1085.1,   1085.1,   0.0);   (465343.4,
3808241.9,   1084.9,   1084.9,   0.0);
     (465363.4, 3808241.9,   1084.3,   1084.3,   0.0);   (465383.4,
3808241.9,   1084.1,   1084.1,   0.0);
     (465403.4, 3808241.9,   1084.0,   1084.0,   0.0);   (465423.4,
3808241.9,   1084.0,   1084.0,   0.0);
     (465443.4, 3808241.9,   1084.0,   1084.0,   0.0);   (465463.4,
3808241.9,   1084.0,   1084.0,   0.0);
     (465483.4, 3808241.9,   1084.0,   1084.0,   0.0);   (465503.4,
3808241.9,   1083.6,   1083.6,   0.0);
     (465523.4, 3808241.9,   1083.1,   1083.1,   0.0);   (465543.4,
3808241.9,   1083.1,   1083.1,   0.0);
     (465563.4, 3808241.9,   1083.1,   1083.1,   0.0);   (465583.4,
3808241.9,   1083.0,   1083.0,   0.0);
     (465603.4, 3808241.9,   1083.0,   1083.0,   0.0);   (465623.4,
3808241.9,   1082.6,   1082.6,   0.0);
     (465643.4, 3808241.9,   1082.1,   1082.1,   0.0);   (465663.4,
3808241.9,   1082.1,   1082.1,   0.0);
     (465683.4, 3808241.9,   1082.1,   1082.1,   0.0);   (465703.4,
3808241.9,   1081.9,   1081.9,   0.0);
     (464983.4, 3808261.9,   1088.5,   1088.5,   0.0);   (465003.4,
3808261.9,   1088.8,   1088.8,   0.0);
     (465023.4, 3808261.9,   1088.9,   1088.9,   0.0);   (465043.4,
3808261.9,   1088.9,   1088.9,   0.0);
     (465063.4, 3808261.9,   1088.6,   1088.6,   0.0);   (465083.4,
3808261.9,   1088.3,   1088.3,   0.0);
     (465103.4, 3808261.9,   1087.9,   1087.9,   0.0);   (465123.4,
3808261.9,   1087.6,   1087.6,   0.0);
     (465143.4, 3808261.9,   1087.5,   1087.5,   0.0);   (465163.4,

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3808261.9,    1087.4,    1087.4,       0.0);
     ( 465183.4, 3808261.9,    1087.1,    1087.1,       0.0);         ( 465203.4,
3808261.9,    1086.8,    1086.8,       0.0);
     ( 465223.4, 3808261.9,    1086.4,    1086.4,       0.0);         ( 465243.4,
3808261.9,    1086.1,    1086.1,       0.0);
     ( 465263.4, 3808261.9,    1086.0,    1086.0,       0.0);         ( 465283.4,
3808261.9,    1085.9,    1085.9,       0.0);
     ( 465303.4, 3808261.9,    1085.2,    1085.2,       0.0);         ( 465323.4,
3808261.9,    1084.8,    1084.8,       0.0);
     ( 465343.4, 3808261.9,    1084.4,    1084.4,       0.0);         ( 465363.4,
3808261.9,    1084.1,    1084.1,       0.0);
     ( 465383.4, 3808261.9,    1083.8,    1083.8,       0.0);         ( 465403.4,
3808261.9,    1083.5,    1083.5,       0.0);
     ( 465423.4, 3808261.9,    1083.5,    1083.5,       0.0);         ( 465443.4,
3808261.9,    1083.5,    1083.5,       0.0);
     ( 465463.4, 3808261.9,    1083.5,    1083.5,       0.0);         ( 465483.4,
3808261.9,    1083.5,    1083.5,       0.0);
     ( 465503.4, 3808261.9,    1083.3,    1083.3,       0.0);         ( 465523.4,
3808261.9,    1083.0,    1083.0,       0.0);
     ( 465543.4, 3808261.9,    1083.0,    1083.0,       0.0);         ( 465563.4,
3808261.9,    1082.8,    1082.8,       0.0);
     ( 465583.4, 3808261.9,    1082.5,    1082.5,       0.0);         ( 465603.4,
3808261.9,    1082.5,    1082.5,       0.0);
     ( 465623.4, 3808261.9,    1082.3,    1082.3,       0.0);         ( 465643.4,
3808261.9,    1081.9,    1081.9,       0.0);
     ( 465663.4, 3808261.9,    1081.6,    1081.6,       0.0);         ( 465683.4,
3808261.9,    1081.5,    1081.5,       0.0);
     ( 465703.4, 3808261.9,    1081.4,    1081.4,       0.0);         ( 465003.4,
3808281.9,    1087.4,    1087.4,       0.0);
     ( 465023.4, 3808281.9,    1087.7,    1087.7,       0.0);         ( 465043.4,
3808281.9,    1087.8,    1087.8,       0.0);
     ( 465063.4, 3808281.9,    1087.6,    1087.6,       0.0);         ( 465083.4,
3808281.9,    1087.7,    1087.7,       0.0);
     ( 465103.4, 3808281.9,    1087.7,    1087.7,       0.0);         ( 465123.4,
3808281.9,    1087.2,    1087.2,       0.0);
     ( 465143.4, 3808281.9,    1087.0,    1087.0,       0.0);         ( 465163.4,
3808281.9,    1087.0,    1087.0,       0.0);
     ( 465183.4, 3808281.9,    1086.8,    1086.8,       0.0);         ( 465203.4,
3808281.9,    1086.4,    1086.4,       0.0);
     ( 465223.4, 3808281.9,    1086.0,    1086.0,       0.0);         ( 465243.4,
3808281.9,    1086.0,    1086.0,       0.0);
     ( 465263.4, 3808281.9,    1085.9,    1085.9,       0.0);         ( 465283.4,
3808281.9,    1085.7,    1085.7,       0.0);
     ( 465303.4, 3808281.9,    1085.0,    1085.0,       0.0);         ( 465323.4,
3808281.9,    1084.4,    1084.4,       0.0);
     ( 465343.4, 3808281.9,    1084.0,    1084.0,       0.0);         ( 465363.4,
3808281.9,    1083.8,    1083.8,       0.0);
     ( 465383.4, 3808281.9,    1083.4,    1083.4,       0.0);         ( 465403.4,
3808281.9,    1083.0,    1083.0,       0.0);
     ( 465423.4, 3808281.9,    1082.8,    1082.8,       0.0);         ( 465443.4,
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3808281.9,   1082.8,   1082.8,   0.0);
     (465463.4, 3808281.9,   1083.0,   1083.0,   0.0);   (465483.4,
3808281.9,   1083.0,   1083.0,   0.0);
     (465503.4, 3808281.9,   1083.0,   1083.0,   0.0);   (465523.4,
3808281.9,   1083.0,   1083.0,   0.0);
     (465543.4, 3808281.9,   1082.8,   1082.8,   0.0);   (465563.4,
3808281.9,   1082.4,   1082.4,   0.0);
     (465583.4, 3808281.9,   1082.0,   1082.0,   0.0);   (465603.4,
3808281.9,   1082.0,   1082.0,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (465623.4, 3808281.9,   1081.9,   1081.9,   0.0);   (465643.4,
3808281.9,   1081.7,   1081.7,   0.0);
     (465663.4, 3808281.9,   1081.2,   1081.2,   0.0);   (465683.4,
3808281.9,   1080.9,   1080.9,   0.0);
     (465703.4, 3808281.9,   1080.8,   1080.8,   0.0);   (465003.4,
3808301.9,   1086.2,   1086.2,   0.0);
     (465023.4, 3808301.9,   1086.7,   1086.7,   0.0);   (465043.4,
3808301.9,   1087.0,   1087.0,   0.0);
     (465063.4, 3808301.9,   1086.5,   1086.5,   0.0);   (465083.4,
3808301.9,   1086.7,   1086.7,   0.0);
     (465103.4, 3808301.9,   1087.1,   1087.1,   0.0);   (465123.4,
3808301.9,   1087.0,   1087.0,   0.0);
     (465143.4, 3808301.9,   1087.0,   1087.0,   0.0);   (465163.4,
3808301.9,   1086.9,   1086.9,   0.0);
     (465183.4, 3808301.9,   1086.3,   1086.3,   0.0);   (465203.4,
3808301.9,   1086.1,   1086.1,   0.0);
     (465223.4, 3808301.9,   1086.0,   1086.0,   0.0);   (465243.4,
3808301.9,   1086.0,   1086.0,   0.0);
     (465263.4, 3808301.9,   1085.6,   1085.6,   0.0);   (465283.4,
3808301.9,   1085.0,   1085.0,   0.0);
     (465303.4, 3808301.9,   1084.3,   1084.3,   0.0);   (465323.4,
3808301.9,   1084.1,   1084.1,   0.0);
     (465343.4, 3808301.9,   1083.9,   1083.9,   0.0);   (465363.4,
3808301.9,   1083.3,   1083.3,   0.0);
     (465383.4, 3808301.9,   1083.1,   1083.1,   0.0);   (465403.4,
3808301.9,   1082.9,   1082.9,   0.0);
     (465423.4, 3808301.9,   1082.3,   1082.3,   0.0);   (465443.4,
3808301.9,   1082.1,   1082.1,   0.0);
     (465463.4, 3808301.9,   1083.0,   1083.0,   0.0);   (465483.4,

3808301.9,   1083.0,   1083.0,   0.0);
     (465503.4, 3808301.9,   1083.0,   1083.0,   0.0);   (465523.4,
3808301.9,   1082.9,   1082.9,   0.0);
     (465543.4, 3808301.9,   1082.3,   1082.3,   0.0);   (465563.4,
3808301.9,   1082.1,   1082.1,   0.0);
     (465583.4, 3808301.9,   1082.0,   1082.0,   0.0);   (465603.4,
3808301.9,   1082.0,   1082.0,   0.0);
     (465623.4, 3808301.9,   1081.6,   1081.6,   0.0);   (465643.4,
3808301.9,   1081.1,   1081.1,   0.0);
     (465663.4, 3808301.9,   1081.0,   1081.0,   0.0);   (465683.4,
3808301.9,   1080.6,   1080.6,   0.0);
     (465703.4, 3808301.9,   1080.1,   1080.1,   0.0);   (465043.4,
3808321.9,   1085.9,   1085.9,   0.0);
     (465063.4, 3808321.9,   1086.0,   1086.0,   0.0);   (465083.4,
3808321.9,   1086.2,   1086.2,   0.0);
     (465103.4, 3808321.9,   1086.5,   1086.5,   0.0);   (465123.4,
3808321.9,   1086.5,   1086.5,   0.0);
     (465143.4, 3808321.9,   1086.5,   1086.5,   0.0);   (465163.4,
3808321.9,   1086.4,   1086.4,   0.0);
     (465183.4, 3808321.9,   1086.1,   1086.1,   0.0);   (465203.4,
3808321.9,   1086.0,   1086.0,   0.0);
     (465223.4, 3808321.9,   1085.9,   1085.9,   0.0);   (465243.4,
3808321.9,   1085.6,   1085.6,   0.0);
     (465263.4, 3808321.9,   1085.0,   1085.0,   0.0);   (465283.4,
3808321.9,   1084.4,   1084.4,   0.0);
     (465303.4, 3808321.9,   1084.1,   1084.1,   0.0);   (465323.4,
3808321.9,   1083.8,   1083.8,   0.0);
     (465343.4, 3808321.9,   1083.4,   1083.4,   0.0);   (465363.4,
3808321.9,   1083.1,   1083.1,   0.0);
     (465383.4, 3808321.9,   1082.8,   1082.8,   0.0);   (465403.4,
3808321.9,   1082.4,   1082.4,   0.0);
     (465423.4, 3808321.9,   1082.1,   1082.1,   0.0);   (465443.4,
3808321.9,   1082.0,   1082.0,   0.0);
     (465463.4, 3808321.9,   1082.5,   1082.5,   0.0);   (465483.4,
3808321.9,   1082.5,   1082.5,   0.0);
     (465503.4, 3808321.9,   1082.5,   1082.5,   0.0);   (465523.4,
3808321.9,   1082.4,   1082.4,   0.0);
     (465543.4, 3808321.9,   1082.1,   1082.1,   0.0);   (465563.4,
3808321.9,   1082.0,   1082.0,   0.0);
     (465583.4, 3808321.9,   1081.9,   1081.9,   0.0);   (465603.4,
3808321.9,   1081.6,   1081.6,   0.0);
     (465623.4, 3808321.9,   1081.3,   1081.3,   0.0);   (465643.4,
3808321.9,   1080.9,   1080.9,   0.0);
     (465663.4, 3808321.9,   1080.6,   1080.6,   0.0);   (465683.4,
3808321.9,   1080.3,   1080.3,   0.0);
     (465703.4, 3808321.9,   1079.9,   1079.9,   0.0);   (465083.4,
3808341.9,   1085.8,   1085.8,   0.0);
     (465103.4, 3808341.9,   1085.8,   1085.8,   0.0);   (465123.4,
3808341.9,   1086.0,   1086.0,   0.0);
     (465143.4, 3808341.9,   1086.0,   1086.0,   0.0);   (465163.4,

3808341.9,   1086.0,   1086.0,   0.0);
     (465183.4, 3808341.9,   1086.0,   1086.0,   0.0);   (465203.4,
3808341.9,   1085.9,   1085.9,   0.0);
     (465223.4, 3808341.9,   1085.7,   1085.7,   0.0);   (465243.4,
3808341.9,   1085.2,   1085.2,   0.0);
     (465263.4, 3808341.9,   1084.5,   1084.5,   0.0);   (465283.4,
3808341.9,   1084.0,   1084.0,   0.0);
     (465303.4, 3808341.9,   1083.8,   1083.8,   0.0);   (465323.4,
3808341.9,   1083.3,   1083.3,   0.0);
     (465343.4, 3808341.9,   1082.8,   1082.8,   0.0);   (465363.4,
3808341.9,   1082.8,   1082.8,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (465383.4, 3808341.9,   1082.4,   1082.4,   0.0);   (465403.4,
3808341.9,   1082.0,   1082.0,   0.0);
     (465423.4, 3808341.9,   1081.8,   1081.8,   0.0);   (465443.4,
3808341.9,   1081.8,   1081.8,   0.0);
     (465463.4, 3808341.9,   1082.0,   1082.0,   0.0);   (465483.4,
3808341.9,   1082.0,   1082.0,   0.0);
     (465503.4, 3808341.9,   1082.0,   1082.0,   0.0);   (465523.4,
3808341.9,   1082.0,   1082.0,   0.0);
     (465543.4, 3808341.9,   1081.8,   1081.8,   0.0);   (465563.4,
3808341.9,   1081.8,   1081.8,   0.0);
     (465583.4, 3808341.9,   1081.7,   1081.7,   0.0);   (465603.4,
3808341.9,   1081.2,   1081.2,   0.0);
     (465623.4, 3808341.9,   1080.9,   1080.9,   0.0);   (465643.4,
3808341.9,   1080.7,   1080.7,   0.0);
     (465663.4, 3808341.9,   1080.2,   1080.2,   0.0);   (465683.4,
3808341.9,   1079.9,   1079.9,   0.0);
     (465703.4, 3808341.9,   1079.7,   1079.7,   0.0);   (465103.4,
3808361.9,   1085.2,   1085.2,   0.0);
     (465123.4, 3808361.9,   1085.8,   1085.8,   0.0);   (465143.4,
3808361.9,   1086.0,   1086.0,   0.0);
     (465163.4, 3808361.9,   1086.0,   1086.0,   0.0);   (465183.4,
3808361.9,   1086.0,   1086.0,   0.0);
     (465203.4, 3808361.9,   1085.6,   1085.6,   0.0);   (465223.4,
3808361.9,   1085.1,   1085.1,   0.0);
     (465243.4, 3808361.9,   1085.0,   1085.0,   0.0);   (465263.4,
3808361.9,   1084.5,   1084.5,   0.0);
     (465283.4, 3808361.9,   1083.9,   1083.9,   0.0);   (465303.4,

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3808361.9,    1083.3,    1083.3,       0.0);
     ( 465323.4, 3808361.9,    1082.7,    1082.7,       0.0);         ( 465343.4,
3808361.9,    1082.1,    1082.1,       0.0);
     ( 465363.4, 3808361.9,    1082.1,    1082.1,       0.0);         ( 465383.4,
3808361.9,    1082.1,    1082.1,       0.0);
     ( 465403.4, 3808361.9,    1081.9,    1081.9,       0.0);         ( 465423.4,
3808361.9,    1081.3,    1081.3,       0.0);
     ( 465443.4, 3808361.9,    1081.1,    1081.1,       0.0);         ( 465463.4,
3808361.9,    1082.0,    1082.0,       0.0);
     ( 465483.4, 3808361.9,    1082.0,    1082.0,       0.0);         ( 465503.4,
3808361.9,    1082.0,    1082.0,       0.0);
     ( 465523.4, 3808361.9,    1081.9,    1081.9,       0.0);         ( 465543.4,
3808361.9,    1081.3,    1081.3,       0.0);
     ( 465563.4, 3808361.9,    1081.1,    1081.1,       0.0);         ( 465583.4,
3808361.9,    1081.1,    1081.1,       0.0);
     ( 465603.4, 3808361.9,    1081.0,    1081.0,       0.0);         ( 465623.4,
3808361.9,    1080.6,    1080.6,       0.0);
     ( 465643.4, 3808361.9,    1080.1,    1080.1,       0.0);         ( 465663.4,
3808361.9,    1080.0,    1080.0,       0.0);
     ( 465683.4, 3808361.9,    1079.6,    1079.6,       0.0);         ( 465703.4,
3808361.9,    1079.1,    1079.1,       0.0);
     ( 465183.4, 3808381.9,    1085.0,    1085.0,       0.0);         ( 465203.4,
3808381.9,    1084.7,    1084.7,       0.0);
     ( 465223.4, 3808381.9,    1084.4,    1084.4,       0.0);         ( 465243.4,
3808381.9,    1084.0,    1084.0,       0.0);
     ( 465263.4, 3808381.9,    1083.5,    1083.5,       0.0);         ( 465283.4,
3808381.9,    1082.9,    1082.9,       0.0);
     ( 465303.4, 3808381.9,    1082.6,    1082.6,       0.0);         ( 465323.4,
3808381.9,    1082.0,    1082.0,       0.0);
     ( 465343.4, 3808381.9,    1081.5,    1081.5,       0.0);         ( 465363.4,
3808381.9,    1081.5,    1081.5,       0.0);
     ( 465383.4, 3808381.9,    1081.5,    1081.5,       0.0);         ( 465403.4,
3808381.9,    1081.4,    1081.4,       0.0);
     ( 465423.4, 3808381.9,    1081.1,    1081.1,       0.0);         ( 465443.4,
3808381.9,    1081.0,    1081.0,       0.0);
     ( 465463.4, 3808381.9,    1081.5,    1081.5,       0.0);         ( 465483.4,
3808381.9,    1081.5,    1081.5,       0.0);
     ( 465503.4, 3808381.9,    1081.5,    1081.5,       0.0);         ( 465523.4,
3808381.9,    1081.4,    1081.4,       0.0);
     ( 465543.4, 3808381.9,    1081.1,    1081.1,       0.0);         ( 465563.4,
3808381.9,    1080.8,    1080.8,       0.0);
     ( 465583.4, 3808381.9,    1080.5,    1080.5,       0.0);         ( 465603.4,
3808381.9,    1080.5,    1080.5,       0.0);
     ( 465623.4, 3808381.9,    1080.3,    1080.3,       0.0);         ( 465643.4,
3808381.9,    1079.9,    1079.9,       0.0);
     ( 465663.4, 3808381.9,    1079.6,    1079.6,       0.0);         ( 465683.4,
3808381.9,    1079.3,    1079.3,       0.0);
     ( 465703.4, 3808381.9,    1078.9,    1078.9,       0.0);         ( 465303.4,
3808401.9,    1081.6,    1081.6,       0.0);
     ( 465323.4, 3808401.9,    1081.2,    1081.2,       0.0);         ( 465343.4,
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3808401.9,   1080.8,   1080.8,   0.0);
     (465363.4, 3808401.9,   1080.8,   1080.8,   0.0);   (465383.4,
3808401.9,   1080.8,   1080.8,   0.0);
     (465403.4, 3808401.9,   1080.8,   1080.8,   0.0);   (465423.4,
3808401.9,   1080.8,   1080.8,   0.0);
     (465443.4, 3808401.9,   1080.8,   1080.8,   0.0);   (465463.4,
3808401.9,   1080.8,   1080.8,   0.0);
     (465483.4, 3808401.9,   1080.8,   1080.8,   0.0);   (465503.4,
3808401.9,   1080.8,   1080.8,   0.0);
     (465523.4, 3808401.9,   1080.8,   1080.8,   0.0);   (465543.4,
3808401.9,   1080.8,   1080.8,   0.0);
     (465563.4, 3808401.9,   1080.4,   1080.4,   0.0);   (465583.4,
3808401.9,   1080.0,   1080.0,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                    *** DISCRETE CARTESIAN RECEPTORS ***
                                  (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                           (METERS)

     (465603.4, 3808401.9,   1080.0,   1080.0,   0.0);   (465623.4,
3808401.9,   1079.9,   1079.9,   0.0);
     (465643.4, 3808401.9,   1079.7,   1079.7,   0.0);   (465663.4,
3808401.9,   1079.2,   1079.2,   0.0);
     (465683.4, 3808401.9,   1078.9,   1078.9,   0.0);   (465703.4,
3808401.9,   1078.7,   1078.7,   0.0);
     (465323.4, 3808421.9,   1080.2,   1080.2,   0.0);   (465343.4,
3808421.9,   1080.1,   1080.1,   0.0);
     (465363.4, 3808421.9,   1080.1,   1080.1,   0.0);   (465383.4,
3808421.9,   1080.1,   1080.1,   0.0);
     (465403.4, 3808421.9,   1080.1,   1080.1,   0.0);   (465423.4,
3808421.9,   1080.1,   1080.1,   0.0);
     (465443.4, 3808421.9,   1080.1,   1080.1,   0.0);   (465463.4,
3808421.9,   1080.1,   1080.1,   0.0);
     (465483.4, 3808421.9,   1080.1,   1080.1,   0.0);   (465503.4,
3808421.9,   1080.1,   1080.1,   0.0);
     (465523.4, 3808421.9,   1080.1,   1080.1,   0.0);   (465543.4,
3808421.9,   1080.1,   1080.1,   0.0);
     (465563.4, 3808421.9,   1080.1,   1080.1,   0.0);   (465583.4,
3808421.9,   1080.0,   1080.0,   0.0);
     (465603.4, 3808421.9,   1080.0,   1080.0,   0.0);   (465623.4,
3808421.9,   1079.6,   1079.6,   0.0);
     (465643.4, 3808421.9,   1079.1,   1079.1,   0.0);   (465663.4,
3808421.9,   1079.0,   1079.0,   0.0);
     (465683.4, 3808421.9,   1078.6,   1078.6,   0.0);   (465703.4,

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3808421.9,    1078.1,    1078.1,       0.0);
     ( 465323.4, 3808441.9,    1079.5,    1079.5,       0.0);         ( 465343.4,
3808441.9,    1079.5,    1079.5,       0.0);
     ( 465363.4, 3808441.9,    1079.9,    1079.9,       0.0);         ( 465383.4,
3808441.9,    1080.0,    1080.0,       0.0);
     ( 465403.4, 3808441.9,    1080.0,    1080.0,       0.0);         ( 465423.4,
3808441.9,    1080.0,    1080.0,       0.0);
     ( 465443.4, 3808441.9,    1080.0,    1080.0,       0.0);         ( 465463.4,
3808441.9,    1080.0,    1080.0,       0.0);
     ( 465483.4, 3808441.9,    1080.0,    1080.0,       0.0);         ( 465503.4,
3808441.9,    1080.0,    1080.0,       0.0);
     ( 465523.4, 3808441.9,    1080.0,    1080.0,       0.0);         ( 465543.4,
3808441.9,    1080.0,    1080.0,       0.0);
     ( 465563.4, 3808441.9,    1080.0,    1080.0,       0.0);         ( 465583.4,
3808441.9,    1080.0,    1080.0,       0.0);
     ( 465603.4, 3808441.9,    1080.0,    1080.0,       0.0);         ( 465623.4,
3808441.9,    1079.5,    1079.5,       0.0);
     ( 465643.4, 3808441.9,    1078.9,    1078.9,       0.0);         ( 465663.4,
3808441.9,    1078.6,    1078.6,       0.0);
     ( 465683.4, 3808441.9,    1078.3,    1078.3,       0.0);         ( 465703.4,
3808441.9,    1078.0,    1078.0,       0.0);
     ( 465343.4, 3808461.9,    1078.9,    1078.9,       0.0);         ( 465363.4,
3808461.9,    1079.4,    1079.4,       0.0);
     ( 465383.4, 3808461.9,    1079.7,    1079.7,       0.0);         ( 465403.4,
3808461.9,    1079.8,    1079.8,       0.0);
     ( 465423.4, 3808461.9,    1079.8,    1079.8,       0.0);         ( 465443.4,
3808461.9,    1079.8,    1079.8,       0.0);
     ( 465463.4, 3808461.9,    1079.8,    1079.8,       0.0);         ( 465483.4,
3808461.9,    1079.8,    1079.8,       0.0);
     ( 465503.4, 3808461.9,    1079.9,    1079.9,       0.0);         ( 465523.4,
3808461.9,    1080.0,    1080.0,       0.0);
     ( 465543.4, 3808461.9,    1080.0,    1080.0,       0.0);         ( 465563.4,
3808461.9,    1080.0,    1080.0,       0.0);
     ( 465583.4, 3808461.9,    1080.0,    1080.0,       0.0);         ( 465603.4,
3808461.9,    1080.0,    1080.0,       0.0);
     ( 465623.4, 3808461.9,    1079.5,    1079.5,       0.0);         ( 465643.4,
3808461.9,    1078.9,    1078.9,       0.0);
     ( 465663.4, 3808461.9,    1078.2,    1078.2,       0.0);         ( 465683.4,
3808461.9,    1078.0,    1078.0,       0.0);
     ( 465703.4, 3808461.9,    1078.0,    1078.0,       0.0);         ( 465343.4,
3808481.9,    1078.1,    1078.1,       0.0);
     ( 465363.4, 3808481.9,    1078.2,    1078.2,       0.0);         ( 465383.4,
3808481.9,    1078.7,    1078.7,       0.0);
     ( 465403.4, 3808481.9,    1079.1,    1079.1,       0.0);         ( 465423.4,
3808481.9,    1079.1,    1079.1,       0.0);
     ( 465443.4, 3808481.9,    1079.1,    1079.1,       0.0);         ( 465463.4,
3808481.9,    1079.1,    1079.1,       0.0);
     ( 465483.4, 3808481.9,    1079.1,    1079.1,       0.0);         ( 465503.4,
3808481.9,    1079.5,    1079.5,       0.0);
     ( 465523.4, 3808481.9,    1080.0,    1080.0,       0.0);         ( 465543.4,
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3808481.9,   1080.0,   1080.0,   0.0);
     (465563.4, 3808481.9,   1080.0,   1080.0,   0.0);   (465583.4,
3808481.9,   1080.0,   1080.0,   0.0);
     (465603.4, 3808481.9,   1080.0,   1080.0,   0.0);   (465623.4,
3808481.9,   1079.5,   1079.5,   0.0);
     (465643.4, 3808481.9,   1078.9,   1078.9,   0.0);   (465663.4,
3808481.9,   1078.2,   1078.2,   0.0);
     (465683.4, 3808481.9,   1078.0,   1078.0,   0.0);   (465703.4,
3808481.9,   1077.9,   1077.9,   0.0);
     (465463.4, 3808501.9,   1078.9,   1078.9,   0.0);   (465483.4,
3808501.9,   1078.6,   1078.6,   0.0);
     (465503.4, 3808501.9,   1078.9,   1078.9,   0.0);   (465523.4,
3808501.9,   1079.5,   1079.5,   0.0);
     (465543.4, 3808501.9,   1079.5,   1079.5,   0.0);   (465563.4,
3808501.9,   1079.7,   1079.7,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (465583.4, 3808501.9,   1079.9,   1079.9,   0.0);   (465603.4,
3808501.9,   1079.6,   1079.6,   0.0);
     (465623.4, 3808501.9,   1079.3,   1079.3,   0.0);   (465643.4,
3808501.9,   1078.9,   1078.9,   0.0);
     (465663.4, 3808501.9,   1078.2,   1078.2,   0.0);   (465683.4,
3808501.9,   1078.0,   1078.0,   0.0);
     (465703.4, 3808501.9,   1077.9,   1077.9,   0.0);   (465523.4,
3808521.9,   1078.8,   1078.8,   0.0);
     (465543.4, 3808521.9,   1078.8,   1078.8,   0.0);   (465563.4,
3808521.9,   1079.3,   1079.3,   0.0);
     (465583.4, 3808521.9,   1079.7,   1079.7,   0.0);   (465603.4,
3808521.9,   1079.2,   1079.2,   0.0);
     (465623.4, 3808521.9,   1078.9,   1078.9,   0.0);   (465643.4,
3808521.9,   1078.7,   1078.7,   0.0);
     (465663.4, 3808521.9,   1078.2,   1078.2,   0.0);   (465683.4,
3808521.9,   1077.9,   1077.9,   0.0);
     (465703.4, 3808521.9,   1077.7,   1077.7,   0.0);   (463745.3,
3809562.3,   1070.0,   1070.0,   0.0);
     (463783.3, 3809562.3,   1071.2,   1071.2,   0.0);   (463821.3,
3809562.3,   1072.9,   1079.0,   0.0);
     (463859.3, 3809562.3,   1076.2,   1076.2,   0.0);   (463897.3,
3809562.3,   1078.8,   1078.8,   0.0);
     (463935.3, 3809562.3,   1079.3,   1079.3,   0.0);   (463973.3,

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3809562.3,    1079.6,    1079.6,       0.0);
     ( 464011.3, 3809562.3,    1078.3,    1078.3,       0.0);         ( 464049.3,
3809562.3,    1078.0,    1078.0,       0.0);
     ( 464087.3, 3809562.3,    1077.1,    1077.1,       0.0);         ( 464125.3,
3809562.3,    1076.5,    1076.5,       0.0);
     ( 464163.3, 3809562.3,    1076.0,    1076.0,       0.0);         ( 464201.3,
3809562.3,    1076.0,    1076.0,       0.0);
     ( 464239.3, 3809562.3,    1075.1,    1075.1,       0.0);         ( 464277.3,
3809562.3,    1074.5,    1074.5,       0.0);
     ( 464315.3, 3809562.3,    1074.0,    1074.0,       0.0);         ( 464353.3,
3809562.3,    1073.9,    1073.9,       0.0);
     ( 464391.3, 3809562.3,    1073.1,    1073.1,       0.0);         ( 464429.3,
3809562.3,    1073.0,    1073.0,       0.0);
     ( 464467.3, 3809562.3,    1072.2,    1072.2,       0.0);         ( 464505.3,
3809562.3,    1072.0,    1072.0,       0.0);
     ( 463745.3, 3809591.4,    1069.0,    1069.0,       0.0);         ( 463783.3,
3809591.4,    1070.3,    1070.3,       0.0);
     ( 463821.3, 3809591.4,    1071.6,    1079.0,       0.0);         ( 463859.3,
3809591.4,    1074.2,    1077.0,       0.0);
     ( 463897.3, 3809591.4,    1077.1,    1077.1,       0.0);         ( 463935.3,
3809591.4,    1079.0,    1079.0,       0.0);
     ( 463973.3, 3809591.4,    1079.1,    1079.1,       0.0);         ( 464011.3,
3809591.4,    1078.3,    1078.3,       0.0);
     ( 464049.3, 3809591.4,    1078.0,    1078.0,       0.0);         ( 464087.3,
3809591.4,    1076.8,    1076.8,       0.0);
     ( 464125.3, 3809591.4,    1076.1,    1076.1,       0.0);         ( 464163.3,
3809591.4,    1075.3,    1075.3,       0.0);
     ( 464201.3, 3809591.4,    1075.1,    1075.1,       0.0);         ( 464239.3,
3809591.4,    1074.7,    1074.7,       0.0);
     ( 464277.3, 3809591.4,    1074.1,    1074.1,       0.0);         ( 464315.3,
3809591.4,    1074.0,    1074.0,       0.0);
     ( 464353.3, 3809591.4,    1073.1,    1073.1,       0.0);         ( 464391.3,
3809591.4,    1073.0,    1073.0,       0.0);
     ( 464429.3, 3809591.4,    1072.5,    1072.5,       0.0);         ( 464467.3,
3809591.4,    1072.0,    1072.0,       0.0);
     ( 464505.3, 3809591.4,    1071.8,    1071.8,       0.0);         ( 463745.3,
3809620.4,    1067.1,    1067.1,       0.0);
     ( 463783.3, 3809620.4,    1068.6,    1068.6,       0.0);         ( 463821.3,
3809620.4,    1070.6,    1070.6,       0.0);
     ( 463859.3, 3809620.4,    1072.6,    1072.6,       0.0);         ( 463897.3,
3809620.4,    1075.2,    1075.2,       0.0);
     ( 463935.3, 3809620.4,    1077.5,    1077.5,       0.0);         ( 463973.3,
3809620.4,    1078.2,    1078.2,       0.0);
     ( 464011.3, 3809620.4,    1078.0,    1078.0,       0.0);         ( 464049.3,
3809620.4,    1077.2,    1077.2,       0.0);
     ( 464087.3, 3809620.4,    1076.1,    1076.1,       0.0);         ( 464125.3,
3809620.4,    1075.6,    1075.6,       0.0);
     ( 464163.3, 3809620.4,    1075.0,    1075.0,       0.0);         ( 464201.3,
3809620.4,    1074.2,    1074.2,       0.0);
     ( 464239.3, 3809620.4,    1074.1,    1074.1,       0.0);         ( 464277.3,
```

3809620.4,   1073.5,   1073.5,   0.0);
     (464315.3, 3809620.4,   1073.2,   1073.2,   0.0);   (464353.3,
3809620.4,   1072.9,   1072.9,   0.0);
     (464391.3, 3809620.4,   1072.2,   1072.2,   0.0);   (464429.3,
3809620.4,   1072.1,   1072.1,   0.0);
     (464467.3, 3809620.4,   1072.0,   1072.0,   0.0);   (464505.3,
3809620.4,   1071.1,   1071.1,   0.0);
     (463745.3, 3809649.5,   1065.0,   1065.0,   0.0);   (463783.3,
3809649.5,   1067.3,   1067.3,   0.0);
     (463821.3, 3809649.5,   1069.1,   1069.1,   0.0);   (463859.3,
3809649.5,   1071.0,   1071.0,   0.0);
     (463897.3, 3809649.5,   1073.2,   1073.2,   0.0);   (463935.3,
3809649.5,   1075.5,   1075.5,   0.0);
     (463973.3, 3809649.5,   1075.6,   1075.6,   0.0);   (464011.3,
3809649.5,   1076.2,   1076.2,   0.0);
     (464049.3, 3809649.5,   1076.2,   1076.2,   0.0);   (464087.3,
3809649.5,   1075.2,   1075.2,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (464125.3, 3809649.5,   1075.1,   1075.1,   0.0);   (464163.3,
3809649.5,   1074.4,   1074.4,   0.0);
     (464201.3, 3809649.5,   1074.0,   1074.0,   0.0);   (464239.3,
3809649.5,   1073.8,   1073.8,   0.0);
     (464277.3, 3809649.5,   1073.1,   1073.1,   0.0);   (464315.3,
3809649.5,   1072.3,   1072.3,   0.0);
     (464353.3, 3809649.5,   1072.2,   1072.2,   0.0);   (464391.3,
3809649.5,   1072.0,   1072.0,   0.0);
     (464429.3, 3809649.5,   1071.5,   1071.5,   0.0);   (464467.3,
3809649.5,   1071.2,   1071.2,   0.0);
     (464505.3, 3809649.5,   1070.9,   1070.9,   0.0);   (463745.3,
3809678.5,   1062.4,   1067.0,   0.0);
     (463783.3, 3809678.5,   1065.0,   1065.0,   0.0);   (463821.3,
3809678.5,   1067.7,   1067.7,   0.0);
     (463859.3, 3809678.5,   1069.1,   1069.1,   0.0);   (463897.3,
3809678.5,   1071.3,   1071.3,   0.0);
     (463935.3, 3809678.5,   1073.6,   1073.6,   0.0);   (463973.3,
3809678.5,   1074.2,   1074.2,   0.0);
     (464011.3, 3809678.5,   1074.4,   1074.4,   0.0);   (464049.3,
3809678.5,   1075.2,   1075.2,   0.0);
     (464087.3, 3809678.5,   1075.0,   1075.0,   0.0);   (464125.3,

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3809678.5,    1074.6,    1074.6,       0.0);
     ( 464163.3, 3809678.5,    1074.0,    1074.0,       0.0);         ( 464201.3,
3809678.5,    1074.0,    1074.0,       0.0);
     ( 464239.3, 3809678.5,    1073.2,    1073.2,       0.0);         ( 464277.3,
3809678.5,    1072.6,    1072.6,       0.0);
     ( 464315.3, 3809678.5,    1072.0,    1072.0,       0.0);         ( 464353.3,
3809678.5,    1072.0,    1072.0,       0.0);
     ( 464391.3, 3809678.5,    1071.7,    1071.7,       0.0);         ( 464429.3,
3809678.5,    1071.1,    1071.1,       0.0);
     ( 464467.3, 3809678.5,    1071.0,    1071.0,       0.0);         ( 464505.3,
3809678.5,    1070.2,    1070.2,       0.0);
     ( 463745.3, 3809707.6,    1060.4,    1067.0,       0.0);         ( 463783.3,
3809707.6,    1062.8,    1067.0,       0.0);
     ( 463821.3, 3809707.6,    1065.5,    1065.5,       0.0);         ( 463859.3,
3809707.6,    1067.7,    1067.7,       0.0);
     ( 463897.3, 3809707.6,    1069.4,    1069.4,       0.0);         ( 463935.3,
3809707.6,    1071.7,    1071.7,       0.0);
     ( 463973.3, 3809707.6,    1072.9,    1072.9,       0.0);         ( 464011.3,
3809707.6,    1073.3,    1073.3,       0.0);
     ( 464049.3, 3809707.6,    1074.2,    1074.2,       0.0);         ( 464087.3,
3809707.6,    1074.3,    1074.3,       0.0);
     ( 464125.3, 3809707.6,    1074.1,    1074.1,       0.0);         ( 464163.3,
3809707.6,    1074.0,    1074.0,       0.0);
     ( 464201.3, 3809707.6,    1073.3,    1073.3,       0.0);         ( 464239.3,
3809707.6,    1072.8,    1072.8,       0.0);
     ( 464277.3, 3809707.6,    1072.1,    1072.1,       0.0);         ( 464315.3,
3809707.6,    1072.0,    1072.0,       0.0);
     ( 464353.3, 3809707.6,    1071.3,    1071.3,       0.0);         ( 464391.3,
3809707.6,    1071.2,    1071.2,       0.0);
     ( 464429.3, 3809707.6,    1070.5,    1070.5,       0.0);         ( 464467.3,
3809707.6,    1070.3,    1070.3,       0.0);
     ( 464505.3, 3809707.6,    1070.0,    1070.0,       0.0);         ( 463745.3,
3809736.7,    1059.1,    1059.1,       0.0);
     ( 463783.3, 3809736.7,    1060.8,    1067.0,       0.0);         ( 463821.3,
3809736.7,    1062.7,    1068.0,       0.0);
     ( 463859.3, 3809736.7,    1065.2,    1068.0,       0.0);         ( 463897.3,
3809736.7,    1067.5,    1067.5,       0.0);
     ( 463935.3, 3809736.7,    1069.2,    1069.2,       0.0);         ( 463973.3,
3809736.7,    1071.4,    1071.4,       0.0);
     ( 464011.3, 3809736.7,    1072.8,    1072.8,       0.0);         ( 464049.3,
3809736.7,    1073.3,    1073.3,       0.0);
     ( 464087.3, 3809736.7,    1074.0,    1074.0,       0.0);         ( 464125.3,
3809736.7,    1074.0,    1074.0,       0.0);
     ( 464163.3, 3809736.7,    1074.0,    1074.0,       0.0);         ( 464201.3,
3809736.7,    1073.0,    1073.0,       0.0);
     ( 464239.3, 3809736.7,    1072.7,    1072.7,       0.0);         ( 464277.3,
3809736.7,    1072.0,    1072.0,       0.0);
     ( 464315.3, 3809736.7,    1071.4,    1071.4,       0.0);         ( 464353.3,
3809736.7,    1071.0,    1071.0,       0.0);
     ( 464391.3, 3809736.7,    1070.7,    1070.7,       0.0);         ( 464429.3,
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3809736.7,   1070.1,   1070.1,   0.0);
     (464467.3, 3809736.7,   1070.0,   1070.0,   0.0);   (464505.3,
3809736.7,   1069.9,   1069.9,   0.0);
     (463745.3, 3809765.7,   1058.2,   1058.2,   0.0);   (463783.3,
3809765.7,   1059.5,   1059.5,   0.0);
     (463821.3, 3809765.7,   1060.8,   1068.0,   0.0);   (463859.3,
3809765.7,   1063.0,   1063.0,   0.0);
     (463897.3, 3809765.7,   1065.5,   1065.5,   0.0);   (463935.3,
3809765.7,   1066.8,   1070.0,   0.0);
     (463973.3, 3809765.7,   1068.2,   1072.0,   0.0);   (464011.3,
3809765.7,   1071.5,   1071.5,   0.0);
     (464049.3, 3809765.7,   1073.0,   1073.0,   0.0);   (464087.3,
3809765.7,   1073.5,   1073.5,   0.0);
     (464125.3, 3809765.7,   1074.0,   1074.0,   0.0);   (464163.3,
3809765.7,   1074.0,   1074.0,   0.0);
     (464201.3, 3809765.7,   1073.0,   1073.0,   0.0);   (464239.3,
3809765.7,   1072.7,   1072.7,   0.0);
     (464277.3, 3809765.7,   1072.0,   1072.0,   0.0);   (464315.3,
3809765.7,   1071.2,   1071.2,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (464353.3, 3809765.7,   1070.9,   1070.9,   0.0);   (464391.3,
3809765.7,   1070.2,   1070.2,   0.0);
     (464429.3, 3809765.7,   1070.0,   1070.0,   0.0);   (464467.3,
3809765.7,   1070.0,   1070.0,   0.0);
     (464505.3, 3809765.7,   1069.3,   1069.3,   0.0);   (463745.3,
3809794.8,   1057.3,   1057.3,   0.0);
     (463783.3, 3809794.8,   1057.8,   1057.8,   0.0);   (463821.3,
3809794.8,   1059.1,   1059.1,   0.0);
     (463859.3, 3809794.8,   1060.6,   1067.0,   0.0);   (463897.3,
3809794.8,   1062.9,   1065.0,   0.0);
     (463935.3, 3809794.8,   1064.2,   1072.0,   0.0);   (463973.3,
3809794.8,   1065.6,   1073.0,   0.0);
     (464011.3, 3809794.8,   1068.7,   1073.0,   0.0);   (464049.3,
3809794.8,   1072.3,   1072.3,   0.0);
     (464087.3, 3809794.8,   1073.1,   1073.1,   0.0);   (464125.3,
3809794.8,   1073.4,   1073.4,   0.0);
     (464163.3, 3809794.8,   1073.4,   1073.4,   0.0);   (464201.3,
3809794.8,   1073.0,   1073.0,   0.0);
     (464239.3, 3809794.8,   1072.3,   1072.3,   0.0);   (464277.3,

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3809794.8,    1071.6,    1071.6,       0.0);
     ( 464315.3, 3809794.8,    1071.1,    1071.1,       0.0);         ( 464353.3,
3809794.8,    1070.3,    1070.3,       0.0);
     ( 464391.3, 3809794.8,    1070.0,    1070.0,       0.0);         ( 464429.3,
3809794.8,    1070.0,    1070.0,       0.0);
     ( 464467.3, 3809794.8,    1069.4,    1069.4,       0.0);         ( 464505.3,
3809794.8,    1069.0,    1069.0,       0.0);
     ( 463745.3, 3809823.8,    1056.5,    1056.5,       0.0);         ( 463783.3,
3809823.8,    1056.4,    1056.4,       0.0);
     ( 463821.3, 3809823.8,    1056.6,    1056.6,       0.0);         ( 463859.3,
3809823.8,    1058.2,    1065.0,       0.0);
     ( 463897.3, 3809823.8,    1060.1,    1066.0,       0.0);         ( 463935.3,
3809823.8,    1061.4,    1073.0,       0.0);
     ( 463973.3, 3809823.8,    1063.1,    1073.0,       0.0);         ( 464011.3,
3809823.8,    1065.6,    1073.0,       0.0);
     ( 464049.3, 3809823.8,    1069.5,    1072.0,       0.0);         ( 464087.3,
3809823.8,    1072.1,    1072.1,       0.0);
     ( 464125.3, 3809823.8,    1073.0,    1073.0,       0.0);         ( 464163.3,
3809823.8,    1073.0,    1073.0,       0.0);
     ( 464201.3, 3809823.8,    1072.4,    1072.4,       0.0);         ( 464239.3,
3809823.8,    1072.0,    1072.0,       0.0);
     ( 464277.3, 3809823.8,    1071.4,    1071.4,       0.0);         ( 464315.3,
3809823.8,    1070.5,    1070.5,       0.0);
     ( 464353.3, 3809823.8,    1070.0,    1070.0,       0.0);         ( 464391.3,
3809823.8,    1069.8,    1069.8,       0.0);
     ( 464429.3, 3809823.8,    1069.4,    1069.4,       0.0);         ( 464467.3,
3809823.8,    1069.0,    1069.0,       0.0);
     ( 464505.3, 3809823.8,    1068.4,    1068.4,       0.0);         ( 463745.3,
3809852.9,    1056.2,    1078.0,       0.0);
     ( 463783.3, 3809852.9,    1055.9,    1055.9,       0.0);         ( 463821.3,
3809852.9,    1055.0,    1055.0,       0.0);
     ( 463859.3, 3809852.9,    1056.2,    1065.0,       0.0);         ( 463897.3,
3809852.9,    1057.3,    1072.0,       0.0);
     ( 463935.3, 3809852.9,    1058.6,    1073.0,       0.0);         ( 463973.3,
3809852.9,    1060.5,    1073.0,       0.0);
     ( 464011.3, 3809852.9,    1062.7,    1073.0,       0.0);         ( 464049.3,
3809852.9,    1066.2,    1073.0,       0.0);
     ( 464087.3, 3809852.9,    1069.2,    1073.0,       0.0);         ( 464125.3,
3809852.9,    1071.0,    1071.0,       0.0);
     ( 464163.3, 3809852.9,    1071.3,    1071.3,       0.0);         ( 464201.3,
3809852.9,    1070.9,    1070.9,       0.0);
     ( 464239.3, 3809852.9,    1070.9,    1070.9,       0.0);         ( 464277.3,
3809852.9,    1070.6,    1070.6,       0.0);
     ( 464315.3, 3809852.9,    1070.1,    1070.1,       0.0);         ( 464353.3,
3809852.9,    1069.4,    1069.4,       0.0);
     ( 464391.3, 3809852.9,    1069.3,    1069.3,       0.0);         ( 464429.3,
3809852.9,    1069.0,    1069.0,       0.0);
     ( 464467.3, 3809852.9,    1068.5,    1068.5,       0.0);         ( 464505.3,
3809852.9,    1068.0,    1068.0,       0.0);
     ( 463745.3, 3809882.0,    1056.2,    1078.0,       0.0);         ( 463783.3,
```

3809882.0,   1055.3,   1055.3,   0.0);
     (463821.3, 3809882.0,   1054.3,   1054.3,   0.0);   (463859.3,
3809882.0,   1054.6,   1054.6,   0.0);
     (463897.3, 3809882.0,   1054.9,   1072.0,   0.0);   (463935.3,
3809882.0,   1055.8,   1073.0,   0.0);
     (463973.3, 3809882.0,   1058.1,   1073.0,   0.0);   (464011.3,
3809882.0,   1060.3,   1073.0,   0.0);
     (464049.3, 3809882.0,   1063.3,   1073.0,   0.0);   (464087.3,
3809882.0,   1065.9,   1073.0,   0.0);
     (464125.3, 3809882.0,   1067.9,   1073.0,   0.0);   (464163.3,
3809882.0,   1068.4,   1068.4,   0.0);
     (464201.3, 3809882.0,   1068.9,   1068.9,   0.0);   (464239.3,
3809882.0,   1068.9,   1068.9,   0.0);
     (464277.3, 3809882.0,   1069.2,   1069.2,   0.0);   (464315.3,
3809882.0,   1069.5,   1069.5,   0.0);
     (464353.3, 3809882.0,   1069.0,   1069.0,   0.0);   (464391.3,
3809882.0,   1069.0,   1069.0,   0.0);
     (464429.3, 3809882.0,   1068.7,   1068.7,   0.0);   (464467.3,
3809882.0,   1068.0,   1068.0,   0.0);
     (464505.3, 3809882.0,   1067.9,   1067.9,   0.0);   (463745.3,
3809911.0,   1055.7,   1078.0,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (463783.3, 3809911.0,   1054.4,   1076.0,   0.0);   (463821.3,
3809911.0,   1053.8,   1053.8,   0.0);
     (463859.3, 3809911.0,   1053.5,   1053.5,   0.0);   (463897.3,
3809911.0,   1053.5,   1072.0,   0.0);
     (463935.3, 3809911.0,   1053.8,   1073.0,   0.0);   (463973.3,
3809911.0,   1055.7,   1073.0,   0.0);
     (464011.3, 3809911.0,   1057.9,   1073.0,   0.0);   (464049.3,
3809911.0,   1060.9,   1073.0,   0.0);
     (464087.3, 3809911.0,   1063.4,   1073.0,   0.0);   (464125.3,
3809911.0,   1065.3,   1073.0,   0.0);
     (464163.3, 3809911.0,   1066.4,   1066.4,   0.0);   (464201.3,
3809911.0,   1067.5,   1067.5,   0.0);
     (464239.3, 3809911.0,   1067.6,   1067.6,   0.0);   (464277.3,
3809911.0,   1068.3,   1068.3,   0.0);
     (464315.3, 3809911.0,   1068.5,   1068.5,   0.0);   (464353.3,
3809911.0,   1068.5,   1068.5,   0.0);
     (464391.3, 3809911.0,   1068.5,   1068.5,   0.0);   (464429.3,

3809911.0,   1068.2,   1068.2,   0.0);
     (464467.3, 3809911.0,   1068.0,   1068.0,   0.0);   (464505.3,
3809911.0,   1067.4,   1067.4,   0.0);
     (463745.3, 3809940.1,   1055.0,   1079.0,   0.0);   (463783.3,
3809940.1,   1053.5,   1078.0,   0.0);
     (463821.3, 3809940.1,   1053.1,   1073.0,   0.0);   (463859.3,
3809940.1,   1052.5,   1052.5,   0.0);
     (463897.3, 3809940.1,   1052.5,   1052.5,   0.0);   (463935.3,
3809940.1,   1052.7,   1073.0,   0.0);
     (463973.3, 3809940.1,   1054.0,   1073.0,   0.0);   (464011.3,
3809940.1,   1055.3,   1073.0,   0.0);
     (464049.3, 3809940.1,   1058.1,   1073.0,   0.0);   (464087.3,
3809940.1,   1060.5,   1073.0,   0.0);
     (464125.3, 3809940.1,   1062.6,   1065.0,   0.0);   (464163.3,
3809940.1,   1064.7,   1064.7,   0.0);
     (464201.3, 3809940.1,   1066.5,   1066.5,   0.0);   (464239.3,
3809940.1,   1067.2,   1067.2,   0.0);
     (464277.3, 3809940.1,   1067.5,   1067.5,   0.0);   (464315.3,
3809940.1,   1067.9,   1067.9,   0.0);
     (464353.3, 3809940.1,   1068.0,   1068.0,   0.0);   (464391.3,
3809940.1,   1068.0,   1068.0,   0.0);
     (464429.3, 3809940.1,   1068.0,   1068.0,   0.0);   (464467.3,
3809940.1,   1067.6,   1067.6,   0.0);
     (464505.3, 3809940.1,   1067.0,   1067.0,   0.0);   (463745.3,
3809969.1,   1056.0,   1078.0,   0.0);
     (463783.3, 3809969.1,   1053.3,   1076.0,   0.0);   (463821.3,
3809969.1,   1052.3,   1073.0,   0.0);
     (463859.3, 3809969.1,   1051.7,   1072.0,   0.0);   (463897.3,
3809969.1,   1051.6,   1051.6,   0.0);
     (463935.3, 3809969.1,   1051.7,   1072.0,   0.0);   (463973.3,
3809969.1,   1052.8,   1073.0,   0.0);
     (464011.3, 3809969.1,   1053.4,   1073.0,   0.0);   (464049.3,
3809969.1,   1055.1,   1073.0,   0.0);
     (464087.3, 3809969.1,   1057.6,   1073.0,   0.0);   (464125.3,
3809969.1,   1060.4,   1065.0,   0.0);
     (464163.3, 3809969.1,   1062.8,   1062.8,   0.0);   (464201.3,
3809969.1,   1065.2,   1065.2,   0.0);
     (464239.3, 3809969.1,   1066.7,   1066.7,   0.0);   (464277.3,
3809969.1,   1067.0,   1067.0,   0.0);
     (464315.3, 3809969.1,   1067.5,   1067.5,   0.0);   (464353.3,
3809969.1,   1068.0,   1068.0,   0.0);
     (464391.3, 3809969.1,   1068.0,   1068.0,   0.0);   (464429.3,
3809969.1,   1067.7,   1067.7,   0.0);
     (464467.3, 3809969.1,   1067.0,   1067.0,   0.0);   (464505.3,
3809969.1,   1066.9,   1066.9,   0.0);
     (463745.3, 3809998.2,   1058.8,   1073.0,   0.0);   (463783.3,
3809998.2,   1054.6,   1073.0,   0.0);
     (463821.3, 3809998.2,   1052.5,   1073.0,   0.0);   (463859.3,
3809998.2,   1051.4,   1073.0,   0.0);
     (463897.3, 3809998.2,   1051.0,   1070.0,   0.0);   (463935.3,

3809998.2,   1050.8,   1050.8,   0.0);
     (463973.3, 3809998.2,   1051.6,   1073.0,   0.0);   (464011.3,
3809998.2,   1052.3,   1073.0,   0.0);
     (464049.3, 3809998.2,   1053.6,   1073.0,   0.0);   (464087.3,
3809998.2,   1055.7,   1073.0,   0.0);
     (464125.3, 3809998.2,   1058.7,   1061.0,   0.0);   (464163.3,
3809998.2,   1061.3,   1061.3,   0.0);
     (464201.3, 3809998.2,   1063.7,   1063.7,   0.0);   (464239.3,
3809998.2,   1065.5,   1065.5,   0.0);
     (464277.3, 3809998.2,   1066.6,   1066.6,   0.0);   (464315.3,
3809998.2,   1067.0,   1067.0,   0.0);
     (464353.3, 3809998.2,   1067.6,   1067.6,   0.0);   (464391.3,
3809998.2,   1067.6,   1067.6,   0.0);
     (464429.3, 3809998.2,   1067.2,   1067.2,   0.0);   (464467.3,
3809998.2,   1067.0,   1067.0,   0.0);
     (464505.3, 3809998.2,   1066.5,   1066.5,   0.0);   (463745.3,
3810027.3,   1061.8,   1073.0,   0.0);
     (463783.3, 3810027.3,   1056.8,   1073.0,   0.0);   (463821.3,
3810027.3,   1053.6,   1073.0,   0.0);
     (463859.3, 3810027.3,   1051.7,   1073.0,   0.0);   (463897.3,
3810027.3,   1051.0,   1072.0,   0.0);
     (463935.3, 3810027.3,   1050.1,   1050.1,   0.0);   (463973.3,
3810027.3,   1050.8,   1050.8,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (464011.3, 3810027.3,   1051.4,   1073.0,   0.0);   (464049.3,
3810027.3,   1052.6,   1073.0,   0.0);
     (464087.3, 3810027.3,   1054.0,   1061.0,   0.0);   (464125.3,
3810027.3,   1056.6,   1061.0,   0.0);
     (464163.3, 3810027.3,   1059.7,   1059.7,   0.0);   (464201.3,
3810027.3,   1062.3,   1062.3,   0.0);
     (464239.3, 3810027.3,   1063.9,   1063.9,   0.0);   (464277.3,
3810027.3,   1065.6,   1065.6,   0.0);
     (464315.3, 3810027.3,   1066.6,   1066.6,   0.0);   (464353.3,
3810027.3,   1067.0,   1067.0,   0.0);
     (464391.3, 3810027.3,   1067.0,   1067.0,   0.0);   (464429.3,
3810027.3,   1067.0,   1067.0,   0.0);
     (464467.3, 3810027.3,   1066.7,   1066.7,   0.0);   (464505.3,
3810027.3,   1065.9,   1065.9,   0.0);
     (463745.3, 3810056.3,   1065.1,   1073.0,   0.0);   (463783.3,

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3810056.3,    1059.2,    1073.0,       0.0);
     ( 463821.3, 3810056.3,    1054.8,    1073.0,       0.0);         ( 463859.3,
3810056.3,    1052.5,    1073.0,       0.0);
     ( 463897.3, 3810056.3,    1051.1,    1073.0,       0.0);         ( 463935.3,
3810056.3,    1050.0,    1071.0,       0.0);
     ( 463973.3, 3810056.3,    1050.3,    1050.3,       0.0);         ( 464011.3,
3810056.3,    1050.6,    1050.6,       0.0);
     ( 464049.3, 3810056.3,    1051.3,    1051.3,       0.0);         ( 464087.3,
3810056.3,    1052.6,    1052.6,       0.0);
     ( 464125.3, 3810056.3,    1054.5,    1063.0,       0.0);         ( 464163.3,
3810056.3,    1057.6,    1059.0,       0.0);
     ( 464201.3, 3810056.3,    1060.4,    1060.4,       0.0);         ( 464239.3,
3810056.3,    1062.6,    1062.6,       0.0);
     ( 464277.3, 3810056.3,    1064.1,    1064.1,       0.0);         ( 464315.3,
3810056.3,    1065.5,    1065.5,       0.0);
     ( 464353.3, 3810056.3,    1066.7,    1066.7,       0.0);         ( 464391.3,
3810056.3,    1067.0,    1067.0,       0.0);
     ( 464429.3, 3810056.3,    1066.8,    1066.8,       0.0);         ( 464467.3,
3810056.3,    1066.1,    1066.1,       0.0);
     ( 464505.3, 3810056.3,    1065.5,    1065.5,       0.0);         ( 463745.3,
3810085.4,    1068.3,    1068.3,       0.0);
     ( 463783.3, 3810085.4,    1061.8,    1073.0,       0.0);         ( 463821.3,
3810085.4,    1056.5,    1073.0,       0.0);
     ( 463859.3, 3810085.4,    1053.3,    1073.0,       0.0);         ( 463897.3,
3810085.4,    1051.4,    1073.0,       0.0);
     ( 463935.3, 3810085.4,    1050.3,    1071.0,       0.0);         ( 463973.3,
3810085.4,    1050.0,    1050.0,       0.0);
     ( 464011.3, 3810085.4,    1049.8,    1049.8,       0.0);         ( 464049.3,
3810085.4,    1049.7,    1049.7,       0.0);
     ( 464087.3, 3810085.4,    1051.1,    1051.1,       0.0);         ( 464125.3,
3810085.4,    1052.9,    1059.0,       0.0);
     ( 464163.3, 3810085.4,    1055.5,    1061.0,       0.0);         ( 464201.3,
3810085.4,    1058.2,    1058.2,       0.0);
     ( 464239.3, 3810085.4,    1060.8,    1060.8,       0.0);         ( 464277.3,
3810085.4,    1062.7,    1062.7,       0.0);
     ( 464315.3, 3810085.4,    1064.2,    1064.2,       0.0);         ( 464353.3,
3810085.4,    1065.5,    1065.5,       0.0);
     ( 464391.3, 3810085.4,    1066.2,    1066.2,       0.0);         ( 464429.3,
3810085.4,    1065.9,    1065.9,       0.0);
     ( 464467.3, 3810085.4,    1065.4,    1065.4,       0.0);         ( 464505.3,
3810085.4,    1064.7,    1064.7,       0.0);
     ( 463745.3, 3810114.4,    1070.4,    1070.4,       0.0);         ( 463783.3,
3810114.4,    1064.9,    1072.0,       0.0);
     ( 463821.3, 3810114.4,    1058.8,    1073.0,       0.0);         ( 463859.3,
3810114.4,    1055.5,    1073.0,       0.0);
     ( 463897.3, 3810114.4,    1052.5,    1072.0,       0.0);         ( 463935.3,
3810114.4,    1050.8,    1071.0,       0.0);
     ( 463973.3, 3810114.4,    1049.7,    1068.0,       0.0);         ( 464011.3,
3810114.4,    1049.2,    1049.2,       0.0);
     ( 464049.3, 3810114.4,    1048.7,    1048.7,       0.0);         ( 464087.3,
```

3810114.4,   1049.7,   1049.7,   0.0);
     (464125.3, 3810114.4,   1050.9,   1057.0,   0.0);   (464163.3,
3810114.4,   1053.0,   1063.0,   0.0);
     (464201.3, 3810114.4,   1055.5,   1063.0,   0.0);   (464239.3,
3810114.4,   1058.9,   1058.9,   0.0);
     (464277.3, 3810114.4,   1061.2,   1061.2,   0.0);   (464315.3,
3810114.4,   1062.3,   1062.3,   0.0);
     (464353.3, 3810114.4,   1063.2,   1063.2,   0.0);   (464391.3,
3810114.4,   1063.7,   1063.7,   0.0);
     (464429.3, 3810114.4,   1064.3,   1064.3,   0.0);   (464467.3,
3810114.4,   1063.8,   1063.8,   0.0);
     (464505.3, 3810114.4,   1063.8,   1063.8,   0.0);   (463745.3,
3810143.5,   1071.2,   1071.2,   0.0);
     (463783.3, 3810143.5,   1066.8,   1071.0,   0.0);   (463821.3,
3810143.5,   1062.4,   1071.0,   0.0);
     (463859.3, 3810143.5,   1058.3,   1071.0,   0.0);   (463897.3,
3810143.5,   1053.6,   1072.0,   0.0);
     (463935.3, 3810143.5,   1050.8,   1071.0,   0.0);   (463973.3,
3810143.5,   1048.9,   1069.0,   0.0);
     (464011.3, 3810143.5,   1048.8,   1068.0,   0.0);   (464049.3,
3810143.5,   1048.0,   1067.0,   0.0);
     (464087.3, 3810143.5,   1048.0,   1048.0,   0.0);   (464125.3,
3810143.5,   1049.1,   1049.1,   0.0);
     (464163.3, 3810143.5,   1051.0,   1063.0,   0.0);   (464201.3,
3810143.5,   1053.3,   1061.0,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (464239.3, 3810143.5,   1056.2,   1061.0,   0.0);   (464277.3,
3810143.5,   1059.4,   1061.0,   0.0);
     (464315.3, 3810143.5,   1060.7,   1060.7,   0.0);   (464353.3,
3810143.5,   1060.9,   1060.9,   0.0);
     (464391.3, 3810143.5,   1061.8,   1061.8,   0.0);   (464429.3,
3810143.5,   1062.2,   1062.2,   0.0);
     (464467.3, 3810143.5,   1062.7,   1062.7,   0.0);   (464505.3,
3810143.5,   1062.9,   1062.9,   0.0);
     (464383.8, 3807479.3,   1110.0,   1110.0,   0.0);   (464355.0,
3807405.2,   1111.0,   1111.0,   0.0);
     (464402.1, 3807352.1,   1111.8,   1111.8,   0.0);   (464367.2,
3807296.3,   1112.6,   1112.6,   0.0);
     (464358.5, 3807238.0,   1114.7,   1114.7,   0.0);   (464385.5,

3807161.3,   1114.8,   1114.8,   0.0);
     (464944.3, 3809244.9,   1073.1,   1073.1,   0.0);   (465700.3,
3809255.5,   1068.0,   1068.0,   0.0);
     (465716.2, 3808536.5,   1077.1,   1077.1,   0.0);   (465544.4,
3808533.8,   1078.4,   1078.4,   0.0);
     (465420.1, 3808486.3,   1079.0,   1079.0,   0.0);   (465348.8,
3808491.6,   1077.9,   1077.9,   0.0);
     (465317.0, 3808444.0,   1079.4,   1079.4,   0.0);   (465327.6,
3808407.0,   1080.9,   1080.9,   0.0);
     (465108.2, 3808370.0,   1085.1,   1085.1,   0.0);   (464999.9,
3808301.2,   1086.3,   1086.3,   0.0);
     (464722.3, 3807973.5,   1093.9,   1100.0,   0.0);   (464717.0,
3807836.0,   1100.5,   1100.5,   0.0);
     (464344.3, 3807936.5,   1104.0,   1104.0,   0.0);   (464349.6,
3807780.5,   1095.5,   1105.0,   0.0);
     (464386.6, 3807785.8,   1094.8,   1104.0,   0.0);   (464521.4,
3807859.8,   1092.2,   1092.2,   0.0);
     (464537.3, 3807719.7,   1103.6,   1103.6,   0.0);   (464426.3,
3807614.0,   1106.2,   1106.2,   0.0);
     (464368.4, 3807532.6,   1107.9,   1110.0,   0.0);   (464324.6,
3807121.9,   1115.9,   1115.9,   0.0);
     (464123.3, 3807123.5,   1114.4,   1114.4,   0.0);   (463930.1,
3806909.3,   1122.6,   1122.6,   0.0);
     (463831.1, 3806906.0,   1120.4,   1122.0,   0.0);   (463821.4,
3806720.9,   1127.5,   1127.5,   0.0);
     (463727.2, 3806727.4,   1126.7,   1126.7,   0.0);   (463599.0,
3806334.6,   1135.6,   1135.6,   0.0);
     (463001.1, 3806361.5,   1143.0,   1143.0,   0.0);

                                                *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                                  (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\I15 Industrial Park8.16.21\723825\723825R.SFC
Met Version: 14134
Profile file: ..\I15 Industrial Park8.16.21\723825\723825R.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23131 Upper air station no.: 3160
Name: UNKNOWN Name: DESERT_ROCK

Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	02	2	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
09	01	02	2	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40						

```
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 03 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 04 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 06 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 07  -25.6  0.245 -9.000 -9.000 -999.  291.     46.9  0.28   1.40
1.00    2.86  149.   10.0  275.1    2.0
 09 01 02   2 08    1.5 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.54  999.00  999.   -9.0  279.6    2.0
 09 01 02   2 09   28.7  0.290  0.429  0.012   89.  375.    -69.3  0.27   1.40
0.32    2.36  210.   10.0  284.1    2.0
 09 01 02   2 10 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.24  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 11 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.21  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 12 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.20  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 13  141.6 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.21    0.00    0.   10.0  292.1    2.0
 09 01 02   2 14 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.22  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 15 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.25  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 16 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.35  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 17 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.63  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 18 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 09 01 02 01   10.0 1 -999.  -99.00  -999.0   99.0  -99.00  -99.00
```

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
462160.55	3809377.75	0.22446	462051.48	3809270.62	0.19643
462014.47	3809029.10	0.13634	462010.58	3808855.75	0.08571
461936.56	3808886.92	0.08101	461936.56	3808997.94	0.10386
461909.30	3808768.10	0.06347	461835.28	3808894.71	0.07146
461845.02	3808995.99	0.08746	461833.33	3809114.80	0.11735
461843.07	3809210.24	0.14143	461809.96	3809297.89	0.15101
461856.71	3809385.54	0.16678	461841.13	3809482.92	0.16735
462004.74	3809379.69	0.19168	461763.22	3808793.43	0.05378
461753.48	3808699.93	0.05159	461835.28	3808686.30	0.05241
461823.60	3808579.17	0.04545	461761.27		

3808585.02 0.04282
462301.19 3807807.15 0.06094 462304.78
3807868.16 0.05990
462216.84 3807882.52 0.05218 462116.34
3807886.11 0.04563
462114.55 3807789.20 0.04460 462012.25
3807887.90 0.04035
462008.66 3807975.84 0.04371 461917.14
3807972.25 0.03958
461922.52 3808187.60 0.05035 461908.17
3808288.10 0.05100
461848.94 3808377.83 0.04777 461831.00
3808494.48 0.04579
462421.43 3808393.98 0.10329 462459.11
3808501.66 0.11223
462437.58 3808580.62 0.11527 462654.73
3809189.00 0.40459
462559.49 3809194.32 0.35279 465763.86
3807935.19 0.18414
465819.84 3807935.19 0.17617 465875.82
3807935.19 0.16871
465931.80 3807935.19 0.16178 465987.78
3807935.19 0.15527
466043.76 3807935.19 0.14918 466099.74
3807935.19 0.14346
466155.72 3807935.19 0.13808 466211.70
3807935.19 0.13301
466267.68 3807935.19 0.12824 466323.66
3807935.19 0.12366
466379.64 3807935.19 0.11943 466435.62
3807935.19 0.11542
466491.60 3807935.19 0.11163 466547.58
3807935.19 0.10784
466603.56 3807935.19 0.10439 466659.54
3807935.19 0.10112
466715.52 3807935.19 0.09801 466771.50
3807935.19 0.09504
466827.48 3807935.19 0.09213 466883.46
3807935.19 0.08942
465763.86 3808001.41 0.19221 465819.84
3808001.41 0.18377
465875.82 3808001.41 0.17586 465931.80
3808001.41 0.16849
465987.78 3808001.41 0.16172 466043.76
3808001.41 0.15514
466099.74 3808001.41 0.14929 466155.72
3808001.41 0.14361
466211.70 3808001.41 0.13829 466267.68
3808001.41 0.13324
466323.66 3808001.41 0.12846 466379.64

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465819.84   3808067.63   0.19226   465875.82
3808067.63   0.18387
         465931.80   3808067.63   0.17604   465987.78
3808067.63   0.16872
         466043.76   3808067.63   0.16188   466099.74
3808067.63   0.15547
         466155.72   3808067.63   0.14946   466211.70
3808067.63   0.14378
         466267.68   3808067.63   0.13844   466323.66
3808067.63   0.13338

```
         466379.64    3808067.63        0.12860                    466435.62
3808067.63        0.12421
         466491.60    3808067.63        0.11981                    466547.58
3808067.63        0.11576
         466603.56    3808067.63        0.11192                    466659.54
3808067.63        0.10829
         466715.52    3808067.63        0.10486                    466771.50
3808067.63        0.10160
         466827.48    3808067.63        0.09841                    466883.46
3808067.63        0.09533
         465763.86    3808133.85        0.21132                    465819.84
3808133.85        0.20156
         465875.82    3808133.85        0.19252                    465931.80
3808133.85        0.18410
         465987.78    3808133.85        0.17649                    466043.76
3808133.85        0.16911
         466099.74    3808133.85        0.16221                    466155.72
3808133.85        0.15574
         466211.70    3808133.85        0.14966                    466267.68
3808133.85        0.14396
         466323.66    3808133.85        0.13861                    466379.64
3808133.85        0.13359
         466435.62    3808133.85        0.12884                    466491.60
3808133.85        0.12434
         466547.58    3808133.85        0.12004                    466603.56
3808133.85        0.11600
         466659.54    3808133.85        0.11218                    466715.52
3808133.85        0.10853
         466771.50    3808133.85        0.10493                    466827.48
3808133.85        0.10167
         466883.46    3808133.85        0.09853                    465763.86
3808200.07        0.22199
         465819.84    3808200.07        0.21145                    465875.82
3808200.07        0.20168
         465931.80    3808200.07        0.19285                    465987.78
3808200.07        0.18438
         466043.76    3808200.07        0.17649                    466099.74
3808200.07        0.16911
         466155.72    3808200.07        0.16220                    466211.70
3808200.07        0.15573
         466267.68    3808200.07        0.14965                    466323.66
3808200.07        0.14413
         466379.64    3808200.07        0.13874                    466435.62
3808200.07        0.13367
         466491.60    3808200.07        0.12887                    466547.58
3808200.07        0.12435
         466603.56    3808200.07        0.12007                    466659.54
3808200.07        0.11601
         466715.52    3808200.07        0.11218                    466771.50
3808200.07        0.10849
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         466827.48    3808200.07        0.10495                        466883.46
3808200.07        0.10166
         465763.86    3808266.29        0.23267                        465819.84
3808266.29        0.22164
         465875.82    3808266.29        0.21130                        465931.80
3808266.29        0.20152
         465987.78    3808266.29        0.19244                        466043.76
3808266.29        0.18399
         466099.74    3808266.29        0.17611                        466155.72
3808266.29        0.16874
         466211.70    3808266.29        0.16187                        466267.68
3808266.29        0.15552
         466323.66    3808266.29        0.14945                        466379.64
3808266.29        0.14391
         466435.62    3808266.29        0.13856                        466491.60
3808266.29        0.13341
         466547.58    3808266.29        0.12860                        466603.56
3808266.29        0.12406
         466659.54    3808266.29        0.11987                        466715.52
3808266.29        0.11575
♠ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                 PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         466771.50    3808266.29        0.11193                        466827.48
```

3808266.29 0.10824
466883.46 3808266.29 0.10478 465763.86
3808332.51 0.24351
465819.84 3808332.51 0.23185 465875.82
3808332.51 0.22055
465931.80 3808332.51 0.21009 465987.78
3808332.51 0.20040
466043.76 3808332.51 0.19139 466099.74
3808332.51 0.18300
466155.72 3808332.51 0.17526 466211.70
3808332.51 0.16794
466267.68 3808332.51 0.16108 466323.66
3808332.51 0.15494
466379.64 3808332.51 0.14888 466435.62
3808332.51 0.14318
466491.60 3808332.51 0.13781 466547.58
3808332.51 0.13275
466603.56 3808332.51 0.12822 466659.54
3808332.51 0.12374
466715.52 3808332.51 0.11946 466771.50
3808332.51 0.11524
466827.48 3808332.51 0.11143 466883.46
3808332.51 0.10782
465763.86 3808398.73 0.25390 465819.84
3808398.73 0.24139
465875.82 3808398.73 0.22935 465931.80
3808398.73 0.21827
465987.78 3808398.73 0.20798 466043.76
3808398.73 0.19842
466099.74 3808398.73 0.18973 466155.72
3808398.73 0.18140
466211.70 3808398.73 0.17363 466267.68
3808398.73 0.16676
466323.66 3808398.73 0.15995 466379.64
3808398.73 0.15359
466435.62 3808398.73 0.14775 466491.60
3808398.73 0.14216
466547.58 3808398.73 0.13688 466603.56
3808398.73 0.13194
466659.54 3808398.73 0.12724 466715.52
3808398.73 0.12275
466771.50 3808398.73 0.11855 466827.48
3808398.73 0.11453
466883.46 3808398.73 0.11074 465763.86
3808464.95 0.26342
465819.84 3808464.95 0.25005 465875.82
3808464.95 0.23729
465931.80 3808464.95 0.22565 465987.78
3808464.95 0.21492
466043.76 3808464.95 0.20513 466099.74

3808464.95   0.19576
         466155.72   3808464.95   0.18704   466211.70
3808464.95   0.17892
         466267.68   3808464.95   0.17165   466323.66
3808464.95   0.16454
         466379.64   3808464.95   0.15806   466435.62
3808464.95   0.15184
         466491.60   3808464.95   0.14615   466547.58
3808464.95   0.14062
         466603.56   3808464.95   0.13542   466659.54
3808464.95   0.13051
         466715.52   3808464.95   0.12589   466771.50
3808464.95   0.12153
         466827.48   3808464.95   0.11740   466883.46
3808464.95   0.11348
         465763.86   3808531.17   0.27196   465819.84
3808531.17   0.25751
         465875.82   3808531.17   0.24423   465931.80
3808531.17   0.23199
         465987.78   3808531.17   0.22100   466043.76
3808531.17   0.21066
         466099.74   3808531.17   0.20108   466155.72
3808531.17   0.19203
         466211.70   3808531.17   0.18362   466267.68
3808531.17   0.17598
         466323.66   3808531.17   0.16880   466379.64
3808531.17   0.16195
         466435.62   3808531.17   0.15569   466491.60
3808531.17   0.14961

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466547.58	3808531.17	0.14391	466603.56	3808531.17	0.13853
466659.54	3808531.17	0.13347	466715.52	3808531.17	0.12871
466771.50	3808531.17	0.12417	466827.48	3808531.17	0.11996
466883.46	3808531.17	0.11593	465763.86	3808597.39	0.27844
465819.84	3808597.39	0.26409	465875.82	3808597.39	0.25033
465931.80	3808597.39	0.23731	465987.78	3808597.39	0.22597
466043.76	3808597.39	0.21555	466099.74	3808597.39	0.20555
466155.72	3808597.39	0.19633	466211.70	3808597.39	0.18776
466267.68	3808597.39	0.17967	466323.66	3808597.39	0.17238
466379.64	3808597.39	0.16549	466435.62	3808597.39	0.15886
466491.60	3808597.39	0.15273	466547.58	3808597.39	0.14692
466603.56	3808597.39	0.14138	466659.54	3808597.39	0.13617
466715.52	3808597.39	0.13127	466771.50	3808597.39	0.12663
466827.48	3808597.39	0.12225	466883.46	3808597.39	0.11820
465763.86	3808663.61	0.28319	465819.84	3808663.61	0.26875
465875.82	3808663.61	0.25485	465931.80	3808663.61	0.24204
465987.78	3808663.61	0.23023	466043.76	3808663.61	0.21927
466099.74	3808663.61	0.20927	466155.72	3808663.61	0.19977
466211.70	3808663.61	0.19090	466267.68	3808663.61	0.18265
466323.66	3808663.61	0.17533	466379.64	3808663.61	0.16810
466435.62	3808663.61	0.16168	466491.60	3808663.61	0.15530

```
         466547.58    3808663.61        0.14929                      466603.56
3808663.61        0.14364
         466659.54    3808663.61        0.13831                      466715.52
3808663.61        0.13332
         466771.50    3808663.61        0.12861                      466827.48
3808663.61        0.12432
         466883.46    3808663.61        0.12007                      465763.86
3808729.83        0.28706
         465819.84    3808729.83        0.27266                      465875.82
3808729.83        0.25862
         465931.80    3808729.83        0.24549                      465987.78
3808729.83        0.23339
         466043.76    3808729.83        0.22224                      466099.74
3808729.83        0.21189
         466155.72    3808729.83        0.20228                      466211.70
3808729.83        0.19330
         466267.68    3808729.83        0.18497                      466323.66
3808729.83        0.17755
         466379.64    3808729.83        0.17039                      466435.62
3808729.83        0.16355
         466491.60    3808729.83        0.15730                      466547.58
3808729.83        0.15121
         466603.56    3808729.83        0.14549                      466659.54
3808729.83        0.14040
         466715.52    3808729.83        0.13529                      466771.50
3808729.83        0.13050
         466827.48    3808729.83        0.12604                      466883.46
3808729.83        0.12175
         465763.86    3808796.05        0.28841                      465819.84
3808796.05        0.27484
         465875.82    3808796.05        0.26031                      465931.80
3808796.05        0.24740
         465987.78    3808796.05        0.23535                      466043.76
3808796.05        0.22424
         466099.74    3808796.05        0.21391                      466155.72
3808796.05        0.20430
         466211.70    3808796.05        0.19534                      466267.68
3808796.05        0.18695
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        13:53:49

                                  PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
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```
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         466323.66    3808796.05        0.17923                       466379.64
3808796.05        0.17195
         466435.62    3808796.05        0.16529                       466491.60
3808796.05        0.15878
         466547.58    3808796.05        0.15270                       466603.56
3808796.05        0.14715
         466659.54    3808796.05        0.14173                       466715.52
3808796.05        0.13669
         466771.50    3808796.05        0.13188                       466827.48
3808796.05        0.12730
         466883.46    3808796.05        0.12311                       465763.86
3808862.27        0.28731
         465819.84    3808862.27        0.27363                       465875.82
3808862.27        0.26065
         465931.80    3808862.27        0.24788                       465987.78
3808862.27        0.23600
         466043.76    3808862.27        0.22496                       466099.74
3808862.27        0.21491
         466155.72    3808862.27        0.20512                       466211.70
3808862.27        0.19619
         466267.68    3808862.27        0.18810                       466323.66
3808862.27        0.18028
         466379.64    3808862.27        0.17308                       466435.62
3808862.27        0.16627
         466491.60    3808862.27        0.15987                       466547.58
3808862.27        0.15387
         466603.56    3808862.27        0.14810                       466659.54
3808862.27        0.14286
         466715.52    3808862.27        0.13771                       466771.50
3808862.27        0.13290
         466827.48    3808862.27        0.12840                       466883.46
3808862.27        0.12410
         465763.86    3808928.49        0.28381                       465819.84
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3808928.49        0.27053
         465875.82    3808928.49        0.25848                      465931.80
3808928.49        0.24679
         465987.78    3808928.49        0.23571                      466043.76
3808928.49        0.22540
         466099.74    3808928.49        0.21499                      466155.72
3808928.49        0.20557
         466211.70    3808928.49        0.19676                      466267.68
3808928.49        0.18848
         466323.66    3808928.49        0.18069                      466379.64
3808928.49        0.17339
         466435.62    3808928.49        0.16675                      466491.60
3808928.49        0.16044
         466547.58    3808928.49        0.15440                      466603.56
3808928.49        0.14892
         466659.54    3808928.49        0.14349                      466715.52
3808928.49        0.13846
         466771.50    3808928.49        0.13361                      466827.48
3808928.49        0.12916
         466883.46    3808928.49        0.12481                      465763.86
3808994.71        0.28189
         465819.84    3808994.71        0.26804                      465875.82
3808994.71        0.25590
         465931.80    3808994.71        0.24508                      465987.78
3808994.71        0.23504
         466043.76    3808994.71        0.22462                      466099.74
3808994.71        0.21461
         466155.72    3808994.71        0.20512                      466211.70
3808994.71        0.19648
         466267.68    3808994.71        0.18835                      466323.66
3808994.71        0.18071
         466379.64    3808994.71        0.17353                      466435.62
3808994.71        0.16678
         466491.60    3808994.71        0.16059                      466547.58
3808994.71        0.15484
         466603.56    3808994.71        0.14921                      466659.54
3808994.71        0.14381
         466715.52    3808994.71        0.13902                      466771.50
3808994.71        0.13415
         466827.48    3808994.71        0.12955                      466883.46
3808994.71        0.12534
         465763.86    3809060.93        0.27957                      465819.84
3809060.93        0.26616
         465875.82    3809060.93        0.25422                      465931.80
3809060.93        0.24318
         465987.78    3809060.93        0.23284                      466043.76
3809060.93        0.22308
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466099.74	3809060.93	0.21308	466155.72	3809060.93	0.20412
466211.70	3809060.93	0.19556	466267.68	3809060.93	0.18764
466323.66	3809060.93	0.18015	466379.64	3809060.93	0.17310
466435.62	3809060.93	0.16670	466491.60	3809060.93	0.16059
466547.58	3809060.93	0.15464	466603.56	3809060.93	0.14913
466659.54	3809060.93	0.14409	466715.52	3809060.93	0.13901
466771.50	3809060.93	0.13423	466827.48	3809060.93	0.12977
466883.46	3809060.93	0.12558	465763.86	3809127.15	0.27712
465819.84	3809127.15	0.26437	465875.82	3809127.15	0.25266
465931.80	3809127.15	0.24147	465987.78	3809127.15	0.23101
466043.76	3809127.15	0.22050	466099.74	3809127.15	0.21071
466155.72	3809127.15	0.20187	466211.70	3809127.15	0.19435

466267.68 3809127.15 0.18685 466323.66
3809127.15 0.17962
466379.64 3809127.15 0.17262 466435.62
3809127.15 0.16617
466491.60 3809127.15 0.16007 466547.58
3809127.15 0.15434
466603.56 3809127.15 0.14898 466659.54
3809127.15 0.14371
466715.52 3809127.15 0.13883 466771.50
3809127.15 0.13416
466827.48 3809127.15 0.12968 466883.46
3809127.15 0.12556
465763.86 3809193.37 0.27288 465819.84
3809193.37 0.26130
465875.82 3809193.37 0.24992 465931.80
3809193.37 0.23900
465987.78 3809193.37 0.22807 466043.76
3809193.37 0.21689
466099.74 3809193.37 0.20824 466155.72
3809193.37 0.19978
466211.70 3809193.37 0.19230 466267.68
3809193.37 0.18523
466323.66 3809193.37 0.17836 466379.64
3809193.37 0.17179
466435.62 3809193.37 0.16537 466491.60
3809193.37 0.15939
466547.58 3809193.37 0.15373 466603.56
3809193.37 0.14849
466659.54 3809193.37 0.14331 466715.52
3809193.37 0.13855
466771.50 3809193.37 0.13388 466827.48
3809193.37 0.12955
466883.46 3809193.37 0.12537 465763.86
3809259.59 0.26715
465819.84 3809259.59 0.25611 465875.82
3809259.59 0.24521
465931.80 3809259.59 0.23491 465987.78
3809259.59 0.22436
466043.76 3809259.59 0.21444 466099.74
3809259.59 0.20536
466155.72 3809259.59 0.19776 466211.70
3809259.59 0.19054
466267.68 3809259.59 0.18370 466323.66
3809259.59 0.17671
466379.64 3809259.59 0.17029 466435.62
3809259.59 0.16423
466491.60 3809259.59 0.15832 466547.58
3809259.59 0.15295
466603.56 3809259.59 0.14765 466659.54
3809259.59 0.14263

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464543.41   3807141.91   0.16297   464563.41
3807141.91   0.16045
         464583.41   3807141.91   0.15979   464603.41
3807141.91   0.15772
         464623.41   3807141.91   0.15514   464643.41
3807141.91   0.15369
         464663.41   3807141.91   0.15118   464683.41
3807141.91   0.14832
         464703.41   3807141.91   0.14680   464723.41
3807141.91   0.14381
         464743.41   3807141.91   0.14009   464763.41
3807141.91   0.13687
         464783.41   3807141.91   0.13331   464803.41
3807141.91   0.12998
         464823.41   3807141.91   0.12889   464843.41

3807141.91 0.12624
464863.41 3807141.91 0.12287 464883.41
3807141.91 0.12021
464903.41 3807141.91 0.11926 464923.41
3807141.91 0.11888
464503.41 3807161.91 0.16821 464523.41
3807161.91 0.16778
464543.41 3807161.91 0.16560 464563.41
3807161.91 0.16290
464583.41 3807161.91 0.16211 464603.41
3807161.91 0.16102
464623.41 3807161.91 0.15942 464643.41
3807161.91 0.15614
464663.41 3807161.91 0.15412 464683.41
3807161.91 0.15240
464703.41 3807161.91 0.14893 464723.41
3807161.91 0.14514
464743.41 3807161.91 0.14166 464763.41
3807161.91 0.14054
464783.41 3807161.91 0.13758 464803.41
3807161.91 0.13387
464823.41 3807161.91 0.13061 464843.41
3807161.91 0.12714
464863.41 3807161.91 0.12417 464883.41
3807161.91 0.12409
464903.41 3807161.91 0.12237 464923.41
3807161.91 0.12035
464503.41 3807181.91 0.17290 464523.41
3807181.91 0.17104
464543.41 3807181.91 0.16914 464563.41
3807181.91 0.16712
464583.41 3807181.91 0.16489 464603.41
3807181.91 0.16344
464623.41 3807181.91 0.16195 464643.41
3807181.91 0.15812
464663.41 3807181.91 0.15610 464683.41
3807181.91 0.15457
464703.41 3807181.91 0.15053 464723.41
3807181.91 0.14760
464743.41 3807181.91 0.14523 464763.41
3807181.91 0.14287
464783.41 3807181.91 0.13944 464803.41
3807181.91 0.13588
464823.41 3807181.91 0.13407 464843.41
3807181.91 0.13111
464863.41 3807181.91 0.12786 464883.41
3807181.91 0.12643
464903.41 3807181.91 0.12563 464923.41
3807181.91 0.12507
464503.41 3807201.91 0.17755 464523.41

```
3807201.91        0.17427
         464543.41    3807201.91        0.17263                        464563.41
3807201.91        0.17136
         464583.41    3807201.91        0.16821                        464603.41
3807201.91        0.16607
         464623.41    3807201.91        0.16408                        464643.41
3807201.91        0.16061
         464663.41    3807201.91        0.15831                        464683.41
3807201.91        0.15629
         464703.41    3807201.91        0.15272                        464723.41
3807201.91        0.15058
         464743.41    3807201.91        0.14877                        464763.41
3807201.91        0.14464
         464783.41    3807201.91        0.14109                        464803.41
3807201.91        0.13828
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       13:53:49

                                  PAGE  58
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         464823.41    3807201.91        0.13767                        464843.41
3807201.91        0.13570
         464863.41    3807201.91        0.13315                        464883.41
3807201.91        0.12973
         464903.41    3807201.91        0.12920                        464923.41
3807201.91        0.13100
```

464503.41 3807221.91 0.18062 464523.41 3807221.91 0.17713
464543.41 3807221.91 0.17533 464563.41 3807221.91 0.17424
464583.41 3807221.91 0.17280 464603.41 3807221.91 0.16985
464623.41 3807221.91 0.16646 464643.41 3807221.91 0.16490
464663.41 3807221.91 0.16180 464683.41 3807221.91 0.15830
464703.41 3807221.91 0.15697 464723.41 3807221.91 0.15402
464743.41 3807221.91 0.15012 464763.41 3807221.91 0.14588
464783.41 3807221.91 0.14405 464803.41 3807221.91 0.14313
464823.41 3807221.91 0.13983 464843.41 3807221.91 0.13925
464863.41 3807221.91 0.13960 464883.41 3807221.91 0.13616
464903.41 3807221.91 0.13368 464923.41 3807221.91 0.13321
464503.41 3807241.91 0.18397 464523.41 3807241.91 0.18172
464543.41 3807241.91 0.17925 464563.41 3807241.91 0.17683
464583.41 3807241.91 0.17565 464603.41 3807241.91 0.17239
464623.41 3807241.91 0.16853 464643.41 3807241.91 0.16730
464663.41 3807241.91 0.16516 464683.41 3807241.91 0.16248
464703.41 3807241.91 0.15978 464723.41 3807241.91 0.15589
464743.41 3807241.91 0.15183 464763.41 3807241.91 0.14965
464783.41 3807241.91 0.14756 464803.41 3807241.91 0.14564
464823.41 3807241.91 0.14447 464843.41 3807241.91 0.14370
464863.41 3807241.91 0.14351 464883.41 3807241.91 0.14003
464903.41 3807241.91 0.14251 464923.41 3807241.91 0.14317
464503.41 3807261.91 0.18731 464523.41 3807261.91 0.18627
464543.41 3807261.91 0.18313 464563.41 3807261.91 0.17937
464583.41 3807261.91 0.17805 464603.41 3807261.91 0.17503

```
         464623.41    3807261.91        0.17141                        464643.41
3807261.91        0.16942
         464663.41    3807261.91        0.16813                        464683.41
3807261.91        0.16664
         464703.41    3807261.91        0.16198                        464723.41
3807261.91        0.15793
         464743.41    3807261.91        0.15465                        464763.41
3807261.91        0.15374
         464783.41    3807261.91        0.15135                        464803.41
3807261.91        0.14896
         464823.41    3807261.91        0.14958                        464843.41
3807261.91        0.14969
         464863.41    3807261.91        0.14960                        464883.41
3807261.91        0.14606
         464903.41    3807261.91        0.14859                        464923.41
3807261.91        0.15896
         464503.41    3807281.91        0.19045                        464523.41
3807281.91        0.18926
         464543.41    3807281.91        0.18590                        464563.41
3807281.91        0.18191
         464583.41    3807281.91        0.18045                        464603.41
3807281.91        0.17874
         464623.41    3807281.91        0.17650                        464643.41
3807281.91        0.17214
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       13:53:49

                                PAGE  59
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                             *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                   L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                   L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
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```
Y-COORD (M)        CONC
 - - -
```

3807321.91 0.16585
  464743.41 3807321.91 0.16517 464763.41
3807321.91 0.16695
  464783.41 3807321.91 0.16600 464803.41
3807321.91 0.16185
  464823.41 3807321.91 0.15949 464843.41
3807321.91 0.16500
  464863.41 3807321.91 0.18101 464883.41
3807321.91 0.18462
  464903.41 3807321.91 0.18480 464923.41
3807321.91 0.18129
  464503.41 3807341.91 0.20444 464523.41
3807341.91 0.19936
  464543.41 3807341.91 0.19650 464563.41
3807341.91 0.19415
  464583.41 3807341.91 0.18875 464603.41
3807341.91 0.18580
  464623.41 3807341.91 0.18356 464643.41
3807341.91 0.17809
  464663.41 3807341.91 0.17548 464683.41
3807341.91 0.17451
  464703.41 3807341.91 0.17353 464723.41
3807341.91 0.17040
  464743.41 3807341.91 0.16693 464763.41
3807341.91 0.16882
  464783.41 3807341.91 0.16790 464803.41
3807341.91 0.16476
  464823.41 3807341.91 0.17172 464843.41
3807341.91 0.18766
  464863.41 3807341.91 0.19158 464883.41
3807341.91 0.18949
  464903.41 3807341.91 0.18735 464923.41
3807341.91 0.18665

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

  *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
  INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
  L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
  L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
  L0000022 , L0000023 , L0000024 , L0000025 , L0000026

, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464503.41	3807361.91	0.20809	464523.41	3807361.91	0.20461
464543.41	3807361.91	0.20093	464563.41	3807361.91	0.19680
464583.41	3807361.91	0.19114	464603.41	3807361.91	0.18804
464623.41	3807361.91	0.18607	464643.41	3807361.91	0.18267
464663.41	3807361.91	0.17931	464683.41	3807361.91	0.17645
464703.41	3807361.91	0.17621	464723.41	3807361.91	0.17517
464743.41	3807361.91	0.17345	464763.41	3807361.91	0.17220
464783.41	3807361.91	0.17683	464803.41	3807361.91	0.17758
464823.41	3807361.91	0.19455	464843.41	3807361.91	0.19677
464863.41	3807361.91	0.19800	464883.41	3807361.91	0.19390
464903.41	3807361.91	0.20438	464923.41	3807361.91	0.20506
464503.41	3807381.91	0.21274	464523.41	3807381.91	0.21008
464543.41	3807381.91	0.20533	464563.41	3807381.91	0.19957
464583.41	3807381.91	0.19441	464603.41	3807381.91	0.19096
464623.41	3807381.91	0.18856	464643.41	3807381.91	0.18732
464663.41	3807381.91	0.18384	464683.41	3807381.91	0.17974
464703.41	3807381.91	0.17851	464723.41	3807381.91	0.17938
464743.41	3807381.91	0.18169	464763.41	3807381.91	0.17874
464783.41	3807381.91	0.18361	464803.41	3807381.91	0.19176

```
         464823.41    3807381.91        0.20468                        464843.41
3807381.91        0.20517
         464863.41    3807381.91        0.20098                        464883.41
3807381.91        0.20192
         464903.41    3807381.91        0.21201                        464923.41
3807381.91        0.22591
         464503.41    3807401.91        0.21969                        464523.41
3807401.91        0.21420
         464543.41    3807401.91        0.20827                        464563.41
3807401.91        0.20272
         464583.41    3807401.91        0.20020                        464603.41
3807401.91        0.19566
         464623.41    3807401.91        0.19075                        464643.41
3807401.91        0.18948
         464663.41    3807401.91        0.18830                        464683.41
3807401.91        0.18663
         464703.41    3807401.91        0.18186                        464723.41
3807401.91        0.18153
         464743.41    3807401.91        0.18511                        464763.41
3807401.91        0.19239
         464783.41    3807401.91        0.19130                        464803.41
3807401.91        0.19439
         464823.41    3807401.91        0.20762                        464843.41
3807401.91        0.20815
         464863.41    3807401.91        0.20705                        464883.41
3807401.91        0.22129
         464903.41    3807401.91        0.22058                        464923.41
3807401.91        0.23243
         464503.41    3807421.91        0.22401                        464523.41
3807421.91        0.21764
         464543.41    3807421.91        0.21276                        464563.41
3807421.91        0.20854
         464583.41    3807421.91        0.20426                        464603.41
3807421.91        0.20024
         464623.41    3807421.91        0.19639                        464643.41
3807421.91        0.19262
         464663.41    3807421.91        0.19102                        464683.41
3807421.91        0.19049
         464703.41    3807421.91        0.18845                        464723.41
3807421.91        0.18692
         464743.41    3807421.91        0.18799                        464763.41
3807421.91        0.19635
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       13:53:49

                                  PAGE  61
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
```

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464783.41	3807421.91	0.20784	464803.41	3807421.91	0.21202
464823.41	3807421.91	0.21272	464843.41	3807421.91	0.22712
464863.41	3807421.91	0.22751	464883.41	3807421.91	0.22822
464903.41	3807421.91	0.25119	464923.41	3807421.91	0.25037
464503.41	3807441.91	0.22775	464523.41	3807441.91	0.22191
464543.41	3807441.91	0.21797	464563.41	3807441.91	0.21449
464583.41	3807441.91	0.20871	464603.41	3807441.91	0.20516
464623.41	3807441.91	0.20229	464643.41	3807441.91	0.19698
464663.41	3807441.91	0.19430	464683.41	3807441.91	0.19334
464703.41	3807441.91	0.19528	464723.41	3807441.91	0.19524
464743.41	3807441.91	0.19753	464763.41	3807441.91	0.19986
464783.41	3807441.91	0.21837	464803.41	3807441.91	0.22415
464823.41	3807441.91	0.21921	464843.41	3807441.91	0.23425
464863.41	3807441.91	0.24859	464883.41	3807441.91	0.24376
464903.41	3807441.91	0.25733	464923.41		

```
3807441.91        0.25921
         464503.41    3807461.91        0.23193                    464523.41
3807461.91        0.22904
         464543.41    3807461.91        0.22382                    464563.41
3807461.91        0.21805
         464583.41    3807461.91        0.21564                    464603.41
3807461.91        0.21082
         464623.41    3807461.91        0.20553                    464643.41
3807461.91        0.20415
         464663.41    3807461.91        0.20017                    464683.41
3807461.91        0.19584
         464703.41    3807461.91        0.19792                    464723.41
3807461.91        0.20681
         464743.41    3807461.91        0.20868                    464763.41
3807461.91        0.20548
         464783.41    3807461.91        0.22168                    464803.41
3807461.91        0.22764
         464823.41    3807461.91        0.22265                    464843.41
3807461.91        0.23800
         464863.41    3807461.91        0.25265                    464883.41
3807461.91        0.24774
         464903.41    3807461.91        0.26157                    464923.41
3807461.91        0.26348
         464503.41    3807481.91        0.23568                    464523.41
3807481.91        0.23330
         464543.41    3807481.91        0.22953                    464563.41
3807481.91        0.22498
         464583.41    3807481.91        0.22046                    464603.41
3807481.91        0.21637
         464623.41    3807481.91        0.21259                    464643.41
3807481.91        0.20897
         464663.41    3807481.91        0.20633                    464683.41
3807481.91        0.20407
         464703.41    3807481.91        0.20238                    464723.41
3807481.91        0.21088
         464743.41    3807481.91        0.21865                    464763.41
3807481.91        0.21322
         464783.41    3807481.91        0.22516                    464803.41
3807481.91        0.23128
         464823.41    3807481.91        0.22626                    464843.41
3807481.91        0.24190
         464863.41    3807481.91        0.26125                    464883.41
3807481.91        0.27092
         464903.41    3807481.91        0.26872                    464923.41
3807481.91        0.27071
         464503.41    3807501.91        0.24093                    464523.41
3807501.91        0.23849
         464543.41    3807501.91        0.23566                    464563.41
3807501.91        0.23212
         464583.41    3807501.91        0.22582                    464603.41
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464623.41	3807501.91	0.21993	464643.41	3807501.91	0.21443
464663.41	3807501.91	0.21305	464683.41	3807501.91	0.21436
464703.41	3807501.91	0.21062	464723.41	3807501.91	0.21604
464743.41	3807501.91	0.22268	464763.41	3807501.91	0.22100
464783.41	3807501.91	0.23064	464803.41	3807501.91	0.23528
464823.41	3807501.91	0.23611	464843.41	3807501.91	0.24755
464863.41	3807501.91	0.26791	464883.41	3807501.91	0.27949
464903.41	3807501.91	0.27754	464923.41	3807501.91	0.27937
464503.41	3807521.91	0.25028	464523.41	3807521.91	0.24808
464543.41	3807521.91	0.24263	464563.41	3807521.91	0.23632

```
        464583.41    3807521.91        0.23434                    464603.41
3807521.91        0.22942
        464623.41    3807521.91        0.22396                    464643.41
3807521.91        0.22469
        464663.41    3807521.91        0.22129                    464683.41
3807521.91        0.21897
        464703.41    3807521.91        0.22725                    464723.41
3807521.91        0.22569
        464743.41    3807521.91        0.22842                    464763.41
3807521.91        0.24239
        464783.41    3807521.91        0.24120                    464803.41
3807521.91        0.24293
        464823.41    3807521.91        0.25924                    464843.41
3807521.91        0.25809
        464863.41    3807521.91        0.27256                    464883.41
3807521.91        0.28433
        464903.41    3807521.91        0.28232                    464923.41
3807521.91        0.28414
        464503.41    3807541.91        0.25989                    464523.41
3807541.91        0.25447
        464543.41    3807541.91        0.24949                    464563.41
3807541.91        0.24481
        464583.41    3807541.91        0.24026                    464603.41
3807541.91        0.23677
        464623.41    3807541.91        0.23368                    464643.41
3807541.91        0.23121
        464663.41    3807541.91        0.23635                    464683.41
3807541.91        0.23571
        464703.41    3807541.91        0.23482                    464723.41
3807541.91        0.24576
        464743.41    3807541.91        0.25028                    464763.41
3807541.91        0.25081
        464783.41    3807541.91        0.24874                    464803.41
3807541.91        0.24728
        464823.41    3807541.91        0.26522                    464843.41
3807541.91        0.29451
        464863.41    3807541.91        0.29310                    464883.41
3807541.91        0.29004
        464903.41    3807541.91        0.29905                    464923.41
3807541.91        0.29545
        464503.41    3807561.91        0.26874                    464523.41
3807561.91        0.26122
        464543.41    3807561.91        0.25693                    464563.41
3807561.91        0.25363
        464583.41    3807561.91        0.24689                    464603.41
3807561.91        0.24476
        464623.41    3807561.91        0.24562                    464643.41
3807561.91        0.24080
        464663.41    3807561.91        0.24625                    464683.41
3807561.91        0.25308
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3807581.91 0.25986
464703.41 3807581.91 0.27490 464723.41 3807581.91 0.27296
464743.41 3807581.91 0.27000 464763.41 3807581.91 0.26375
464783.41 3807581.91 0.28006 464803.41 3807581.91 0.28355
464823.41 3807581.91 0.27862 464843.41 3807581.91 0.30776
464863.41 3807581.91 0.30949 464883.41 3807581.91 0.30338
464903.41 3807581.91 0.31084 464923.41 3807581.91 0.31105
464503.41 3807601.91 0.28556 464523.41 3807601.91 0.28477
464543.41 3807601.91 0.27877 464563.41 3807601.91 0.27031
464583.41 3807601.91 0.26684 464603.41 3807601.91 0.27193
464623.41 3807601.91 0.27049 464643.41 3807601.91 0.26878
464663.41 3807601.91 0.28042 464683.41 3807601.91 0.28479
464703.41 3807601.91 0.28471 464723.41 3807601.91 0.28174
464743.41 3807601.91 0.27794 464763.41 3807601.91 0.29196
464783.41 3807601.91 0.29170 464803.41 3807601.91 0.30910
464823.41 3807601.91 0.31990 464843.41 3807601.91 0.31674
464863.41 3807601.91 0.31853 464883.41 3807601.91 0.32270
464903.41 3807601.91 0.31765 464923.41 3807601.91 0.31655
464503.41 3807621.91 0.29974 464523.41 3807621.91 0.29816
464543.41 3807621.91 0.29366 464563.41 3807621.91 0.28442
464583.41 3807621.91 0.27823 464603.41 3807621.91 0.28360
464623.41 3807621.91 0.29054 464643.41 3807621.91 0.28699
464663.41 3807621.91 0.29775 464683.41 3807621.91 0.30198
464703.41 3807621.91 0.29432 464723.41 3807621.91 0.29156
464743.41 3807621.91 0.30145 464763.41 3807621.91 0.30572
464783.41 3807621.91 0.32347 464803.41

3807621.91   0.33114
         464823.41   3807621.91   0.33079   464843.41
3807621.91   0.33214
         464863.41   3807621.91   0.33428   464883.41
3807621.91   0.33052
         464903.41   3807621.91   0.32863   464923.41
3807621.91   0.32364
         464503.41   3807641.91   0.31580   464523.41
3807641.91   0.30665
         464543.41   3807641.91   0.29916   464563.41
3807641.91   0.29141
         464583.41   3807641.91   0.30036   464603.41
3807641.91   0.29679
         464623.41   3807641.91   0.29870   464643.41
3807641.91   0.31491
         464663.41   3807641.91   0.31193   464683.41
3807641.91   0.30781
         464703.41   3807641.91   0.30005   464723.41
3807641.91   0.31776

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

464783.41 3807641.91 0.34689 464803.41 3807641.91 0.34511
464823.41 3807641.91 0.33858 464843.41 3807641.91 0.34880
464863.41 3807641.91 0.34415 464883.41 3807641.91 0.33723
464903.41 3807641.91 0.33667 464923.41 3807641.91 0.33198
464503.41 3807661.91 0.34525 464523.41 3807661.91 0.33395
464543.41 3807661.91 0.32308 464563.41 3807661.91 0.31393
464583.41 3807661.91 0.31109 464603.41 3807661.91 0.32345
464623.41 3807661.91 0.32748 464643.41 3807661.91 0.32653
464663.41 3807661.91 0.34592 464683.41 3807661.91 0.34300
464703.41 3807661.91 0.33443 464723.41 3807661.91 0.33134
464743.41 3807661.91 0.35042 464763.41 3807661.91 0.36191
464783.41 3807661.91 0.35771 464803.41 3807661.91 0.35911
464823.41 3807661.91 0.36320 464843.41 3807661.91 0.35695
464863.41 3807661.91 0.35465 464883.41 3807661.91 0.34998
464903.41 3807661.91 0.34439 464923.41 3807661.91 0.33842
464503.41 3807681.91 0.38442 464523.41 3807681.91 0.37215
464543.41 3807681.91 0.36036 464563.41 3807681.91 0.34908
464583.41 3807681.91 0.33836 464603.41 3807681.91 0.34373
464623.41 3807681.91 0.34783 464643.41 3807681.91 0.34668
464663.41 3807681.91 0.36074 464683.41 3807681.91 0.38166
464703.41 3807681.91 0.38396 464723.41 3807681.91 0.37554
464743.41 3807681.91 0.37581 464763.41 3807681.91 0.37472
464783.41 3807681.91 0.37556 464803.41 3807681.91 0.37732
464823.41 3807681.91 0.37247 464843.41 3807681.91 0.36973
464863.41 3807681.91 0.36355 464883.41 3807681.91 0.35816

```
         464903.41    3807681.91        0.35175                        464923.41
3807681.91        0.34452
         464523.41    3807701.91        0.40543                        464543.41
3807701.91        0.39280
         464563.41    3807701.91        0.38073                        464583.41
3807701.91        0.36925
         464603.41    3807701.91        0.36053                        464623.41
3807701.91        0.36039
         464643.41    3807701.91        0.38142                        464663.41
3807701.91        0.37737
         464683.41    3807701.91        0.39475                        464703.41
3807701.91        0.40840
         464723.41    3807701.91        0.40160                        464743.41
3807701.91        0.39219
         464763.41    3807701.91        0.38405                        464783.41
3807701.91        0.39491
         464803.41    3807701.91        0.38897                        464823.41
3807701.91        0.38050
         464843.41    3807701.91        0.37925                        464863.41
3807701.91        0.37337
         464883.41    3807701.91        0.36540                        464903.41
3807701.91        0.35824
         464923.41    3807701.91        0.35078                        464543.41
3807721.91        0.43838
         464563.41    3807721.91        0.39631                        464583.41
3807721.91        0.38436
         464603.41    3807721.91        0.37306                        464623.41
3807721.91        0.36826
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                   PAGE  65
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464643.41	3807721.91	0.39167	464663.41	3807721.91	0.43183
464683.41	3807721.91	0.42731	464703.41	3807721.91	0.42054
464723.41	3807721.91	0.41424	464743.41	3807721.91	0.40867
464763.41	3807721.91	0.41253	464783.41	3807721.91	0.40469
464803.41	3807721.91	0.40136	464823.41	3807721.91	0.39540
464843.41	3807721.91	0.38843	464863.41	3807721.91	0.38106
464883.41	3807721.91	0.37284	464903.41	3807721.91	0.36486
464923.41	3807721.91	0.35710	464943.41	3807721.91	0.34956
464963.41	3807721.91	0.34221	464983.41	3807721.91	0.33506
465003.41	3807721.91	0.32810	465023.41	3807721.91	0.32132
465043.41	3807721.91	0.31472	465063.41	3807721.91	0.30828
465083.41	3807721.91	0.30202	465103.41	3807721.91	0.29594
465123.41	3807721.91	0.29010	465143.41	3807721.91	0.28435
465163.41	3807721.91	0.27873	465183.41	3807721.91	0.27335
465203.41	3807721.91	0.26806	465223.41	3807721.91	0.26286
465243.41	3807721.91	0.25780	465263.41	3807721.91	0.25287
465283.41	3807721.91	0.24809	465303.41	3807721.91	0.24352
465323.41	3807721.91	0.23899	465343.41	3807721.91	0.23457
465363.41	3807721.91	0.23036	465383.41	3807721.91	0.22619
464543.41	3807741.91	0.49845	464563.41	3807741.91	0.43794
464583.41	3807741.91	0.42119	464603.41	3807741.91	0.40001
464623.41	3807741.91	0.39865	464643.41		

```
3807741.91        0.40624
         464663.41    3807741.91        0.44756                        464683.41
3807741.91        0.44497
         464703.41    3807741.91        0.43382                        464723.41
3807741.91        0.42887
         464743.41    3807741.91        0.43001                        464763.41
3807741.91        0.42366
         464783.41    3807741.91        0.41976                        464803.41
3807741.91        0.41199
         464823.41    3807741.91        0.40518                        464843.41
3807741.91        0.39721
         464863.41    3807741.91        0.38836                        464883.41
3807741.91        0.37988
         464903.41    3807741.91        0.37158                        464923.41
3807741.91        0.36351
         464943.41    3807741.91        0.35569                        464963.41
3807741.91        0.34808
         464983.41    3807741.91        0.34070                        465003.41
3807741.91        0.33343
         465023.41    3807741.91        0.32642                        465043.41
3807741.91        0.31962
         465063.41    3807741.91        0.31292                        465083.41
3807741.91        0.30650
         465103.41    3807741.91        0.30030                        465123.41
3807741.91        0.29425
         465143.41    3807741.91        0.28827                        465163.41
3807741.91        0.28243
         465183.41    3807741.91        0.27686                        465203.41
3807741.91        0.27147
         465223.41    3807741.91        0.26622                        465243.41
3807741.91        0.26096
         465263.41    3807741.91        0.25596                        465283.41
3807741.91        0.25114
         465303.41    3807741.91        0.24642                        465323.41
3807741.91        0.24174
         465343.41    3807741.91        0.23716                        465363.41
3807741.91        0.23282
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        13:53:49

                                  PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
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, L0000011   , L0000012   , L0000013   ,
                L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465383.41   3807741.91   0.22862   464543.41
3807761.91   0.57603
         464563.41   3807761.91   0.52680   464583.41
3807761.91   0.48041
         464603.41   3807761.91   0.43633   464623.41
3807761.91   0.42710
         464643.41   3807761.91   0.47113   464663.41
3807761.91   0.46272
         464683.41   3807761.91   0.45493   464703.41
3807761.91   0.44339
         464723.41   3807761.91   0.45165   464743.41
3807761.91   0.44396
         464763.41   3807761.91   0.43342   464783.41
3807761.91   0.43118
         464803.41   3807761.91   0.42371   464823.41
3807761.91   0.41391
         464843.41   3807761.91   0.40497   464863.41
3807761.91   0.39579
         464883.41   3807761.91   0.38701   464903.41
3807761.91   0.37840
         464923.41   3807761.91   0.37004   464943.41
3807761.91   0.36194
         464963.41   3807761.91   0.35406   464983.41
3807761.91   0.34642
         465003.41   3807761.91   0.33891   465023.41
3807761.91   0.33158
         465043.41   3807761.91   0.32447   465063.41
3807761.91   0.31768
         465083.41   3807761.91   0.31111   465103.41
3807761.91   0.30470
         465123.41   3807761.91   0.29832   465143.41
3807761.91   0.29221
         465163.41   3807761.91   0.28631   465183.41
3807761.91   0.28043

```
         465203.41    3807761.91        0.27485                        465223.41
3807761.91        0.26949
         465243.41    3807761.91        0.26425                        465263.41
3807761.91        0.25919
         465283.41    3807761.91        0.25423                        465303.41
3807761.91        0.24925
         465323.41    3807761.91        0.24452                        465343.41
3807761.91        0.23994
         465363.41    3807761.91        0.23534                        465383.41
3807761.91        0.23102
         464543.41    3807781.91        0.60753                        464563.41
3807781.91        0.58730
         464583.41    3807781.91        0.55966                        464603.41
3807781.91        0.54115
         464623.41    3807781.91        0.50980                        464643.41
3807781.91        0.49143
         464663.41    3807781.91        0.49725                        464683.41
3807781.91        0.48628
         464703.41    3807781.91        0.47384                        464723.41
3807781.91        0.46357
         464743.41    3807781.91        0.45880                        464763.41
3807781.91        0.45109
         464783.41    3807781.91        0.44226                        464803.41
3807781.91        0.43303
         464823.41    3807781.91        0.42280                        464843.41
3807781.91        0.41297
         464863.41    3807781.91        0.40349                        464883.41
3807781.91        0.39429
         464903.41    3807781.91        0.38537                        464923.41
3807781.91        0.37671
         464943.41    3807781.91        0.36829                        464963.41
3807781.91        0.36012
         464983.41    3807781.91        0.35217                        465003.41
3807781.91        0.34445
         465023.41    3807781.91        0.33689                        465043.41
3807781.91        0.32953
         465063.41    3807781.91        0.32256                        465083.41
3807781.91        0.31571
         465103.41    3807781.91        0.30903                        465123.41
3807781.91        0.30254
         465143.41    3807781.91        0.29623                        465163.41
3807781.91        0.29010
         465183.41    3807781.91        0.28416                        465203.41
3807781.91        0.27847
         465223.41    3807781.91        0.27296                        465243.41
3807781.91        0.26750
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       13:53:49
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465263.41	3807781.91	0.26228	465283.41	3807781.91	0.25724
465303.41	3807781.91	0.25224	465323.41	3807781.91	0.24737
465343.41	3807781.91	0.24264	465363.41	3807781.91	0.23805
465383.41	3807781.91	0.23367	464543.41	3807801.91	0.62395
464563.41	3807801.91	0.60674	464583.41	3807801.91	0.58973
464603.41	3807801.91	0.57171	464623.41	3807801.91	0.55022
464643.41	3807801.91	0.52478	464663.41	3807801.91	0.51176
464683.41	3807801.91	0.50453	464703.41	3807801.91	0.49144
464723.41	3807801.91	0.48163	464743.41	3807801.91	0.47171
464763.41	3807801.91	0.46296	464783.41	3807801.91	0.45293
464803.41	3807801.91	0.44192	464823.41	3807801.91	0.43133
464843.41	3807801.91	0.42116	464863.41	3807801.91	0.41131
464883.41	3807801.91	0.40172	464903.41		

3807801.91 0.39246
464923.41 3807801.91 0.38345 464943.41
3807801.91 0.37474
464963.41 3807801.91 0.36625 464983.41
3807801.91 0.35798
465003.41 3807801.91 0.35005 465023.41
3807801.91 0.34227
465043.41 3807801.91 0.33470 465063.41
3807801.91 0.32747
465083.41 3807801.91 0.32035 465103.41
3807801.91 0.31342
465123.41 3807801.91 0.30683 465143.41
3807801.91 0.30031
465163.41 3807801.91 0.29397 465183.41
3807801.91 0.28801
465203.41 3807801.91 0.28218 465223.41
3807801.91 0.27649
465243.41 3807801.91 0.27082 465263.41
3807801.91 0.26546
465283.41 3807801.91 0.26032 465303.41
3807801.91 0.25529
465323.41 3807801.91 0.25029 465343.41
3807801.91 0.24542
465363.41 3807801.91 0.24087 465383.41
3807801.91 0.23641
464543.41 3807821.91 0.63968 464563.41
3807821.91 0.62222
464583.41 3807821.91 0.60531 464603.41
3807821.91 0.58834
464623.41 3807821.91 0.57003 464643.41
3807821.91 0.54840
464663.41 3807821.91 0.52684 464683.41
3807821.91 0.51629
464703.41 3807821.91 0.50266 464723.41
3807821.91 0.49558
464743.41 3807821.91 0.48595 464763.41
3807821.91 0.47367
464783.41 3807821.91 0.46247 464803.41
3807821.91 0.45105
464823.41 3807821.91 0.44015 464843.41
3807821.91 0.42952
464863.41 3807821.91 0.41924 464883.41
3807821.91 0.40931
464903.41 3807821.91 0.39967 464923.41
3807821.91 0.39034
464943.41 3807821.91 0.38123 464963.41
3807821.91 0.37246
464983.41 3807821.91 0.36398 465003.41
3807821.91 0.35564
465023.41 3807821.91 0.34766 465043.41

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465143.41	3807821.91	0.30444	465163.41	3807821.91	0.29811
465183.41	3807821.91	0.29199	465203.41	3807821.91	0.28589
465223.41	3807821.91	0.27993	465243.41	3807821.91	0.27432
465263.41	3807821.91	0.26891	465283.41	3807821.91	0.26363
465303.41	3807821.91	0.25830	465323.41	3807821.91	0.25327
465343.41	3807821.91	0.24846	465363.41	3807821.91	0.24382
465383.41	3807821.91	0.23916	464543.41	3807841.91	0.65397
464563.41	3807841.91	0.63587	464583.41	3807841.91	0.61988

464603.41 3807841.91 0.60350 464623.41
3807841.91 0.58657
464643.41 3807841.91 0.56999 464663.41
3807841.91 0.55254
464683.41 3807841.91 0.53577 464723.41
3807841.91 0.50920
464743.41 3807841.91 0.49745 464763.41
3807841.91 0.48461
464783.41 3807841.91 0.47232 464803.41
3807841.91 0.46051
464823.41 3807841.91 0.44908 464843.41
3807841.91 0.43804
464863.41 3807841.91 0.42736 464883.41
3807841.91 0.41701
464903.41 3807841.91 0.40699 464923.41
3807841.91 0.39729
464943.41 3807841.91 0.38789 464963.41
3807841.91 0.37878
464983.41 3807841.91 0.36996 465003.41
3807841.91 0.36143
465023.41 3807841.91 0.35315 465043.41
3807841.91 0.34514
465063.41 3807841.91 0.33738 465083.41
3807841.91 0.32986
465103.41 3807841.91 0.32258 465123.41
3807841.91 0.31553
465143.41 3807841.91 0.30869 465163.41
3807841.91 0.30209
465183.41 3807841.91 0.29583 465203.41
3807841.91 0.28967
465223.41 3807841.91 0.28365 465243.41
3807841.91 0.27779
465263.41 3807841.91 0.27223 465283.41
3807841.91 0.26686
465303.41 3807841.91 0.26154 465323.41
3807841.91 0.25647
465343.41 3807841.91 0.25158 465363.41
3807841.91 0.24670
465383.41 3807841.91 0.24198 464503.41
3807861.91 0.71285
464523.41 3807861.91 0.68942 464543.41
3807861.91 0.66812
464563.41 3807861.91 0.64895 464583.41
3807861.91 0.63319
464603.41 3807861.91 0.61758 464723.41
3807861.91 0.52242
464743.41 3807861.91 0.50851 464763.41
3807861.91 0.49513
464783.41 3807861.91 0.48241 464803.41
3807861.91 0.47015

```
         464823.41    3807861.91        0.45822                       464843.41
3807861.91        0.44674
         464863.41    3807861.91        0.43561                       464883.41
3807861.91        0.42487
         464903.41    3807861.91        0.41446                       464923.41
3807861.91        0.40435
         464943.41    3807861.91        0.39467                       464963.41
3807861.91        0.38523
         464983.41    3807861.91        0.37605                       465003.41
3807861.91        0.36732
         465023.41    3807861.91        0.35876                       465043.41
3807861.91        0.35044
         465063.41    3807861.91        0.34255                       465083.41
3807861.91        0.33478
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        13:53:49

                                  PAGE  69
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465103.41    3807861.91        0.32723                       465123.41
3807861.91        0.32009
         465143.41    3807861.91        0.31304                       465163.41
3807861.91        0.30618
         465183.41    3807861.91        0.29971                       465203.41
3807861.91        0.29350
         465223.41    3807861.91        0.28745                       465243.41
```

3807861.91 0.28138
465263.41 3807861.91 0.27567 465283.41
3807861.91 0.27021
465303.41 3807861.91 0.26488 465323.41
3807861.91 0.25974
465343.41 3807861.91 0.25474 465363.41
3807861.91 0.24969
465383.41 3807861.91 0.24490 464503.41
3807881.91 0.73220
464523.41 3807881.91 0.70745 464543.41
3807881.91 0.68512
464723.41 3807881.91 0.53437 464743.41
3807881.91 0.51986
464763.41 3807881.91 0.50593 464783.41
3807881.91 0.49270
464803.41 3807881.91 0.47996 464823.41
3807881.91 0.46759
464843.41 3807881.91 0.45561 464863.41
3807881.91 0.44406
464883.41 3807881.91 0.43283 464903.41
3807881.91 0.42205
464923.41 3807881.91 0.41167 464943.41
3807881.91 0.40149
464963.41 3807881.91 0.39178 464983.41
3807881.91 0.38244
465003.41 3807881.91 0.37322 465023.41
3807881.91 0.36446
465043.41 3807881.91 0.35604 465063.41
3807881.91 0.34769
465083.41 3807881.91 0.33979 465103.41
3807881.91 0.33219
465123.41 3807881.91 0.32462 465143.41
3807881.91 0.31748
465163.41 3807881.91 0.31062 465183.41
3807881.91 0.30375
465203.41 3807881.91 0.29732 465223.41
3807881.91 0.29119
465243.41 3807881.91 0.28522 465263.41
3807881.91 0.27947
465283.41 3807881.91 0.27387 465303.41
3807881.91 0.26819
465323.41 3807881.91 0.26290 465343.41
3807881.91 0.25784
465363.41 3807881.91 0.25291 465383.41
3807881.91 0.24797
464723.41 3807901.91 0.54692 464743.41
3807901.91 0.53157
464763.41 3807901.91 0.51720 464783.41
3807901.91 0.50335
464803.41 3807901.91 0.49001 464823.41

3807901.91   0.47716
         464843.41   3807901.91   0.46472   464863.41
3807901.91   0.45275
         464883.41   3807901.91   0.44108   464903.41
3807901.91   0.42983
         464923.41   3807901.91   0.41902   464943.41
3807901.91   0.40859
         464963.41   3807901.91   0.39864   464983.41
3807901.91   0.38903
         465003.41   3807901.91   0.37948   465023.41
3807901.91   0.37035
         465043.41   3807901.91   0.36159   465063.41
3807901.91   0.35315
         465083.41   3807901.91   0.34498   465103.41
3807901.91   0.33709
         465123.41   3807901.91   0.32947   465143.41
3807901.91   0.32210
         465163.41   3807901.91   0.31498   465183.41
3807901.91   0.30810
         465203.41   3807901.91   0.30158   465223.41
3807901.91   0.29530
         465243.41   3807901.91   0.28905   465263.41
3807901.91   0.28314

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

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 - - -
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         464883.41    3807941.91        0.45798                       464903.41
3807941.91        0.44598
         464923.41    3807941.91        0.43456                       464943.41
3807941.91        0.42361
         464963.41    3807941.91        0.41285                       464983.41
3807941.91        0.40237
         465003.41    3807941.91        0.39219                       465023.41
3807941.91        0.38263
         465043.41    3807941.91        0.37349                       465063.41
3807941.91        0.36440
         465083.41    3807941.91        0.35586                       465103.41
3807941.91        0.34767
         465123.41    3807941.91        0.33949                       465143.41
3807941.91        0.33183
         465163.41    3807941.91        0.32448                       465183.41
3807941.91        0.31710
         465203.41    3807941.91        0.31025                       465223.41
3807941.91        0.30373
         465243.41    3807941.91        0.29738                       465263.41
3807941.91        0.29104
         465283.41    3807941.91        0.28488                       465303.41
3807941.91        0.27920
         465323.41    3807941.91        0.27367                       465343.41
3807941.91        0.26831
         465363.41    3807941.91        0.26315                       465383.41
3807941.91        0.25795
         465403.41    3807941.91        0.25285                       465423.41
3807941.91        0.24812
         465443.41    3807941.91        0.24357                       465463.41
3807941.91        0.23923
         465483.41    3807941.91        0.23490                       465503.41
3807941.91        0.23074
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                   PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465523.41	3807941.91	0.22666	465543.41	3807941.91	0.22248
465563.41	3807941.91	0.21857	465583.41	3807941.91	0.21485
465603.41	3807941.91	0.21126	465623.41	3807941.91	0.20761
465643.41	3807941.91	0.20401	465663.41	3807941.91	0.20067
465683.41	3807941.91	0.19729	465703.41	3807941.91	0.19397
464723.41	3807961.91	0.58443	464743.41	3807961.91	0.56895
464763.41	3807961.91	0.55286	464783.41	3807961.91	0.53714
464803.41	3807961.91	0.52202	464823.41	3807961.91	0.50749
464843.41	3807961.91	0.49352	464863.41	3807961.91	0.48007
464883.41	3807961.91	0.46697	464903.41	3807961.91	0.45460
464923.41	3807961.91	0.44281	464943.41	3807961.91	0.43130
464963.41	3807961.91	0.42024	464983.41	3807961.91	0.40957
465003.41	3807961.91	0.39909	465023.41	3807961.91	0.38930
465043.41	3807961.91	0.37995	465063.41	3807961.91	0.37056
465083.41	3807961.91	0.36164	465103.41	3807961.91	0.35313
465123.41	3807961.91	0.34494	465143.41	3807961.91	0.33702
465163.41	3807961.91	0.32938	465183.41	3807961.91	0.32202
465203.41	3807961.91	0.31490	465223.41	3807961.91	0.30806
465243.41	3807961.91	0.30165	465263.41	3807961.91	0.29532
465283.41	3807961.91	0.28916	465303.41		

3807961.91 0.28337
  465323.41 3807961.91 0.27762 465343.41
3807961.91 0.27202
  465363.41 3807961.91 0.26678 465383.41
3807961.91 0.26158
  465403.41 3807961.91 0.25647 465423.41
3807961.91 0.25151
  465443.41 3807961.91 0.24683 465463.41
3807961.91 0.24260
  465483.41 3807961.91 0.23807 465503.41
3807961.91 0.23379
  465523.41 3807961.91 0.22967 465543.41
3807961.91 0.22553
  465563.41 3807961.91 0.22162 465583.41
3807961.91 0.21784
  465603.41 3807961.91 0.21403 465623.41
3807961.91 0.21034
  465643.41 3807961.91 0.20675 465663.41
3807961.91 0.20325
  465683.41 3807961.91 0.19984 465703.41
3807961.91 0.19656
  464743.41 3807981.91 0.58107 464763.41
3807981.91 0.56515
  464783.41 3807981.91 0.54902 464803.41
3807981.91 0.53336
  464823.41 3807981.91 0.51812 464843.41
3807981.91 0.50365
  464863.41 3807981.91 0.48983 464883.41
3807981.91 0.47626
  464903.41 3807981.91 0.46347 464923.41
3807981.91 0.45127
  464943.41 3807981.91 0.43928 464963.41
3807981.91 0.42791
  464983.41 3807981.91 0.41704 465003.41
3807981.91 0.40635
  465023.41 3807981.91 0.39625 465043.41
3807981.91 0.38658
  465063.41 3807981.91 0.37704 465083.41
3807981.91 0.36776
  465103.41 3807981.91 0.35887 465123.41
3807981.91 0.35072

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465143.41	3807981.91	0.34253	465163.41	3807981.91	0.33453
465183.41	3807981.91	0.32715	465203.41	3807981.91	0.31982
465223.41	3807981.91	0.31271	465243.41	3807981.91	0.30618
465263.41	3807981.91	0.29986	465283.41	3807981.91	0.29373
465303.41	3807981.91	0.28774	465323.41	3807981.91	0.28176
465343.41	3807981.91	0.27594	465363.41	3807981.91	0.27052
465383.41	3807981.91	0.26531	465403.41	3807981.91	0.26025
465423.41	3807981.91	0.25508	465443.41	3807981.91	0.25028
465463.41	3807981.91	0.24611	465483.41	3807981.91	0.24139
465503.41	3807981.91	0.23701	465523.41	3807981.91	0.23283
465543.41	3807981.91	0.22871	465563.41	3807981.91	0.22476
465583.41	3807981.91	0.22089	465603.41	3807981.91	0.21692
465623.41	3807981.91	0.21319	465643.41	3807981.91	0.20959
465663.41	3807981.91	0.20593	465683.41	3807981.91	0.20254
465703.41	3807981.91	0.19931	464763.41	3808001.91	0.57709

```
        464783.41    3808001.91        0.56098                    464803.41
3808001.91        0.54494
        464823.41    3808001.91        0.52900                    464843.41
3808001.91        0.51400
        464863.41    3808001.91        0.49968                    464883.41
3808001.91        0.48557
        464903.41    3808001.91        0.47236                    464923.41
3808001.91        0.45984
        464943.41    3808001.91        0.44777                    464963.41
3808001.91        0.43595
        464983.41    3808001.91        0.42453                    465003.41
3808001.91        0.41386
        465023.41    3808001.91        0.40336                    465043.41
3808001.91        0.39321
        465063.41    3808001.91        0.38374                    465083.41
3808001.91        0.37434
        465103.41    3808001.91        0.36522                    465123.41
3808001.91        0.35686
        465143.41    3808001.91        0.34847                    465163.41
3808001.91        0.34022
        465183.41    3808001.91        0.33231                    465203.41
3808001.91        0.32494
        465223.41    3808001.91        0.31796                    465243.41
3808001.91        0.31127
        465263.41    3808001.91        0.30481                    465283.41
3808001.91        0.29849
        465303.41    3808001.91        0.29206                    465323.41
3808001.91        0.28606
        465343.41    3808001.91        0.28032                    465363.41
3808001.91        0.27448
        465383.41    3808001.91        0.26910                    465403.41
3808001.91        0.26398
        465423.41    3808001.91        0.25898                    465443.41
3808001.91        0.25417
        465463.41    3808001.91        0.24959                    465483.41
3808001.91        0.24502
        465503.41    3808001.91        0.24063                    465523.41
3808001.91        0.23632
        465543.41    3808001.91        0.23189                    465563.41
3808001.91        0.22779
        465583.41    3808001.91        0.22389                    465603.41
3808001.91        0.22006
        465623.41    3808001.91        0.21618                    465643.41
3808001.91        0.21238
        465663.41    3808001.91        0.20886                    465683.41
3808001.91        0.20547
        465703.41    3808001.91        0.20214                    464763.41
3808021.91        0.58780
        464783.41    3808021.91        0.57188                    464803.41
3808021.91        0.55606
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3808021.91 0.31631
465263.41 3808021.91 0.30962 465283.41
3808021.91 0.30321
465303.41 3808021.91 0.29682 465323.41
3808021.91 0.29063
465343.41 3808021.91 0.28464 465363.41
3808021.91 0.27885
465383.41 3808021.91 0.27341 465403.41
3808021.91 0.26816
465423.41 3808021.91 0.26288 465443.41
3808021.91 0.25792
465463.41 3808021.91 0.25346 465483.41
3808021.91 0.24865
465503.41 3808021.91 0.24412 465523.41
3808021.91 0.23975
465543.41 3808021.91 0.23537 465563.41
3808021.91 0.23110
465583.41 3808021.91 0.22699 465603.41
3808021.91 0.22313
465623.41 3808021.91 0.21927 465643.41
3808021.91 0.21550
465663.41 3808021.91 0.21196 465683.41
3808021.91 0.20840
465703.41 3808021.91 0.20489 464783.41
3808041.91 0.58244
464803.41 3808041.91 0.56690 464823.41
3808041.91 0.55117
464843.41 3808041.91 0.53565 464863.41
3808041.91 0.52058
464883.41 3808041.91 0.50604 464903.41
3808041.91 0.49181
464923.41 3808041.91 0.47810 464943.41
3808041.91 0.46537
464963.41 3808041.91 0.45318 464983.41
3808041.91 0.44138
465003.41 3808041.91 0.42959 465023.41
3808041.91 0.41857
465043.41 3808041.91 0.40809 465063.41
3808041.91 0.39772
465083.41 3808041.91 0.38799 465103.41
3808041.91 0.37868
465123.41 3808041.91 0.36944 465143.41
3808041.91 0.36077
465163.41 3808041.91 0.35248 465183.41
3808041.91 0.34421
465203.41 3808041.91 0.33646 465223.41
3808041.91 0.32904
465243.41 3808041.91 0.32161 465263.41
3808041.91 0.31465
465283.41 3808041.91 0.30805 465303.41

3808041.91 0.30175
 465323.41 3808041.91 0.29540 465343.41
3808041.91 0.28919
 465363.41 3808041.91 0.28341 465383.41
3808041.91 0.27788
 465403.41 3808041.91 0.27249 465423.41
3808041.91 0.26698
 465443.41 3808041.91 0.26187 465463.41
3808041.91 0.25747

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465483.41	3808041.91	0.25244	465503.41	3808041.91	0.24773
465523.41	3808041.91	0.24324	465543.41	3808041.91	0.23895
465563.41	3808041.91	0.23457	465583.41	3808041.91	0.23029
465603.41	3808041.91	0.22636	465623.41	3808041.91	0.22253
465643.41	3808041.91	0.21880	465663.41	3808041.91	0.21512
465683.41	3808041.91	0.21140	465703.41	3808041.91	0.20777

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         464803.41    3808061.91        0.57826                    464823.41
3808061.91        0.56226
         464843.41    3808061.91        0.54675                    464863.41
3808061.91        0.53166
         464883.41    3808061.91        0.51666                    464903.41
3808061.91        0.50225
         464923.41    3808061.91        0.48846                    464943.41
3808061.91        0.47533
         464963.41    3808061.91        0.46274                    464983.41
3808061.91        0.45059
         465003.41    3808061.91        0.43844                    465023.41
3808061.91        0.42682
         465043.41    3808061.91        0.41577                    465063.41
3808061.91        0.40552
         465083.41    3808061.91        0.39537                    465103.41
3808061.91        0.38555
         465123.41    3808061.91        0.37646                    465143.41
3808061.91        0.36742
         465163.41    3808061.91        0.35866                    465183.41
3808061.91        0.35057
         465203.41    3808061.91        0.34248                    465223.41
3808061.91        0.33463
         465243.41    3808061.91        0.32739                    465263.41
3808061.91        0.32013
         465283.41    3808061.91        0.31308                    465303.41
3808061.91        0.30664
         465323.41    3808061.91        0.30037                    465343.41
3808061.91        0.29422
         465363.41    3808061.91        0.28798                    465383.41
3808061.91        0.28222
         465403.41    3808061.91        0.27677                    465423.41
3808061.91        0.27144
         465443.41    3808061.91        0.26631                    465463.41
3808061.91        0.26143
         465483.41    3808061.91        0.25656                    465503.41
3808061.91        0.25164
         465523.41    3808061.91        0.24684                    465543.41
3808061.91        0.24246
         465563.41    3808061.91        0.23816                    465583.41
3808061.91        0.23398
         465603.41    3808061.91        0.22996                    465623.41
3808061.91        0.22605
         465643.41    3808061.91        0.22219                    465663.41
3808061.91        0.21821
         465683.41    3808061.91        0.21449                    465703.41
3808061.91        0.21096
         464823.41    3808081.91        0.57451                    464843.41
3808081.91        0.55832
         464863.41    3808081.91        0.54263                    464883.41
3808081.91        0.52763
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         464903.41    3808081.91        0.51326                       464923.41
3808081.91        0.49940
         464943.41    3808081.91        0.48583                       464963.41
3808081.91        0.47262
         464983.41    3808081.91        0.45987                       465003.41
3808081.91        0.44768
         465023.41    3808081.91        0.43576                       465043.41
3808081.91        0.42431
         465063.41    3808081.91        0.41385                       465083.41
3808081.91        0.40338
         465103.41    3808081.91        0.39316                       465123.41
3808081.91        0.38358
         465143.41    3808081.91        0.37438                       465163.41
3808081.91        0.36553
         465183.41    3808081.91        0.35698                       465203.41
3808081.91        0.34877
         465223.41    3808081.91        0.34086                       465243.41
3808081.91        0.33320
♠ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                   PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465263.41    3808081.91        0.32583                       465283.41
3808081.91        0.31878
         465303.41    3808081.91        0.31218                       465323.41
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3808081.91        0.30561
         465343.41    3808081.91        0.29918                    465363.41
3808081.91        0.29298
         465383.41    3808081.91        0.28714                    465403.41
3808081.91        0.28153
         465423.41    3808081.91        0.27588                    465443.41
3808081.91        0.27057
         465463.41    3808081.91        0.26581                    465483.41
3808081.91        0.26066
         465503.41    3808081.91        0.25568                    465523.41
3808081.91        0.25086
         465543.41    3808081.91        0.24616                    465563.41
3808081.91        0.24174
         465583.41    3808081.91        0.23752                    465603.41
3808081.91        0.23341
         465623.41    3808081.91        0.22941                    465643.41
3808081.91        0.22549
         465663.41    3808081.91        0.22155                    465683.41
3808081.91        0.21782
         465703.41    3808081.91        0.21421                    464843.41
3808101.91        0.57051
         464863.41    3808101.91        0.55439                    464883.41
3808101.91        0.53943
         464903.41    3808101.91        0.52490                    464923.41
3808101.91        0.51075
         464943.41    3808101.91        0.49674                    464963.41
3808101.91        0.48297
         464983.41    3808101.91        0.46969                    465003.41
3808101.91        0.45729
         465023.41    3808101.91        0.44514                    465043.41
3808101.91        0.43343
         465063.41    3808101.91        0.42252                    465083.41
3808101.91        0.41169
         465103.41    3808101.91        0.40113                    465123.41
3808101.91        0.39109
         465143.41    3808101.91        0.38177                    465163.41
3808101.91        0.37288
         465183.41    3808101.91        0.36378                    465203.41
3808101.91        0.35536
         465223.41    3808101.91        0.34734                    465243.41
3808101.91        0.33931
         465263.41    3808101.91        0.33188                    465283.41
3808101.91        0.32485
         465303.41    3808101.91        0.31796                    465323.41
3808101.91        0.31107
         465343.41    3808101.91        0.30438                    465363.41
3808101.91        0.29817
         465383.41    3808101.91        0.29223                    465403.41
3808101.91        0.28644
         465423.41    3808101.91        0.28052                    465443.41
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3808101.91        0.27503
         465463.41    3808101.91        0.27033                       465483.41
3808101.91        0.26493
         465503.41    3808101.91        0.25987                       465523.41
3808101.91        0.25501
         465543.41    3808101.91        0.25007                       465563.41
3808101.91        0.24551
         465583.41    3808101.91        0.24119                       465603.41
3808101.91        0.23698
         465623.41    3808101.91        0.23290                       465643.41
3808101.91        0.22891
         465663.41    3808101.91        0.22498                       465683.41
3808101.91        0.22119
         465703.41    3808101.91        0.21748                       464863.41
3808121.91        0.56824
         464883.41    3808121.91        0.55272                       464903.41
3808121.91        0.53726
         464923.41    3808121.91        0.52223                       464943.41
3808121.91        0.50776
         464963.41    3808121.91        0.49384                       464983.41
3808121.91        0.48042
         465003.41    3808121.91        0.46714                       465023.41
3808121.91        0.45476
         465043.41    3808121.91        0.44298                       465063.41
3808121.91        0.43126
         465083.41    3808121.91        0.41994                       465103.41
3808121.91        0.40913
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                   PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465123.41	3808121.91	0.39925	465143.41	3808121.91	0.38980
465163.41	3808121.91	0.38063	465183.41	3808121.91	0.37127
465203.41	3808121.91	0.36231	465223.41	3808121.91	0.35378
465243.41	3808121.91	0.34595	465263.41	3808121.91	0.33844
465283.41	3808121.91	0.33113	465303.41	3808121.91	0.32366
465323.41	3808121.91	0.31672	465343.41	3808121.91	0.31009
465363.41	3808121.91	0.30334	465383.41	3808121.91	0.29714
465403.41	3808121.91	0.29127	465423.41	3808121.91	0.28552
465443.41	3808121.91	0.28000	465463.41	3808121.91	0.27477
465483.41	3808121.91	0.26953	465503.41	3808121.91	0.26423
465523.41	3808121.91	0.25906	465543.41	3808121.91	0.25429
465563.41	3808121.91	0.24970	465583.41	3808121.91	0.24527
465603.41	3808121.91	0.24096	465623.41	3808121.91	0.23676
465643.41	3808121.91	0.23263	465663.41	3808121.91	0.22836
465683.41	3808121.91	0.22441	465703.41	3808121.91	0.22066
464883.41	3808141.91	0.56580	464903.41	3808141.91	0.55027
464923.41	3808141.91	0.53498	464943.41	3808141.91	0.51999
464963.41	3808141.91	0.50566	464983.41	3808141.91	0.49183
465003.41	3808141.91	0.47799	465023.41	3808141.91	0.46523
465043.41	3808141.91	0.45311	465063.41	3808141.91	0.44091
465083.41	3808141.91	0.42918	465103.41	3808141.91	0.41804
465123.41	3808141.91	0.40793	465143.41	3808141.91	0.39797

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         465163.41    3808141.91        0.38828                        465183.41
3808141.91        0.37899
         465203.41    3808141.91        0.36981                        465223.41
3808141.91        0.36097
         465243.41    3808141.91        0.35298                        465263.41
3808141.91        0.34505
         465283.41    3808141.91        0.33731                        465303.41
3808141.91        0.32986
         465323.41    3808141.91        0.32265                        465343.41
3808141.91        0.31568
         465363.41    3808141.91        0.30897                        465383.41
3808141.91        0.30266
         465403.41    3808141.91        0.29659                        465423.41
3808141.91        0.29048
         465443.41    3808141.91        0.28475                        465463.41
3808141.91        0.27929
         465483.41    3808141.91        0.27399                        465503.41
3808141.91        0.26870
         465523.41    3808141.91        0.26350                        465543.41
3808141.91        0.25844
         465563.41    3808141.91        0.25368                        465583.41
3808141.91        0.24914
         465603.41    3808141.91        0.24472                        465623.41
3808141.91        0.24043
         465643.41    3808141.91        0.23622                        465663.41
3808141.91        0.23198
         465683.41    3808141.91        0.22785                        465703.41
3808141.91        0.22387
         464883.41    3808161.91        0.57931                        464903.41
3808161.91        0.56385
         464923.41    3808161.91        0.54836                        464943.41
3808161.91        0.53282
         464963.41    3808161.91        0.51796                        464983.41
3808161.91        0.50366
         465003.41    3808161.91        0.48948                        465023.41
3808161.91        0.47620
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                   PAGE  77
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
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                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465043.41    3808161.91        0.46354                       465063.41
3808161.91        0.45091
         465083.41    3808161.91        0.43889                       465103.41
3808161.91        0.42748
         465123.41    3808161.91        0.41689                       465143.41
3808161.91        0.40641
         465163.41    3808161.91        0.39629                       465183.41
3808161.91        0.38690
         465203.41    3808161.91        0.37758                       465223.41
3808161.91        0.36855
         465243.41    3808161.91        0.36018                       465263.41
3808161.91        0.35184
         465283.41    3808161.91        0.34375                       465303.41
3808161.91        0.33626
         465323.41    3808161.91        0.32877                       465343.41
3808161.91        0.32149
         465363.41    3808161.91        0.31475                       465383.41
3808161.91        0.30831
         465403.41    3808161.91        0.30204                       465423.41
3808161.91        0.29561
         465443.41    3808161.91        0.28968                       465463.41
3808161.91        0.28405
         465483.41    3808161.91        0.27852                       465503.41
3808161.91        0.27322
         465523.41    3808161.91        0.26803                       465543.41
3808161.91        0.26270
         465563.41    3808161.91        0.25779                       465583.41
3808161.91        0.25313
         465603.41    3808161.91        0.24860                       465623.41
3808161.91        0.24415
         465643.41    3808161.91        0.23981                       465663.41
3808161.91        0.23566
         465683.41    3808161.91        0.23141                       465703.41
3808161.91        0.22722
         464903.41    3808181.91        0.57780                       464923.41
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3808181.91        0.56181
         464943.41    3808181.91        0.54570                        464963.41
3808181.91        0.53031
         464983.41    3808181.91        0.51558                        465003.41
3808181.91        0.50141
         465023.41    3808181.91        0.48746                        465043.41
3808181.91        0.47391
         465063.41    3808181.91        0.46081                        465083.41
3808181.91        0.44873
         465103.41    3808181.91        0.43726                        465123.41
3808181.91        0.42579
         465143.41    3808181.91        0.41515                        465163.41
3808181.91        0.40501
         465183.41    3808181.91        0.39482                        465203.41
3808181.91        0.38536
         465223.41    3808181.91        0.37635                        465243.41
3808181.91        0.36725
         465263.41    3808181.91        0.35882                        465283.41
3808181.91        0.35077
         465303.41    3808181.91        0.34260                        465323.41
3808181.91        0.33504
         465343.41    3808181.91        0.32782                        465363.41
3808181.91        0.32046
         465383.41    3808181.91        0.31372                        465403.41
3808181.91        0.30734
         465423.41    3808181.91        0.30110                        465443.41
3808181.91        0.29511
         465463.41    3808181.91        0.28926                        465483.41
3808181.91        0.28323
         465503.41    3808181.91        0.27767                        465523.41
3808181.91        0.27242
         465543.41    3808181.91        0.26727                        465563.41
3808181.91        0.26231
         465583.41    3808181.91        0.25752                        465603.41
3808181.91        0.25287
         465623.41    3808181.91        0.24810                        465643.41
3808181.91        0.24343
         465663.41    3808181.91        0.23917                        465683.41
3808181.91        0.23500
         465703.41    3808181.91        0.23088                        464923.41
3808201.91        0.57508
         464943.41    3808201.91        0.55895                        464963.41
3808201.91        0.54318
         464983.41    3808201.91        0.52793                        465003.41
3808201.91        0.51336
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       13:53:49
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465023.41	3808201.91	0.49884	465043.41	3808201.91	0.48475
465063.41	3808201.91	0.47163	465083.41	3808201.91	0.45903
465103.41	3808201.91	0.44694	465123.41	3808201.91	0.43539
465143.41	3808201.91	0.42427	465163.41	3808201.91	0.41359
465183.41	3808201.91	0.40335	465203.41	3808201.91	0.39348
465223.41	3808201.91	0.38398	465243.41	3808201.91	0.37487
465263.41	3808201.91	0.36607	465283.41	3808201.91	0.35759
465303.41	3808201.91	0.34943	465323.41	3808201.91	0.34154
465343.41	3808201.91	0.33393	465363.41	3808201.91	0.32661
465383.41	3808201.91	0.31951	465403.41	3808201.91	0.31270
465423.41	3808201.91	0.30637	465443.41	3808201.91	0.30024
465463.41	3808201.91	0.29427	465483.41	3808201.91	0.28826
465503.41	3808201.91	0.28262	465523.41	3808201.91	0.27723

```
         465543.41    3808201.91        0.27200                    465563.41
3808201.91        0.26676
         465583.41    3808201.91        0.26165                    465603.41
3808201.91        0.25687
         465623.41    3808201.91        0.25210                    465643.41
3808201.91        0.24743
         465663.41    3808201.91        0.24307                    465683.41
3808201.91        0.23868
         465703.41    3808201.91        0.23435                    464943.41
3808221.91        0.57267
         464963.41    3808221.91        0.55654                    464983.41
3808221.91        0.54072
         465003.41    3808221.91        0.52560                    465023.41
3808221.91        0.51065
         465043.41    3808221.91        0.49621                    465063.41
3808221.91        0.48285
         465083.41    3808221.91        0.46957                    465103.41
3808221.91        0.45677
         465123.41    3808221.91        0.44521                    465143.41
3808221.91        0.43367
         465163.41    3808221.91        0.42247                    465183.41
3808221.91        0.41210
         465203.41    3808221.91        0.40182                    465223.41
3808221.91        0.39187
         465243.41    3808221.91        0.38266                    465263.41
3808221.91        0.37349
         465283.41    3808221.91        0.36461                    465303.41
3808221.91        0.35640
         465323.41    3808221.91        0.34819                    465343.41
3808221.91        0.34022
         465363.41    3808221.91        0.33286                    465383.41
3808221.91        0.32548
         465403.41    3808221.91        0.31833                    465423.41
3808221.91        0.31181
         465443.41    3808221.91        0.30551                    465463.41
3808221.91        0.29941
         465483.41    3808221.91        0.29350                    465503.41
3808221.91        0.28770
         465523.41    3808221.91        0.28208                    465543.41
3808221.91        0.27670
         465563.41    3808221.91        0.27122                    465583.41
3808221.91        0.26585
         465603.41    3808221.91        0.26096                    465623.41
3808221.91        0.25614
         465643.41    3808221.91        0.25146                    465663.41
3808221.91        0.24698
         465683.41    3808221.91        0.24239                    465703.41
3808221.91        0.23789
         464963.41    3808241.91        0.57036                    464983.41
3808241.91        0.55392
```

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                    L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                    L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                    L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465083.41   3808241.91   0.48006   465103.41
3808241.91   0.46679
         465123.41   3808241.91   0.45483   465143.41
3808241.91   0.44326
         465163.41   3808241.91   0.43203   465183.41
3808241.91   0.42074
         465203.41   3808241.91   0.41029   465223.41
3808241.91   0.40035
         465243.41   3808241.91   0.39031   465263.41
3808241.91   0.38102
         465283.41   3808241.91   0.37217   465303.41
3808241.91   0.36320
         465323.41   3808241.91   0.35491   465343.41
3808241.91   0.34699
         465363.41   3808241.91   0.33894   465383.41
3808241.91   0.33150
         465403.41   3808241.91   0.32449   465423.41

3808241.91 0.31777
465443.41 3808241.91 0.31127 465463.41
3808241.91 0.30498
465483.41 3808241.91 0.29889 465503.41
3808241.91 0.29268
465523.41 3808241.91 0.28661 465543.41
3808241.91 0.28109
465563.41 3808241.91 0.27569 465583.41
3808241.91 0.27045
465603.41 3808241.91 0.26541 465623.41
3808241.91 0.26026
465643.41 3808241.91 0.25521 465663.41
3808241.91 0.25062
465683.41 3808241.91 0.24612 465703.41
3808241.91 0.24167
464983.41 3808261.91 0.56562 465003.41
3808261.91 0.55004
465023.41 3808261.91 0.53473 465043.41
3808261.91 0.51980
465063.41 3808261.91 0.50514 465083.41
3808261.91 0.49112
465103.41 3808261.91 0.47769 465123.41
3808261.91 0.46477
465143.41 3808261.91 0.45274 465163.41
3808261.91 0.44126
465183.41 3808261.91 0.42993 465203.41
3808261.91 0.41900
465223.41 3808261.91 0.40851 465243.41
3808261.91 0.39845
465263.41 3808261.91 0.38902 465283.41
3808261.91 0.37994
465303.41 3808261.91 0.37058 465323.41
3808261.91 0.36179
465343.41 3808261.91 0.35344 465363.41
3808261.91 0.34542
465383.41 3808261.91 0.33765 465403.41
3808261.91 0.33021
465423.41 3808261.91 0.32330 465443.41
3808261.91 0.31662
465463.41 3808261.91 0.31016 465483.41
3808261.91 0.30391
465503.41 3808261.91 0.29766 465523.41
3808261.91 0.29159
465543.41 3808261.91 0.28592 465563.41
3808261.91 0.28023
465583.41 3808261.91 0.27469 465603.41
3808261.91 0.26953
465623.41 3808261.91 0.26437 465643.41
3808261.91 0.25929
465663.41 3808261.91 0.25434 465683.41

```
3808261.91        0.24970
         465703.41    3808261.91        0.24522                       465003.41
3808281.91        0.56172
         465023.41    3808281.91        0.54618                       465043.41
3808281.91        0.53100
         465063.41    3808281.91        0.51611                       465083.41
3808281.91        0.50214
         465103.41    3808281.91        0.48874                       465123.41
3808281.91        0.47509
         465143.41    3808281.91        0.46252                       465163.41
3808281.91        0.45070
         465183.41    3808281.91        0.43921                       465203.41
3808281.91        0.42781
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                 PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         465223.41    3808281.91        0.41683                       465243.41
3808281.91        0.40683
         465263.41    3808281.91        0.39710                       465283.41
3808281.91        0.38758
         465303.41    3808281.91        0.37792                       465323.41
3808281.91        0.36871
         465343.41    3808281.91        0.35998                       465363.41
3808281.91        0.35191
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         465383.41    3808281.91        0.34384                    465403.41
3808281.91        0.33600
         465423.41    3808281.91        0.32876                    465443.41
3808281.91        0.32185
         465463.41    3808281.91        0.31540                    465483.41
3808281.91        0.30897
         465503.41    3808281.91        0.30274                    465523.41
3808281.91        0.29670
         465543.41    3808281.91        0.29076                    465563.41
3808281.91        0.28478
         465583.41    3808281.91        0.27897                    465603.41
3808281.91        0.27368
         465623.41    3808281.91        0.26848                    465643.41
3808281.91        0.26336
         465663.41    3808281.91        0.25815                    465683.41
3808281.91        0.25329
         465703.41    3808281.91        0.24868                    465003.41
3808301.91        0.57374
         465023.41    3808301.91        0.55802                    465043.41
3808301.91        0.54286
         465063.41    3808301.91        0.52661                    465083.41
3808301.91        0.51248
         465103.41    3808301.91        0.49934                    465123.41
3808301.91        0.48588
         465143.41    3808301.91        0.47307                    465163.41
3808301.91        0.46070
         465183.41    3808301.91        0.44818                    465203.41
3808301.91        0.43661
         465223.41    3808301.91        0.42575                    465243.41
3808301.91        0.41539
         465263.41    3808301.91        0.40497                    465283.41
3808301.91        0.39471
         465303.41    3808301.91        0.38474                    465323.41
3808301.91        0.37560
         465343.41    3808301.91        0.36693                    465363.41
3808301.91        0.35812
         465383.41    3808301.91        0.34998                    465403.41
3808301.91        0.34222
         465423.41    3808301.91        0.33431                    465443.41
3808301.91        0.32707
         465463.41    3808301.91        0.32107                    465483.41
3808301.91        0.31445
         465503.41    3808301.91        0.30805                    465523.41
3808301.91        0.30176
         465543.41    3808301.91        0.29529                    465563.41
3808301.91        0.28930
         465583.41    3808301.91        0.28362                    465603.41
3808301.91        0.27818
         465623.41    3808301.91        0.27262                    465643.41
3808301.91        0.26716
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         465663.41    3808301.91        0.26214                       465683.41
3808301.91        0.25705
         465703.41    3808301.91        0.25208                       465043.41
3808321.91        0.55400
         465063.41    3808321.91        0.53839                       465083.41
3808321.91        0.52378
         465103.41    3808321.91        0.50985                       465123.41
3808321.91        0.49607
         465143.41    3808321.91        0.48287                       465163.41
3808321.91        0.47014
         465183.41    3808321.91        0.45758                       465203.41
3808321.91        0.44583
         465223.41    3808321.91        0.43460                       465243.41
3808321.91        0.42344
         465263.41    3808321.91        0.41247                       465283.41
3808321.91        0.40188
         465303.41    3808321.91        0.39204                       465323.41
3808321.91        0.38255
         465343.41    3808321.91        0.37341                       465363.41
3808321.91        0.36464
         465383.41    3808321.91        0.35617                       465403.41
3808321.91        0.34800
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        13:53:49

                                  PAGE  81
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- -

	465423.41	3808321.91	0.34014	465443.41	3808321.91	0.33278	
	465463.41	3808321.91	0.32624	465483.41	3808321.91	0.31945	
	465503.41	3808321.91	0.31287	465523.41	3808321.91	0.30646	
	465543.41	3808321.91	0.30004	465563.41	3808321.91	0.29401	
	465583.41	3808321.91	0.28820	465603.41	3808321.91	0.28235	
	465623.41	3808321.91	0.27669	465643.41	3808321.91	0.27122	
	465663.41	3808321.91	0.26590	465683.41	3808321.91	0.26075	
	465703.41	3808321.91	0.25576	465083.41	3808341.91	0.53510	
	465103.41	3808341.91	0.52026	465123.41	3808341.91	0.50626	
	465143.41	3808341.91	0.49269	465163.41	3808341.91	0.47963	
	465183.41	3808341.91	0.46711	465203.41	3808341.91	0.45498	
	465223.41	3808341.91	0.44319	465243.41	3808341.91	0.43145	
	465263.41	3808341.91	0.42005	465283.41	3808341.91	0.40917	
	465303.41	3808341.91	0.39928	465323.41	3808341.91	0.38931	
	465343.41	3808341.91	0.37966	465363.41	3808341.91	0.37102	
	465383.41	3808341.91	0.36228	465403.41	3808341.91	0.35375	
	465423.41	3808341.91	0.34589	465443.41	3808341.91	0.33838	
	465463.41	3808341.91	0.33138	465483.41	3808341.91	0.32441	
	465503.41	3808341.91	0.31768	465523.41	3808341.91	0.31114	
	465543.41	3808341.91	0.30472	465563.41	3808341.91	0.29859	
	465583.41	3808341.91	0.29260	465603.41	3808341.91	0.28645	
	465623.41	3808341.91	0.28072	465643.41	3808341.91	0.27521	
	465663.41	3808341.91	0.26962	465683.41	3808341.91	0.26440	
	465703.41	3808341.91	0.25939	465103.41	3808361.91	0.53060	
	465123.41	3808361.91	0.51693	465143.41			

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3808361.91        0.50314
         465163.41    3808361.91        0.48963                        465183.41
3808361.91        0.47669
         465203.41    3808361.91        0.46373                        465223.41
3808361.91        0.45117
         465243.41    3808361.91        0.43968                        465263.41
3808361.91        0.42814
         465283.41    3808361.91        0.41683                        465303.41
3808361.91        0.40606
         465323.41    3808361.91        0.39565                        465343.41
3808361.91        0.38574
         465363.41    3808361.91        0.37688                        465383.41
3808361.91        0.36825
         465403.41    3808361.91        0.35982                        465423.41
3808361.91        0.35125
         465443.41    3808361.91        0.34341                        465463.41
3808361.91        0.33692
         465483.41    3808361.91        0.32976                        465503.41
3808361.91        0.32285
         465523.41    3808361.91        0.31607                        465543.41
3808361.91        0.30910
         465563.41    3808361.91        0.30269                        465583.41
3808361.91        0.29665
         465603.41    3808361.91        0.29072                        465623.41
3808361.91        0.28472
         465643.41    3808361.91        0.27887                        465663.41
3808361.91        0.27349
         465683.41    3808361.91        0.26804                        465703.41
3808361.91        0.26271
         465183.41    3808381.91        0.48464                        465203.41
3808381.91        0.47143
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                   PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465223.41	3808381.91	0.45877	465243.41	3808381.91	0.44658
465263.41	3808381.91	0.43462	465283.41	3808381.91	0.42306
465303.41	3808381.91	0.41239	465323.41	3808381.91	0.40181
465343.41	3808381.91	0.39164	465363.41	3808381.91	0.38256
465383.41	3808381.91	0.37381	465403.41	3808381.91	0.36532
465423.41	3808381.91	0.35683	465443.41	3808381.91	0.34889
465463.41	3808381.91	0.34183	465483.41	3808381.91	0.33451
465503.41	3808381.91	0.32743	465523.41	3808381.91	0.32054
465543.41	3808381.91	0.31363	465563.41	3808381.91	0.30695
465583.41	3808381.91	0.30053	465603.41	3808381.91	0.29456
465623.41	3808381.91	0.28860	465643.41	3808381.91	0.28275
465663.41	3808381.91	0.27706	465683.41	3808381.91	0.27156
465703.41	3808381.91	0.26624	465303.41	3808401.91	0.41816
465323.41	3808401.91	0.40760	465343.41	3808401.91	0.39734
465363.41	3808401.91	0.38806	465383.41	3808401.91	0.37911
465403.41	3808401.91	0.37049	465423.41	3808401.91	0.36218
465443.41	3808401.91	0.35416	465463.41	3808401.91	0.34643
465483.41	3808401.91	0.33895	465503.41	3808401.91	0.33173
465523.41	3808401.91	0.32475	465543.41	3808401.91	0.31800
465563.41	3808401.91	0.31114	465583.41	3808401.91	0.30444

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         465603.41    3808401.91        0.29835                       465623.41
3808401.91        0.29238
         465643.41    3808401.91        0.28650                       465663.41
3808401.91        0.28054
         465683.41    3808401.91        0.27499                       465703.41
3808401.91        0.26965
         465323.41    3808421.91        0.41277                       465343.41
3808421.91        0.40282
         465363.41    3808421.91        0.39333                       465383.41
3808421.91        0.38420
         465403.41    3808421.91        0.37540                       465423.41
3808421.91        0.36692
         465443.41    3808421.91        0.35874                       465463.41
3808421.91        0.35084
         465483.41    3808421.91        0.34322                       465503.41
3808421.91        0.33586
         465523.41    3808421.91        0.32875                       465543.41
3808421.91        0.32187
         465563.41    3808421.91        0.31516                       465583.41
3808421.91        0.30866
         465603.41    3808421.91        0.30244                       465623.41
3808421.91        0.29608
         465643.41    3808421.91        0.28986                       465663.41
3808421.91        0.28414
         465683.41    3808421.91        0.27835                       465703.41
3808421.91        0.27270
         465323.41    3808441.91        0.41805                       465343.41
3808441.91        0.40809
         465363.41    3808441.91        0.39890                       465383.41
3808441.91        0.38973
         465403.41    3808441.91        0.38074                       465423.41
3808441.91        0.37207
         465443.41    3808441.91        0.36371                       465463.41
3808441.91        0.35565
         465483.41    3808441.91        0.34787                       465503.41
3808441.91        0.34036
         465523.41    3808441.91        0.33310                       465543.41
3808441.91        0.32608
         465563.41    3808441.91        0.31930                       465583.41
3808441.91        0.31274
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                 PAGE  83
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
```

INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465603.41	3808441.91	0.30639	465623.41	3808441.91	0.29986
465643.41	3808441.91	0.29341	465663.41	3808441.91	0.28738
465683.41	3808441.91	0.28156	465703.41	3808441.91	0.27598
465343.41	3808461.91	0.41301	465363.41	3808461.91	0.40393
465383.41	3808461.91	0.39478	465403.41	3808461.91	0.38576
465423.41	3808461.91	0.37692	465443.41	3808461.91	0.36840
465463.41	3808461.91	0.36020	465483.41	3808461.91	0.35227
465503.41	3808461.91	0.34471	465523.41	3808461.91	0.33742
465543.41	3808461.91	0.33027	465563.41	3808461.91	0.32336
465583.41	3808461.91	0.31667	465603.41	3808461.91	0.31020
465623.41	3808461.91	0.30355	465643.41	3808461.91	0.29693
465663.41	3808461.91	0.29053	465683.41	3808461.91	0.28471
465703.41	3808461.91	0.27923	465343.41	3808481.91	0.41745
465363.41	3808481.91	0.40759	465383.41	3808481.91	0.39856
465403.41	3808481.91	0.38991	465423.41	3808481.91	0.38094
465443.41	3808481.91	0.37230	465463.41		

```
3808481.91        0.36396
         465483.41    3808481.91        0.35591                    465503.41
3808481.91        0.34857
         465523.41    3808481.91        0.34155                    465543.41
3808481.91        0.33427
         465563.41    3808481.91        0.32723                    465583.41
3808481.91        0.32043
         465603.41    3808481.91        0.31385                    465623.41
3808481.91        0.30709
         465643.41    3808481.91        0.30036                    465663.41
3808481.91        0.29386
         465683.41    3808481.91        0.28794                    465703.41
3808481.91        0.28231
         465463.41    3808501.91        0.36801                    465483.41
3808501.91        0.35944
         465503.41    3808501.91        0.35195                    465523.41
3808501.91        0.34492
         465543.41    3808501.91        0.33754                    465563.41
3808501.91        0.33064
         465583.41    3808501.91        0.32395                    465603.41
3808501.91        0.31695
         465623.41    3808501.91        0.31021                    465643.41
3808501.91        0.30364
         465663.41    3808501.91        0.29703                    465683.41
3808501.91        0.29103
         465703.41    3808501.91        0.28529                    465523.41
3808521.91        0.34789
         465543.41    3808521.91        0.34043                    465563.41
3808521.91        0.33367
         465583.41    3808521.91        0.32712                    465603.41
3808521.91        0.31985
         465623.41    3808521.91        0.31308                    465643.41
3808521.91        0.30659
         465663.41    3808521.91        0.30001                    465683.41
3808521.91        0.29388
         465703.41    3808521.91        0.28800                    463745.31
3809562.31        1.08864
         463783.31    3809562.31        1.08858                    463821.31
3809562.31        1.08786
         463859.31    3809562.31        1.09325                    463897.31
3809562.31        1.09086
         463935.31    3809562.31        1.07148                    463973.31
3809562.31        1.04796
         464011.31    3809562.31        1.01317                    464049.31
3809562.31        0.98152
         464087.31    3809562.31        0.94489                    464125.31
3809562.31        0.90907
         464163.31    3809562.31        0.87283                    464201.31
3809562.31        0.83870
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464239.31   3809562.31   0.80142   464277.31
3809562.31   0.76654
         464315.31   3809562.31   0.73355   464353.31
3809562.31   0.70350
         464391.31   3809562.31   0.67258   464429.31
3809562.31   0.64593
         464467.31   3809562.31   0.61824   464505.31
3809562.31   0.59423
         463745.31   3809591.37   1.03904   463783.31
3809591.37   1.03871
         463821.31   3809591.37   1.03584   463859.31
3809591.37   1.03753
         463897.31   3809591.37   1.03697   463935.31
3809591.37   1.02699
         463973.31   3809591.37   1.00385   464011.31
3809591.37   0.97378
         464049.31   3809591.37   0.94414   464087.31
3809591.37   0.90832
         464125.31   3809591.37   0.87388   464163.31
3809591.37   0.83891
         464201.31   3809591.37   0.80636   464239.31
3809591.37   0.77328

464277.31 3809591.37 0.74000 464315.31
3809591.37 0.71041
464353.31 3809591.37 0.67920 464391.31
3809591.37 0.65221
464429.31 3809591.37 0.62532 464467.31
3809591.37 0.60033
464505.31 3809591.37 0.57762 463745.31
3809620.43 0.98759
463783.31 3809620.43 0.98832 463821.31
3809620.43 0.98919
463859.31 3809620.43 0.98744 463897.31
3809620.43 0.98566
463935.31 3809620.43 0.97893 463973.31
3809620.43 0.96055
464011.31 3809620.43 0.93564 464049.31
3809620.43 0.90523
464087.31 3809620.43 0.87235 464125.31
3809620.43 0.84076
464163.31 3809620.43 0.80871 464201.31
3809620.43 0.77527
464239.31 3809620.43 0.74560 464277.31
3809620.43 0.71449
464315.31 3809620.43 0.68547 464353.31
3809620.43 0.65803
464391.31 3809620.43 0.63042 464429.31
3809620.43 0.60636
464467.31 3809620.43 0.58375 464505.31
3809620.43 0.56009
463745.31 3809649.49 0.93909 463783.31
3809649.49 0.94397
463821.31 3809649.49 0.94349 463859.31
3809649.49 0.94123
463897.31 3809649.49 0.93799 463935.31
3809649.49 0.93158
463973.31 3809649.49 0.91227 464011.31
3809649.49 0.89242
464049.31 3809649.49 0.86797 464087.31
3809649.49 0.83736
464125.31 3809649.49 0.80968 464163.31
3809649.49 0.77877
464201.31 3809649.49 0.74912 464239.31
3809649.49 0.72036
464277.31 3809649.49 0.69067 464315.31
3809649.49 0.66179
464353.31 3809649.49 0.63622 464391.31
3809649.49 0.61178
464429.31 3809649.49 0.58766 464467.31
3809649.49 0.56560
464505.31 3809649.49 0.54449 463745.31
3809678.55 0.89187

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464087.31   3809678.55   0.80751   464125.31
3809678.55   0.78031
         464163.31   3809678.55   0.75176   464201.31
3809678.55   0.72492
         464239.31   3809678.55   0.69565   464277.31
3809678.55   0.66777
         464315.31   3809678.55   0.64115   464353.31
3809678.55   0.61721
         464391.31   3809678.55   0.59368   464429.31
3809678.55   0.57035
         464467.31   3809678.55   0.54985   464505.31
3809678.55   0.52854
         463745.31   3809707.61   0.85068   463783.31

3809707.61 0.85475
463821.31 3809707.61 0.85816 463859.31 3809707.61 0.85746
463897.31 3809707.61 0.85271 463935.31 3809707.61 0.84784
463973.31 3809707.61 0.83545 464011.31 3809707.61 0.81760
464049.31 3809707.61 0.80020 464087.31 3809707.61 0.77731
464125.31 3809707.61 0.75264 464163.31 3809707.61 0.72729
464201.31 3809707.61 0.69956 464239.31 3809707.61 0.67294
464277.31 3809707.61 0.64633 464315.31 3809707.61 0.62234
464353.31 3809707.61 0.59746 464391.31 3809707.61 0.57560
464429.31 3809707.61 0.55337 464467.31 3809707.61 0.53342
464505.31 3809707.61 0.51447 463745.31 3809736.67 0.81556
463783.31 3809736.67 0.81590 463821.31 3809736.67 0.81584
463859.31 3809736.67 0.81653 463897.31 3809736.67 0.81414
463935.31 3809736.67 0.80748 463973.31 3809736.67 0.80015
464011.31 3809736.67 0.78765 464049.31 3809736.67 0.76948
464087.31 3809736.67 0.75052 464125.31 3809736.67 0.72774
464163.31 3809736.67 0.70425 464201.31 3809736.67 0.67703
464239.31 3809736.67 0.65238 464277.31 3809736.67 0.62698
464315.31 3809736.67 0.60274 464353.31 3809736.67 0.57996
464391.31 3809736.67 0.55870 464429.31 3809736.67 0.53752
464467.31 3809736.67 0.51886 464505.31 3809736.67 0.50115
463745.31 3809765.73 0.78351 463783.31 3809765.73 0.78250
463821.31 3809765.73 0.78041 463859.31 3809765.73 0.77938
463897.31 3809765.73 0.77819 463935.31 3809765.73 0.77020
463973.31 3809765.73 0.76078 464011.31 3809765.73 0.75619
464049.31 3809765.73 0.74295 464087.31

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         463935.31   3809794.79   0.73500   463973.31
3809794.79   0.72605
         464011.31   3809794.79   0.72127   464049.31
3809794.79   0.71654

```
        464087.31    3809794.79        0.69999                    464125.31
3809794.79        0.68059
        464163.31    3809794.79        0.65954                    464201.31
3809794.79        0.63690
        464239.31    3809794.79        0.61341                    464277.31
3809794.79        0.59060
        464315.31    3809794.79        0.56858                    464353.31
3809794.79        0.54699
        464391.31    3809794.79        0.52744                    464429.31
3809794.79        0.50968
        464467.31    3809794.79        0.49147                    464505.31
3809794.79        0.47457
        463745.31    3809823.85        0.72584                    463783.31
3809823.85        0.72035
        463821.31    3809823.85        0.71456                    463859.31
3809823.85        0.71190
        463897.31    3809823.85        0.70833                    463935.31
3809823.85        0.70135
        463973.31    3809823.85        0.69402                    464011.31
3809823.85        0.68777
        464049.31    3809823.85        0.68449                    464087.31
3809823.85        0.67498
        464125.31    3809823.85        0.65865                    464163.31
3809823.85        0.63870
        464201.31    3809823.85        0.61658                    464239.31
3809823.85        0.59517
        464277.31    3809823.85        0.57355                    464315.31
3809823.85        0.55162
        464353.31    3809823.85        0.53162                    464391.31
3809823.85        0.51317
        464429.31    3809823.85        0.49529                    464467.31
3809823.85        0.47837
        464505.31    3809823.85        0.46172                    463745.31
3809852.91        0.70099
        463783.31    3809852.91        0.69530                    463821.31
3809852.91        0.68638
        463859.31    3809852.91        0.68250                    463897.31
3809852.91        0.67681
        463935.31    3809852.91        0.67024                    463973.31
3809852.91        0.66395
        464011.31    3809852.91        0.65708                    464049.31
3809852.91        0.65281
        464087.31    3809852.91        0.64541                    464125.31
3809852.91        0.63298
        464163.31    3809852.91        0.61499                    464201.31
3809852.91        0.59460
        464239.31    3809852.91        0.57540                    464277.31
3809852.91        0.55573
        464315.31    3809852.91        0.53578                    464353.31
3809852.91        0.51633
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         464391.31    3809852.91        0.49886                        464429.31
3809852.91        0.48198
         464467.31    3809852.91        0.46542                        464505.31
3809852.91        0.44982
         463745.31    3809881.97        0.67847                        463783.31
3809881.97        0.67146
         463821.31    3809881.97        0.66265                        463859.31
3809881.97        0.65647
         463897.31    3809881.97        0.64894                        463935.31
3809881.97        0.64131
         463973.31    3809881.97        0.63647                        464011.31
3809881.97        0.63009
         464049.31    3809881.97        0.62449                        464087.31
3809881.97        0.61628
         464125.31    3809881.97        0.60539                        464163.31
3809881.97        0.58918
         464201.31    3809881.97        0.57263                        464239.31
3809881.97        0.55448
         464277.31    3809881.97        0.53729                        464315.31
3809881.97        0.52024
         464353.31    3809881.97        0.50205                        464391.31
3809881.97        0.48570
         464429.31    3809881.97        0.46936                        464467.31
3809881.97        0.45325
         464505.31    3809881.97        0.43902                        463745.31
3809911.03        0.65588
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                   PAGE  87
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463783.31	3809911.03	0.64786	463821.31	3809911.03	0.64068
463859.31	3809911.03	0.63319	463897.31	3809911.03	0.62524
463935.31	3809911.03	0.61659	463973.31	3809911.03	0.61081
464011.31	3809911.03	0.60466	464049.31	3809911.03	0.59942
464087.31	3809911.03	0.59136	464125.31	3809911.03	0.58079
464163.31	3809911.03	0.56726	464201.31	3809911.03	0.55318
464239.31	3809911.03	0.53635	464277.31	3809911.03	0.52082
464315.31	3809911.03	0.50452	464353.31	3809911.03	0.48822
464391.31	3809911.03	0.47257	464429.31	3809911.03	0.45694
464467.31	3809911.03	0.44240	464505.31	3809911.03	0.42780
463745.31	3809940.09	0.63360	463783.31	3809940.09	0.62554
463821.31	3809940.09	0.61938	463859.31	3809940.09	0.61152
463897.31	3809940.09	0.60401	463935.31	3809940.09	0.59565
463973.31	3809940.09	0.58860	464011.31	3809940.09	0.58040
464049.31	3809940.09	0.57470	464087.31	3809940.09	0.56701
464125.31	3809940.09	0.55768	464163.31	3809940.09	0.54749
464201.31	3809940.09	0.53592	464239.31	3809940.09	0.52102
464277.31	3809940.09	0.50557	464315.31	3809940.09	0.49044
464353.31	3809940.09	0.47499	464391.31	3809940.09	0.45999
464429.31	3809940.09	0.44565	464467.31	3809940.09	0.43117
464505.31	3809940.09	0.41718	463745.31	3809969.15	0.61697
463783.31	3809969.15	0.60621	463821.31	3809969.15	0.59885
463859.31	3809969.15	0.59138	463897.31		

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3809969.15        0.58390
         463935.31    3809969.15        0.57599                          463973.31
3809969.15        0.56889
         464011.31    3809969.15        0.55952                          464049.31
3809969.15        0.55139
         464087.31    3809969.15        0.54433                          464125.31
3809969.15        0.53697
         464163.31    3809969.15        0.52801                          464201.31
3809969.15        0.51849
         464239.31    3809969.15        0.50646                          464277.31
3809969.15        0.49153
         464315.31    3809969.15        0.47721                          464353.31
3809969.15        0.46338
         464391.31    3809969.15        0.44895                          464429.31
3809969.15        0.43460
         464467.31    3809969.15        0.42022                          464505.31
3809969.15        0.40758
         463745.31    3809998.21        0.60635                          463783.31
3809998.21        0.59139
         463821.31    3809998.21        0.58162                          463859.31
3809998.21        0.57329
         463897.31    3809998.21        0.56574                          463935.31
3809998.21        0.55735
         463973.31    3809998.21        0.55008                          464011.31
3809998.21        0.54140
         464049.31    3809998.21        0.53285                          464087.31
3809998.21        0.52516
         464125.31    3809998.21        0.51879                          464163.31
3809998.21        0.51068
         464201.31    3809998.21        0.50158                          464239.31
3809998.21        0.49086
         464277.31    3809998.21        0.47850                          464315.31
3809998.21        0.46452
         464353.31    3809998.21        0.45138                          464391.31
3809998.21        0.43752
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```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
```

, L0000019   , L0000020   , L0000021   ,
                L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         464201.31    3810056.33        0.46976                        464239.31
3810056.33        0.46089
         464277.31    3810056.33        0.45027                        464315.31
3810056.33        0.43961
         464353.31    3810056.33        0.42867                        464391.31
3810056.33        0.41643
         464429.31    3810056.33        0.40375                        464467.31
3810056.33        0.39081
         464505.31    3810056.33        0.37886                        463745.31
3810085.39        0.57948
         463783.31    3810085.39        0.55933                        463821.31
3810085.39        0.54252
         463859.31    3810085.39        0.53047                        463897.31
3810085.39        0.52059
         463935.31    3810085.39        0.51143                        463973.31
3810085.39        0.50313
         464011.31    3810085.39        0.49392                        464049.31
3810085.39        0.48403
         464087.31    3810085.39        0.47610                        464125.31
3810085.39        0.46812
         464163.31    3810085.39        0.46108                        464201.31
3810085.39        0.45385
         464239.31    3810085.39        0.44616                        464277.31
3810085.39        0.43686
         464315.31    3810085.39        0.42692                        464353.31
3810085.39        0.41655
         464391.31    3810085.39        0.40555                        464429.31
3810085.39        0.39332
         464467.31    3810085.39        0.38118                        464505.31
3810085.39        0.36935
         463745.31    3810114.45        0.56830                        463783.31
3810114.45        0.55154
         463821.31    3810114.45        0.53296                        463859.31
3810114.45        0.52066
         463897.31    3810114.45        0.50873                        463935.31
3810114.45        0.49880
         463973.31    3810114.45        0.48935                        464011.31
3810114.45        0.48004
         464049.31    3810114.45        0.46992                        464087.31
3810114.45        0.46155
         464125.31    3810114.45        0.45301                        464163.31
3810114.45        0.44529
         464201.31    3810114.45        0.43809                        464239.31
3810114.45        0.43201
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       13:53:49
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464277.31	3810114.45	0.42393	464315.31	3810114.45	0.41372
464353.31	3810114.45	0.40316	464391.31	3810114.45	0.39231
464429.31	3810114.45	0.38207	464467.31	3810114.45	0.37038
464505.31	3810114.45	0.36012	463745.31	3810143.51	0.55414
463783.31	3810143.51	0.54079	463821.31	3810143.51	0.52669
463859.31	3810143.51	0.51276	463897.31	3810143.51	0.49745
463935.31	3810143.51	0.48589	463973.31	3810143.51	0.47519
464011.31	3810143.51	0.46697	464049.31	3810143.51	0.45689
464087.31	3810143.51	0.44726	464125.31	3810143.51	0.43890
464163.31	3810143.51	0.43129	464201.31	3810143.51	0.42389
464239.31	3810143.51	0.41722	464277.31	3810143.51	0.41110
464315.31	3810143.51	0.40154	464353.31	3810143.51	0.39031
464391.31	3810143.51	0.38055	464429.31	3810143.51	0.37050
464467.31	3810143.51	0.36092	464505.31		

```
3810143.51        0.35135
         464383.78    3807479.29        0.27760                        464355.03
3807405.24        0.25752
         464402.07    3807352.10        0.22678                        464367.23
3807296.35        0.21660
         464358.52    3807237.99        0.19548                        464385.52
3807161.33        0.17624
         464944.35    3809244.89        0.52800                        465700.32
3809255.46        0.28132
         465716.18    3808536.49        0.28593                        465544.37
3808533.85        0.34168
         465420.13    3808486.27        0.38323                        465348.77
3808491.56        0.41685
         465317.05    3808443.98        0.42187                        465327.62
3808406.97        0.40674
         465108.23    3808369.97        0.53126                        464999.86
3808301.24        0.57632
         464722.31    3807973.48        0.59161                        464717.03
3807836.03        0.50852
         464344.33    3807936.47        0.79306                        464349.61
3807780.52        0.79601
         464386.62    3807785.81        0.76076                        464521.43
3807859.82        0.68983
         464537.28    3807719.72        0.44354                        464426.27
3807613.99        0.34648
         464368.43    3807532.62        0.32004                        464324.60
3807121.91        0.17224
         464123.31    3807123.54        0.20499                        463930.13
3806909.26        0.14892
         463831.11    3806906.01        0.15209                        463821.36
3806720.95        0.11275
         463727.21    3806727.44        0.11165                        463598.97
3806334.59        0.06892
         463001.06    3806361.54        0.03666

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                   PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
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, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        462160.55   3809377.75        5.52131  (09022407)               462051.48
3809270.62        5.35024  (09022407)
        462014.47   3809029.10        6.17593  (10042219)               462010.58
3808855.75        6.17903  (10042219)
        461936.56   3808886.92        6.06317  (10042219)               461936.56
3808997.94        6.70712  (10042219)
        461909.30   3808768.10        3.90806  (10042219)               461835.28
3808894.71        5.43939  (10042219)
        461845.02   3808995.99        6.42965  (10042219)               461833.33
3809114.80        5.61172  (10042219)
        461843.07   3809210.24        4.62078  (09022407)               461809.96
3809297.89        4.59680  (09022407)
        461856.71   3809385.54        4.68918  (09022407)               461841.13
3809482.92        4.57611  (09022407)
        462004.74   3809379.69        5.17947  (09022407)               461763.22
3808793.43        3.43237  (10042219)
        461753.48   3808699.93        3.54357  (09021520)               461835.28
3808686.30        3.81642  (09021520)
        461823.60   3808579.17        6.06574  (09021520)               461761.27
3808585.02        5.70346  (09021520)
        462301.19   3807807.15       12.51860  (10021207)               462304.78
3807868.16        9.21892  (09020119)
        462216.84   3807882.52       10.20763  (09020119)               462116.34
3807886.11       10.56482  (09020119)
        462114.55   3807789.20        7.17340  (09020119)               462012.25
3807887.90       10.63588  (09020119)
        462008.66   3807975.84       11.70619  (09020119)               461917.14
3807972.25       11.06332  (09020119)
        461922.52   3808187.60       19.17488  (10021620)               461908.17
3808288.10       19.10215  (10021620)
        461848.94   3808377.83       13.18978  (10021620)               461831.00
3808494.48        8.41406  (09021520)
        462421.43   3808393.98       20.56191  (10021620)               462459.11
3808501.66       12.53173  (09021520)
        462437.58   3808580.62        9.04756  (09021520)               462654.73
3809189.00        7.66096  (09022407)
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        462559.49   3809194.32        7.58573  (09022407)               465763.86
3807935.19        3.44441  (09010519)
        465819.84   3807935.19        3.36577  (09010519)               465875.82
3807935.19        3.28672  (09010519)
        465931.80   3807935.19        3.20916  (09010519)               465987.78
3807935.19        3.13212  (09010519)
        466043.76   3807935.19        3.05623  (09010519)               466099.74
3807935.19        2.98167  (09010519)
        466155.72   3807935.19        2.90857  (09010519)               466211.70
3807935.19        2.83695  (09010519)
        466267.68   3807935.19        2.76720  (09010519)               466323.66
3807935.19        2.69718  (09010519)
        466379.64   3807935.19        2.63129  (09010519)               466435.62
3807935.19        2.56713  (09010519)
        466491.60   3807935.19        2.50475  (09010519)               466547.58
3807935.19        2.43910  (09010519)
        466603.56   3807935.19        2.37934  (09010519)               466659.54
3807935.19        2.32137  (09010519)
        466715.52   3807935.19        2.26528  (09010519)               466771.50
3807935.19        2.21029  (09010519)
        466827.48   3807935.19        2.15503  (09010519)               466883.46
3807935.19        2.10315  (09010519)
        465763.86   3808001.41        3.79970  (09010519)               465819.84
3808001.41        3.69046  (09010519)
        465875.82   3808001.41        3.58329  (09010519)               465931.80
3808001.41        3.47920  (09010519)
        465987.78   3808001.41        3.38133  (09010519)               466043.76
3808001.41        3.28056  (09010519)
        466099.74   3808001.41        3.19124  (09010519)               466155.72
3808001.41        3.10017  (09010519)
        466211.70   3808001.41        3.01275  (09010519)               466267.68
3808001.41        2.92761  (09010519)
        466323.66   3808001.41        2.84488  (09010519)               466379.64
3808001.41        2.76514  (09010519)
        466435.62   3808001.41        2.68822  (09010519)               466491.60
3808001.41        2.61404  (09010519)
        466547.58   3808001.41        2.54095  (09010519)               466603.56
3808001.41        2.47269  (09010519)
        466659.54   3808001.41        2.40699  (09010519)               466715.52
3808001.41        2.33813  (09010519)
        466771.50   3808001.41        2.27709  (09010519)               466827.48
3808001.41        2.21765  (09010519)
        466883.46   3808001.41        2.15825  (09010519)               465763.86
3808067.63        4.09643  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       13:53:49
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465819.84	3808067.63	3.95604	(09010519)	465875.82	3808067.63	3.82286	(09010519)
465931.80	3808067.63	3.69526	(09010519)	465987.78	3808067.63	3.57326	(09010519)
466043.76	3808067.63	3.45652	(09010519)	466099.74	3808067.63	3.34482	(09010519)
466155.72	3808067.63	3.23821	(09010519)	466211.70	3808067.63	3.13558	(09010519)
466267.68	3808067.63	3.03752	(09010519)	466323.66	3808067.63	2.94274	(09010519)
466379.64	3808067.63	2.85200	(09010519)	466435.62	3808067.63	2.76863	(09010519)
466491.60	3808067.63	2.68188	(09010519)	466547.58	3808067.63	2.60205	(09010519)
466603.56	3808067.63	2.52561	(09010519)	466659.54	3808067.63	2.45245	(09010519)
466715.52	3808067.63	2.38302	(09010519)	466771.50	3808067.63	2.31630	(09010519)
466827.48	3808067.63	2.24983	(09010519)	466883.46	3808067.63	2.18484	(09010519)
465763.86	3808133.85	4.30781	(09010519)	465819.84	3808133.85	4.14122	(09010519)
465875.82	3808133.85	3.98438	(09010519)	465931.80	3808133.85	3.83585	(09010519)
465987.78	3808133.85	3.70101	(09010519)	466043.76	3808133.85	3.56667	(09010519)
466099.74	3808133.85	3.43934	(09010519)	466155.72			

3808133.85 3.31837 (09010519)
466211.70 3808133.85 3.20347 (09010519) 466267.68
3808133.85 3.09463 (09010519)
466323.66 3808133.85 2.99138 (09010519) 466379.64
3808133.85 2.89385 (09010519)
466435.62 3808133.85 2.80046 (09010519) 466491.60
3808133.85 2.71153 (09010519)
466547.58 3808133.85 2.62520 (09010519) 466603.56
3808133.85 2.54402 (09010519)
466659.54 3808133.85 2.46777 (10032206) 466715.52
3808133.85 2.40326 (10032206)
466771.50 3808133.85 2.33775 (10032206) 466827.48
3808133.85 2.27890 (10032206)
466883.46 3808133.85 2.22145 (10032206) 465763.86
3808200.07 4.41561 (09010519)
465819.84 3808200.07 4.22962 (09010519) 465875.82
3808200.07 4.05523 (09010519)
465931.80 3808200.07 3.89752 (09010519) 465987.78
3808200.07 3.74308 (09010519)
466043.76 3808200.07 3.61354 (10032206) 466099.74
3808200.07 3.49214 (10032206)
466155.72 3808200.07 3.37691 (10032206) 466211.70
3808200.07 3.26745 (10032206)
466267.68 3808200.07 3.16347 (10032206) 466323.66
3808200.07 3.06924 (10032206)
466379.64 3808200.07 2.97488 (10032206) 466435.62
3808200.07 2.88488 (10032206)
466491.60 3808200.07 2.79904 (10032206) 466547.58
3808200.07 2.71712 (10032206)
466603.56 3808200.07 2.63888 (10032206) 466659.54
3808200.07 2.56410 (10032206)
466715.52 3808200.07 2.49273 (10032206) 466771.50
3808200.07 2.42331 (10032206)
466827.48 3808200.07 2.35557 (10032206) 466883.46
3808200.07 2.29285 (10032206)
465763.86 3808266.29 4.56685 (10032206) 465819.84
3808266.29 4.39059 (10032206)
465875.82 3808266.29 4.22183 (10032206) 465931.80
3808266.29 4.05918 (10032206)
465987.78 3808266.29 3.90628 (10032206) 466043.76
3808266.29 3.76235 (10032206)
466099.74 3808266.29 3.62669 (10032206) 466155.72
3808266.29 3.49868 (10032206)
466211.70 3808266.29 3.37814 (10032206) 466267.68
3808266.29 3.26659 (10032206)
466323.66 3808266.29 3.15812 (10032206) 466379.64
3808266.29 3.05931 (10032206)
466435.62 3808266.29 2.96220 (10032206) 466491.60
3808266.29 2.86723 (10032206)
466547.58 3808266.29 2.77828 (10032206) 466603.56

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        466771.50   3808266.29   2.46486 (10032206)   466827.48
3808266.29   2.39382 (10032206)
        466883.46   3808266.29   2.32718 (10032206)   465763.86
3808332.51   4.67753 (10032206)
        465819.84   3808332.51   4.49108 (10032206)   465875.82
3808332.51   4.30450 (10032206)
        465931.80   3808332.51   4.13021 (10032206)   465987.78
3808332.51   3.96712 (10032206)
        466043.76   3808332.51   3.81413 (10032206)   466099.74
3808332.51   3.67062 (10032206)
        466155.72   3808332.51   3.53758 (10032206)   466211.70
3808332.51   3.41045 (10032206)
        466267.68   3808332.51   3.29006 (10032206)   466323.66
3808332.51   3.18367 (10032206)
        466379.64   3808332.51   3.07568 (10032206)   466435.62
3808332.51   2.97331 (10032206)
        466491.60   3808332.51   2.87633 (10032206)   466547.58
3808332.51   2.78426 (10032206)

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        466603.56   3808332.51        2.70314  (10032206)               466659.54
3808332.51        2.62070  (10032206)
        466715.52   3808332.51        2.54137  (10032206)               466771.50
3808332.51        2.46126  (10032206)
        466827.48   3808332.51        2.39019  (10032206)               466883.46
3808332.51        2.32211  (10032206)
        465763.86   3808398.73        4.63774  (10032206)               465819.84
3808398.73        4.44699  (10032206)
        465875.82   3808398.73        4.25779  (10032206)               465931.80
3808398.73        4.08231  (10032206)
        465987.78   3808398.73        3.91766  (10032206)               466043.76
3808398.73        3.76353  (10032206)
        466099.74   3808398.73        3.62337  (10032206)               466155.72
3808398.73        3.48639  (10032206)
        466211.70   3808398.73        3.35777  (10032206)               466267.68
3808398.73        3.24600  (10032206)
        466323.66   3808398.73        3.13143  (10032206)               466379.64
3808398.73        3.02387  (10032206)
        466435.62   3808398.73        2.92546  (10032206)               466491.60
3808398.73        2.82965  (10032206)
        466547.58   3808398.73        2.73878  (10032206)               466603.56
3808398.73        2.65323  (10032206)
        466659.54   3808398.73        2.57135  (10032206)               466715.52
3808398.73        2.49209  (10032206)
        466771.50   3808398.73        2.41772  (10032206)               466827.48
3808398.73        2.34605  (10032206)
        466883.46   3808398.73        2.27815  (10032206)               465763.86
3808464.95        4.45117  (10032206)
        465819.84   3808464.95        4.26602  (10032206)               465875.82
3808464.95        4.08394  (10032206)
        465931.80   3808464.95        3.91691  (10032206)               465987.78
3808464.95        3.76182  (10032206)
        466043.76   3808464.95        3.62010  (10032206)               466099.74
3808464.95        3.48084  (10032206)
        466155.72   3808464.95        3.35017  (10032206)               466211.70
3808464.95        3.22757  (10032206)
        466267.68   3808464.95        3.11897  (10032206)               466323.66
3808464.95        3.00971  (10032206)
        466379.64   3808464.95        2.91056  (10032206)               466435.62
3808464.95        2.81346  (10032206)
        466491.60   3808464.95        2.72538  (10032206)               466547.58
3808464.95        2.63758  (10032206)
        466603.56   3808464.95        2.55438  (10032206)               466659.54
3808464.95        2.47546  (10032206)
        466715.52   3808464.95        2.40073  (10032206)               466771.50
3808464.95        2.32968  (10032206)
        466827.48   3808464.95        2.26194  (10032206)               466883.46
3808464.95        2.19743  (10032206)
        465763.86   3808531.17        4.42041  (09031319)               465819.84
3808531.17        4.19723  (09031319)
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3808597.39        4.39585  (09031319)
        465931.80   3808597.39        4.18117  (09031319)                465987.78
3808597.39        3.99633  (09031319)
        466043.76   3808597.39        3.82532  (09031319)                466099.74
3808597.39        3.65757  (09031319)
        466155.72   3808597.39        3.50194  (09031319)                466211.70
3808597.39        3.35640  (09031319)
        466267.68   3808597.39        3.21716  (09031319)                466323.66
3808597.39        3.09240  (09031319)
        466379.64   3808597.39        2.97336  (09031319)                466435.62
3808597.39        2.85693  (09031319)
        466491.60   3808597.39        2.74943  (09031319)                466547.58
3808597.39        2.64649  (09031319)
        466603.56   3808597.39        2.54763  (09031319)                466659.54
3808597.39        2.45404  (09031319)
        466715.52   3808597.39        2.36580  (09031319)                466771.50
3808597.39        2.28203  (09031319)
        466827.48   3808597.39        2.20250  (09031319)                466883.46
3808597.39        2.12907  (09031319)
        465763.86   3808663.61        5.05406  (09031319)                465819.84
3808663.61        4.84033  (09031319)
        465875.82   3808663.61        4.62555  (09031319)                465931.80
3808663.61        4.42400  (09031319)
        465987.78   3808663.61        4.23516  (09031319)                466043.76
3808663.61        4.05671  (09031319)
        466099.74   3808663.61        3.89268  (09031319)                466155.72
3808663.61        3.73328  (09031319)
        466211.70   3808663.61        3.58217  (09031319)                466267.68
3808663.61        3.44026  (09031319)
        466323.66   3808663.61        3.31518  (09031319)                466379.64
3808663.61        3.18793  (09031319)
        466435.62   3808663.61        3.07601  (09031319)                466491.60
3808663.61        2.96133  (09031319)
        466547.58   3808663.61        2.85224  (09031319)                466603.56
3808663.61        2.74884  (09031319)
        466659.54   3808663.61        2.65067  (09031319)                466715.52
3808663.61        2.55820  (09031319)
        466771.50   3808663.61        2.47024  (09031319)                466827.48
3808663.61        2.39052  (09031319)
        466883.46   3808663.61        2.31011  (09031319)                465763.86
3808729.83        5.04435  (09031319)
        465819.84   3808729.83        4.86122  (09031319)                465875.82
3808729.83        4.66908  (09031319)
        465931.80   3808729.83        4.48249  (09031319)                465987.78
3808729.83        4.30608  (09031319)
        466043.76   3808729.83        4.13973  (09031319)                466099.74
3808729.83        3.98178  (09031319)
        466155.72   3808729.83        3.83192  (09031319)                466211.70
3808729.83        3.68876  (09031319)
        466267.68   3808729.83        3.55360  (09031319)                466323.66
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3808729.83   3.43408 (09031319)
        466379.64   3808729.83   3.31492 (09031319)   466435.62
3808729.83   3.19826 (09031319)
        466491.60   3808729.83   3.09127 (09031319)   466547.58
3808729.83   2.98411 (09031319)
        466603.56   3808729.83   2.88202 (09031319)   466659.54
3808729.83   2.79222 (09031319)
        466715.52   3808729.83   2.69886 (09031319)   466771.50
3808729.83   2.61037 (09031319)
        466827.48   3808729.83   2.52784 (09031319)   466883.46
3808729.83   2.44707 (09031319)
        465763.86   3808796.05   5.39895 (09010419)   465819.84
3808796.05   5.16129 (09010419)
        465875.82   3808796.05   4.88759 (09010419)   465931.80
3808796.05   4.64106 (09010419)
        465987.78   3808796.05   4.40562 (09010419)   466043.76
3808796.05   4.18465 (09010419)
        466099.74   3808796.05   3.97597 (09010419)   466155.72
3808796.05   3.79797 (09031319)
        466211.70   3808796.05   3.67378 (09031319)   466267.68
3808796.05   3.55404 (09031319)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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        466323.66   3808796.05        3.44166  (09031319)              466379.64
3808796.05        3.33270  (09031319)
        466435.62   3808796.05        3.23193  (09031319)              466491.60
3808796.05        3.12901  (09031319)
        466547.58   3808796.05        3.03104  (09031319)              466603.56
3808796.05        2.94130  (09031319)
        466659.54   3808796.05        2.85027  (09031319)              466715.52
3808796.05        2.76483  (09031319)
        466771.50   3808796.05        2.68154  (09031319)              466827.48
3808796.05        2.60065  (09031319)
        466883.46   3808796.05        2.52664  (09031319)              465763.86
3808862.27        5.46478  (09010419)
        465819.84   3808862.27        5.26108  (09010419)              465875.82
3808862.27        5.05449  (09010419)
        465931.80   3808862.27        4.83589  (09010419)              465987.78
3808862.27        4.62433  (09010419)
        466043.76   3808862.27        4.42081  (09010419)              466099.74
3808862.27        4.23114  (09010419)
        466155.72   3808862.27        4.03862  (09010419)              466211.70
3808862.27        3.85997  (09010419)
        466267.68   3808862.27        3.69571  (09010419)              466323.66
3808862.27        3.53288  (09010419)
        466379.64   3808862.27        3.38061  (09010419)              466435.62
3808862.27        3.23420  (09010419)
        466491.60   3808862.27        3.09484  (09010419)              466547.58
3808862.27        2.99155  (09031319)
        466603.56   3808862.27        2.90886  (09031319)              466659.54
3808862.27        2.83344  (09031319)
        466715.52   3808862.27        2.75550  (09031319)              466771.50
3808862.27        2.68118  (09031319)
        466827.48   3808862.27        2.61069  (09031319)              466883.46
3808862.27        2.54168  (09031319)
        465763.86   3808928.49        5.28342  (09120320)              465819.84
3808928.49        5.09032  (09010419)
        465875.82   3808928.49        4.95159  (09010419)              465931.80
3808928.49        4.79986  (09010419)
        465987.78   3808928.49        4.64309  (09010419)              466043.76
3808928.49        4.48838  (09010419)
        466099.74   3808928.49        4.31607  (09010419)              466155.72
3808928.49        4.15505  (09010419)
        466211.70   3808928.49        3.99841  (09010419)              466267.68
3808928.49        3.84507  (09010419)
        466323.66   3808928.49        3.69592  (09010419)              466379.64
3808928.49        3.55182  (09010419)
        466435.62   3808928.49        3.41834  (09010419)              466491.60
3808928.49        3.28786  (09010419)
        466547.58   3808928.49        3.15989  (09010419)              466603.56
3808928.49        3.04205  (09010419)
        466659.54   3808928.49        2.92242  (09010419)              466715.52
3808928.49        2.81001  (09010419)
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        466771.50   3808928.49        2.69976  (09010419)               466827.48
3808928.49        2.59764  (09010419)
        466883.46   3808928.49        2.49644  (09010419)               465763.86
3808994.71        5.24768  (09120320)
        465819.84   3808994.71        5.05733  (09120320)               465875.82
3808994.71        4.88274  (09120320)
        465931.80   3808994.71        4.71904  (09120320)               465987.78
3808994.71        4.55641  (09120320)
        466043.76   3808994.71        4.36938  (09120320)               466099.74
3808994.71        4.23273  (09010419)
        466155.72   3808994.71        4.10299  (09010419)               466211.70
3808994.71        3.97938  (09010419)
        466267.68   3808994.71        3.85523  (09010419)               466323.66
3808994.71        3.73232  (09010419)
        466379.64   3808994.71        3.61088  (09010419)               466435.62
3808994.71        3.49156  (09010419)
        466491.60   3808994.71        3.37879  (09010419)               466547.58
3808994.71        3.27095  (09010419)
        466603.56   3808994.71        3.16006  (09010419)               466659.54
3808994.71        3.05010  (09010419)
        466715.52   3808994.71        2.95163  (09010419)               466771.50
3808994.71        2.84706  (09010419)
        466827.48   3808994.71        2.74596  (09010419)               466883.46
3808994.71        2.65253  (09010419)
        465763.86   3809060.93        4.99276  (09120320)               465819.84
3809060.93        4.87105  (09120320)
        465875.82   3809060.93        4.75359  (09120320)               465931.80
3809060.93        4.63116  (09120320)
        465987.78   3809060.93        4.50246  (09120320)               466043.76
3809060.93        4.36807  (09120320)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                  PAGE  95
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466099.74	3809060.93	4.21034	(09120320)	466155.72	3809060.93	4.06276	(09120320)
466211.70	3809060.93	3.91162	(09120320)	466267.68	3809060.93	3.76521	(09120320)
466323.66	3809060.93	3.63477	(09010419)	466379.64	3809060.93	3.54254	(09010419)
466435.62	3809060.93	3.45567	(09010419)	466491.60	3809060.93	3.36617	(09010419)
466547.58	3809060.93	3.27201	(09010419)	466603.56	3809060.93	3.18117	(09010419)
466659.54	3809060.93	3.09559	(09010419)	466715.52	3809060.93	3.00268	(09010419)
466771.50	3809060.93	2.91214	(09010419)	466827.48	3809060.93	2.82512	(09010419)
466883.46	3809060.93	2.74087	(09010419)	465763.86	3809127.15	5.05906	(10021420)
465819.84	3809127.15	4.77031	(10021420)	465875.82	3809127.15	4.49133	(10021420)
465931.80	3809127.15	4.38504	(09120320)	465987.78	3809127.15	4.30132	(09120320)
466043.76	3809127.15	4.19260	(09120320)	466099.74	3809127.15	4.07935	(09120320)
466155.72	3809127.15	3.96966	(09120320)	466211.70	3809127.15	3.87572	(09120320)
466267.68	3809127.15	3.76805	(09120320)	466323.66	3809127.15	3.65395	(09120320)
466379.64	3809127.15	3.53462	(09120320)	466435.62	3809127.15	3.41902	(09120320)
466491.60	3809127.15	3.30399	(09120320)	466547.58	3809127.15	3.19085	(09120320)
466603.56	3809127.15	3.11197	(09010419)	466659.54	3809127.15	3.03978	(09010419)
466715.52	3809127.15	2.96948	(09010419)	466771.50	3809127.15	2.89781	(09010419)
466827.48	3809127.15	2.82456	(09010419)	466883.46	3809127.15	2.75542	(09010419)
465763.86	3809193.37	5.17931	(10021420)	465819.84	3809193.37	4.96364	(10021420)
465875.82	3809193.37	4.72915	(10021420)	465931.80	3809193.37	4.48681	(10021420)
465987.78	3809193.37	4.22996	(10021420)	466043.76			

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3809193.37        3.95726  (10021420)
        466099.74   3809193.37        3.82189  (09120320)                466155.72
3809193.37        3.75938  (09120320)
        466211.70   3809193.37        3.70132  (09120320)                466267.68
3809193.37        3.63630  (09120320)
        466323.66   3809193.37        3.56113  (09120320)                466379.64
3809193.37        3.47984  (09120320)
        466435.62   3809193.37        3.38980  (09120320)                466491.60
3809193.37        3.30000  (09120320)
        466547.58   3809193.37        3.20871  (09120320)                466603.56
3809193.37        3.11937  (09120320)
        466659.54   3809193.37        3.02389  (09120320)                466715.52
3809193.37        2.93283  (09120320)
        466771.50   3809193.37        2.83811  (09120320)                466827.48
3809193.37        2.75276  (09010419)
        466883.46   3809193.37        2.69779  (09010419)                465763.86
3809259.59        5.07226  (10021420)
        465819.84   3809259.59        4.92827  (10021420)                465875.82
3809259.59        4.75667  (10021420)
        465931.80   3809259.59        4.57296  (10021420)                465987.78
3809259.59        4.36138  (10021420)
        466043.76   3809259.59        4.14665  (10021420)                466099.74
3809259.59        3.93799  (10021420)
        466155.72   3809259.59        3.75272  (10021420)                466211.70
3809259.59        3.56783  (10021420)
        466267.68   3809259.59        3.40832  (09120320)                466323.66
3809259.59        3.36180  (09120320)
        466379.64   3809259.59        3.31339  (09120320)                466435.62
3809259.59        3.25999  (09120320)
        466491.60   3809259.59        3.19742  (09120320)                466547.58
3809259.59        3.13663  (09120320)
        466603.56   3809259.59        3.06741  (09120320)                466659.54
3809259.59        2.99587  (09120320)
        466715.52   3809259.59        2.92745  (09120320)                466771.50
3809259.59        2.85064  (09120320)
        466827.48   3809259.59        2.77550  (09120320)                466883.46
3809259.59        2.69878  (09120320)
        464503.41   3807141.91       21.05445  (10112518)                464523.41
3807141.91       21.32919  (10112518)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                 PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
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, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464543.41   3807141.91       21.52521  (10112518)               464563.41
3807141.91       21.56378  (10112518)
        464583.41   3807141.91       21.22932  (10112518)               464603.41
3807141.91       20.81820  (10112518)
        464623.41   3807141.91       20.26587  (10112518)               464643.41
3807141.91       19.43225  (10112518)
        464663.41   3807141.91       19.45014  (09011918)               464683.41
3807141.91       19.85930  (09011918)
        464703.41   3807141.91       19.93800  (09011918)               464723.41
3807141.91       20.03413  (09011918)
        464743.41   3807141.91       20.06407  (09011918)               464763.41
3807141.91       19.87491  (09011918)
        464783.41   3807141.91       19.57804  (09011918)               464803.41
3807141.91       19.11233  (09011918)
        464823.41   3807141.91       18.27972  (09011918)               464843.41
3807141.91       17.52737  (09011918)
        464863.41   3807141.91       16.75587  (09011918)               464883.41
3807141.91       15.84739  (09011918)
        464903.41   3807141.91       14.77259  (09011918)               464923.41
3807141.91       13.66333  (09011918)
        464503.41   3807161.91       21.59887  (10112518)               464523.41
3807161.91       21.79687  (10112518)
        464543.41   3807161.91       21.90809  (10112518)               464563.41
3807161.91       21.85490  (10112518)
        464583.41   3807161.91       21.42913  (10112518)               464603.41
3807161.91       20.81587  (10112518)
        464623.41   3807161.91       20.06335  (10112518)               464643.41
3807161.91       19.57434  (09011918)
        464663.41   3807161.91       19.95228  (09011918)               464683.41
3807161.91       20.11546  (09011918)
        464703.41   3807161.91       20.32708  (09011918)               464723.41
3807161.91       20.41425  (09011918)
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        464743.41   3807161.91       20.30049  (09011918)               464763.41
3807161.91       19.74344  (09011918)
        464783.41   3807161.91       19.27727  (09011918)               464803.41
3807161.91       18.76900  (09011918)
        464823.41   3807161.91       18.09174  (09011918)               464843.41
3807161.91       17.33267  (09011918)
        464863.41   3807161.91       16.44336  (09011918)               464883.41
3807161.91       15.28722  (09011918)
        464903.41   3807161.91       14.24391  (09011918)               464923.41
3807161.91       13.21103  (09011918)
        464503.41   3807181.91       22.00833  (10112518)               464523.41
3807181.91       22.20134  (10112518)
        464543.41   3807181.91       22.18504  (10112518)               464563.41
3807181.91       21.96304  (10112518)
        464583.41   3807181.91       21.54593  (10112518)               464603.41
3807181.91       20.85684  (10112518)
        464623.41   3807181.91       19.98937  (10112518)               464643.41
3807181.91       20.25133  (09011918)
        464663.41   3807181.91       20.53142  (09011918)               464683.41
3807181.91       20.56769  (09011918)
        464703.41   3807181.91       20.73782  (09011918)               464723.41
3807181.91       20.60353  (09011918)
        464743.41   3807181.91       20.24224  (09011918)               464763.41
3807181.91       19.73496  (09011918)
        464783.41   3807181.91       19.22077  (09011918)               464803.41
3807181.91       18.59551  (09011918)
        464823.41   3807181.91       17.69230  (09011918)               464843.41
3807181.91       16.82471  (09011918)
        464863.41   3807181.91       15.90982  (09011918)               464883.41
3807181.91       14.82282  (09011918)
        464903.41   3807181.91       13.71172  (09011918)               464923.41
3807181.91       12.60668  (09011918)
        464503.41   3807201.91       22.38929  (10112518)               464523.41
3807201.91       22.57794  (10112518)
        464543.41   3807201.91       22.43172  (10112518)               464563.41
3807201.91       22.02961  (10112518)
        464583.41   3807201.91       21.57462  (10112518)               464603.41
3807201.91       20.83398  (10112518)
        464623.41   3807201.91       20.33487  (09011918)               464643.41
3807201.91       20.84308  (09011918)
        464663.41   3807201.91       21.04689  (09011918)               464683.41
3807201.91       21.03297  (09011918)
        464703.41   3807201.91       21.02852  (09011918)               464723.41
3807201.91       20.68338  (09011918)
        464743.41   3807201.91       20.14751  (09011918)               464763.41
3807201.91       19.74204  (09011918)
        464783.41   3807201.91       19.13456  (09011918)               464803.41
3807201.91       18.33654  (09011918)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
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*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464823.41	3807201.91	17.25639	(09011918)	464843.41	3807201.91	16.25297	(09011918)
464863.41	3807201.91	15.27436	(09011918)	464883.41	3807201.91	14.29369	(09011918)
464903.41	3807201.91	13.15367	(09011918)	464923.41	3807201.91	12.00397	(09011918)
464503.41	3807221.91	22.85174	(10112518)	464523.41	3807221.91	22.94610	(10112518)
464543.41	3807221.91	22.70276	(10112518)	464563.41	3807221.91	22.17437	(10112518)
464583.41	3807221.91	21.45571	(10112518)	464603.41	3807221.91	20.67237	(10112518)
464623.41	3807221.91	21.00716	(09011918)	464643.41	3807221.91	21.19969	(09011918)
464663.41	3807221.91	21.37315	(09011918)	464683.41	3807221.91	21.41495	(09011918)
464703.41	3807221.91	21.02418	(09011918)	464723.41	3807221.91	20.66428	(09011918)
464743.41	3807221.91	20.26163	(09011918)	464763.41	3807221.91	19.74824	(09011918)
464783.41	3807221.91	18.86348	(09011918)	464803.41	3807221.91	17.81458	(09011918)
464823.41	3807221.91	16.91575	(09011918)	464843.41			

3807221.91 15.77379 (09011918)
464863.41 3807221.91 14.58255 (09011918) 464883.41
3807221.91 13.59920 (09011918)
464903.41 3807221.91 12.56208 (09011918) 464923.41
3807221.91 11.49790 (09011918)
464503.41 3807241.91 23.26358 (10112518) 464523.41
3807241.91 23.15879 (10112518)
464543.41 3807241.91 22.84104 (10112518) 464563.41
3807241.91 22.29659 (10112518)
464583.41 3807241.91 21.44466 (10112518) 464603.41
3807241.91 21.16779 (09011918)
464623.41 3807241.91 21.67869 (09011918) 464643.41
3807241.91 21.72582 (09011918)
464663.41 3807241.91 21.67079 (09011918) 464683.41
3807241.91 21.49397 (09011918)
464703.41 3807241.91 21.14760 (09011918) 464723.41
3807241.91 20.77784 (09011918)
464743.41 3807241.91 20.27290 (09011918) 464763.41
3807241.91 19.44100 (09011918)
464783.41 3807241.91 18.50365 (09011918) 464803.41
3807241.91 17.47912 (09011918)
464823.41 3807241.91 16.36992 (09011918) 464843.41
3807241.91 15.23203 (09011918)
464863.41 3807241.91 14.10790 (09011918) 464883.41
3807241.91 13.08907 (09011918)
464903.41 3807241.91 11.96993 (09011918) 464923.41
3807241.91 10.87026 (09011918)
464503.41 3807261.91 23.64110 (10112518) 464523.41
3807261.91 23.33481 (10112518)
464543.41 3807261.91 22.94162 (10112518) 464563.41
3807261.91 22.37182 (10112518)
464583.41 3807261.91 21.41931 (10112518) 464603.41
3807261.91 21.85484 (09011918)
464623.41 3807261.91 22.22919 (09011918) 464643.41
3807261.91 22.23893 (09011918)
464663.41 3807261.91 21.96879 (09011918) 464683.41
3807261.91 21.53233 (09011918)
464703.41 3807261.91 21.28887 (09011918) 464723.41
3807261.91 20.81407 (09011918)
464743.41 3807261.91 20.11204 (09011918) 464763.41
3807261.91 19.06868 (09011918)
464783.41 3807261.91 18.08697 (09011918) 464803.41
3807261.91 17.06243 (09011918)
464823.41 3807261.91 15.79952 (09011918) 464843.41
3807261.91 14.65292 (09011918)
464863.41 3807261.91 13.55941 (09011918) 464883.41
3807261.91 12.52260 (09011918)
464903.41 3807261.91 11.35123 (09011918) 464923.41
3807261.91 10.13463 (09011918)
464503.41 3807281.91 23.99147 (10112518) 464523.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

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        464503.41   3807301.91       24.17033  (10112518)               464523.41
3807301.91       23.74532  (10112518)
        464543.41   3807301.91       23.08783  (10112518)               464563.41
3807301.91       22.32613  (09011918)
        464583.41   3807301.91       22.82956  (09011918)               464603.41
3807301.91       23.01923  (09011918)
        464623.41   3807301.91       22.97852  (09011918)               464643.41
3807301.91       23.04788  (09011918)
        464663.41   3807301.91       22.65154  (09011918)               464683.41
3807301.91       21.98713  (09011918)
        464703.41   3807301.91       21.50357  (09011918)               464723.41
3807301.91       20.56877  (09011918)
        464743.41   3807301.91       19.39541  (09011918)               464763.41
3807301.91       18.29076  (09011918)
        464783.41   3807301.91       17.12532  (09011918)               464803.41
3807301.91       15.95003  (09011918)
        464823.41   3807301.91       14.88391  (09011918)               464843.41
3807301.91       13.57338  (09011918)
        464863.41   3807301.91       12.21671  (09011918)               464883.41
3807301.91       10.98644  (09011918)
        464903.41   3807301.91        9.91582  (09011918)               464923.41
3807301.91        8.94304  (09011918)
        464503.41   3807321.91       24.30858  (10112518)               464523.41
3807321.91       23.86441  (10112518)
        464543.41   3807321.91       23.05473  (10112518)               464563.41
3807321.91       22.95322  (09011918)
        464583.41   3807321.91       23.49345  (09011918)               464603.41
3807321.91       23.62072  (09011918)
        464623.41   3807321.91       23.46517  (09011918)               464643.41
3807321.91       23.41271  (09011918)
        464663.41   3807321.91       22.89347  (09011918)               464683.41
3807321.91       22.09696  (09011918)
        464703.41   3807321.91       21.40723  (09011918)               464723.41
3807321.91       20.38828  (09011918)
        464743.41   3807321.91       19.16119  (09011918)               464763.41
3807321.91       17.76946  (09011918)
        464783.41   3807321.91       16.60865  (09011918)               464803.41
3807321.91       15.52127  (09011918)
        464823.41   3807321.91       14.33659  (09011918)               464843.41
3807321.91       13.00186  (09011918)
        464863.41   3807321.91       11.54714  (09011918)               464883.41
3807321.91       10.34829  (09011918)
        464903.41   3807321.91        9.36685  (09011918)               464923.41
3807321.91        8.49485  (09011918)
        464503.41   3807341.91       24.52823  (10112518)               464523.41
3807341.91       23.95982  (10112518)
        464543.41   3807341.91       23.32172  (09011918)               464563.41
3807341.91       23.72033  (09011918)
        464583.41   3807341.91       24.15667  (09011918)               464603.41
3807341.91       24.16797  (09011918)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464503.41   3807361.91   24.67671 (10112518)   464523.41   3807361.91   23.87940 (10112518)
        464543.41   3807361.91   24.03360 (09011918)   464563.41   3807361.91   24.44486 (09011918)
        464583.41   3807361.91   24.76672 (09011918)   464603.41

3807361.91 24.65381 (09011918)
464623.41 3807361.91 24.21319 (09011918) 464643.41
3807361.91 23.69165 (09011918)
464663.41 3807361.91 22.97768 (09011918) 464683.41
3807361.91 22.05549 (09011918)
464703.41 3807361.91 20.78878 (09011918) 464723.41
3807361.91 19.53360 (09011918)
464743.41 3807361.91 18.26979 (09011918) 464763.41
3807361.91 16.96255 (09011918)
464783.41 3807361.91 15.59915 (09011918) 464803.41
3807361.91 14.23736 (09011918)
464823.41 3807361.91 12.64118 (09011918) 464843.41
3807361.91 11.38652 (09011918)
464863.41 3807361.91 10.28573 (09011918) 464883.41
3807361.91 9.34858 (09011918)
464903.41 3807361.91 8.23968 (09011918) 464923.41
3807361.91 7.33819 (09011918)
464503.41 3807381.91 24.72005 (10112518) 464523.41
3807381.91 24.17027 (09011918)
464543.41 3807381.91 24.70682 (09011918) 464563.41
3807381.91 25.11003 (09011918)
464583.41 3807381.91 25.24554 (09011918) 464603.41
3807381.91 25.01441 (09011918)
464623.41 3807381.91 24.46781 (09011918) 464643.41
3807381.91 23.61272 (09011918)
464663.41 3807381.91 22.77569 (09011918) 464683.41
3807381.91 21.83327 (09011918)
464703.41 3807381.91 20.54606 (09011918) 464723.41
3807381.91 19.09379 (09011918)
464743.41 3807381.91 17.61378 (09011918) 464763.41
3807381.91 16.36716 (09011918)
464783.41 3807381.91 14.94398 (09011918) 464803.41
3807381.91 13.45363 (09011918)
464823.41 3807381.91 11.90599 (09011918) 464843.41
3807381.91 10.78354 (09011918)
464863.41 3807381.91 9.80460 (09011918) 464883.41
3807381.91 8.78106 (09011918)
464903.41 3807381.91 7.70022 (09011918) 464923.41
3807381.91 6.52385 (09011918)
464503.41 3807401.91 24.58984 (10112518) 464523.41
3807401.91 24.95478 (09011918)
464543.41 3807401.91 25.44651 (09011918) 464563.41
3807401.91 25.68943 (09011918)
464583.41 3807401.91 25.46058 (09011918) 464603.41
3807401.91 25.16012 (09011918)
464623.41 3807401.91 24.67042 (09011918) 464643.41
3807401.91 23.68189 (09011918)
464663.41 3807401.91 22.52320 (09011918) 464683.41
3807401.91 21.27901 (09011918)
464703.41 3807401.91 20.15983 (09011918) 464723.41

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3807401.91       18.71537  (09011918)
        464743.41   3807401.91       17.13141  (09011918)                464763.41
3807401.91       15.56840  (09011918)
        464783.41   3807401.91       14.23917  (09011918)                464803.41
3807401.91       12.93228  (09011918)
        464823.41   3807401.91       11.42719  (09011918)                464843.41
3807401.91       10.29903  (09011918)
        464863.41   3807401.91        9.25419  (09011918)                464883.41
3807401.91        8.03581  (09011918)
        464903.41   3807401.91        7.16925  (09011918)                464923.41
3807401.91        6.44210  (09030119)
        464503.41   3807421.91       25.14765  (09011918)                464523.41
3807421.91       25.74706  (09011918)
        464543.41   3807421.91       26.01908  (09011918)                464563.41
3807421.91       26.00396  (09011918)
        464583.41   3807421.91       25.75423  (09011918)                464603.41
3807421.91       25.25225  (09011918)
        464623.41   3807421.91       24.52054  (09011918)                464643.41
3807421.91       23.59111  (09011918)
        464663.41   3807421.91       22.34152  (09011918)                464683.41
3807421.91       20.90881  (09011918)
        464703.41   3807421.91       19.53553  (09011918)                464723.41
3807421.91       18.10713  (09011918)
        464743.41   3807421.91       16.62653  (09011918)                464763.41
3807421.91       15.00143  (09011918)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                   PAGE 100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464783.41	3807421.91	13.43098	(09011918)	464803.41	3807421.91	12.09895	(09011918)
464823.41	3807421.91	10.86175	(09011918)	464843.41	3807421.91	9.52548	(09011918)
464863.41	3807421.91	8.47974	(09011918)	464883.41	3807421.91	7.52976	(09011918)
464903.41	3807421.91	6.24896	(09030119)	464923.41	3807421.91	6.31527	(09030119)
464503.41	3807441.91	26.01093	(09011918)	464523.41	3807441.91	26.43293	(09011918)
464543.41	3807441.91	26.48307	(09011918)	464563.41	3807441.91	26.24718	(09011918)
464583.41	3807441.91	25.94963	(09011918)	464603.41	3807441.91	25.24962	(09011918)
464623.41	3807441.91	24.29075	(09011918)	464643.41	3807441.91	23.33607	(09011918)
464663.41	3807441.91	22.04278	(09011918)	464683.41	3807441.91	20.54124	(09011918)
464703.41	3807441.91	18.89304	(09011918)	464723.41	3807441.91	17.41770	(09011918)
464743.41	3807441.91	15.98151	(09011918)	464763.41	3807441.91	14.41946	(09011918)
464783.41	3807441.91	12.77279	(09011918)	464803.41	3807441.91	11.36323	(09011918)
464823.41	3807441.91	10.28971	(09011918)	464843.41	3807441.91	8.95986	(09011918)
464863.41	3807441.91	7.60864	(09011918)	464883.41	3807441.91	6.97280	(09030119)
464903.41	3807441.91	6.53910	(09030119)	464923.41	3807441.91	6.50543	(09030119)
464503.41	3807461.91	26.79975	(09011918)	464523.41	3807461.91	26.86515	(09011918)
464543.41	3807461.91	26.84063	(09011918)	464563.41	3807461.91	26.61121	(09011918)
464583.41	3807461.91	25.88595	(09011918)	464603.41	3807461.91	25.12315	(09011918)
464623.41	3807461.91	24.19368	(09011918)	464643.41	3807461.91	22.82294	(09011918)
464663.41	3807461.91	21.50916	(09011918)	464683.41	3807461.91	20.11682	(09011918)
464703.41	3807461.91	18.40133	(09011918)	464723.41	3807461.91	16.70947	(09011918)
464743.41	3807461.91	15.11485	(09011918)	464763.41	3807461.91	13.74714	(09011918)
464783.41	3807461.91	12.20998	(09011918)	464803.41	3807461.91	10.82556	(09011918)

```
        464823.41   3807461.91        9.73454  (09011918)               464843.41
3807461.91        8.47686  (09011918)
        464863.41   3807461.91        7.21147  (09011918)               464883.41
3807461.91        7.39966  (09030119)
        464903.41   3807461.91        6.88067  (09030119)               464923.41
3807461.91        6.81050  (09030119)
        464503.41   3807481.91       27.56458  (09011918)               464523.41
3807481.91       27.44463  (09011918)
        464543.41   3807481.91       27.14613  (09011918)               464563.41
3807481.91       26.65173  (09011918)
        464583.41   3807481.91       25.91831  (09011918)               464603.41
3807481.91       24.93940  (09011918)
        464623.41   3807481.91       23.75601  (09011918)               464643.41
3807481.91       22.41609  (09011918)
        464663.41   3807481.91       20.93612  (09011918)               464683.41
3807481.91       19.37142  (09011918)
        464703.41   3807481.91       17.77615  (09011918)               464723.41
3807481.91       16.08674  (09011918)
        464743.41   3807481.91       14.43779  (09011918)               464763.41
3807481.91       13.08573  (09011918)
        464783.41   3807481.91       11.60525  (09011918)               464803.41
3807481.91       10.25495  (09011918)
        464823.41   3807481.91        9.15594  (09011918)               464843.41
3807481.91        8.09956  (09030119)
        464863.41   3807481.91        7.45886  (09030119)               464883.41
3807481.91        7.08021  (09030119)
        464903.41   3807481.91        7.14494  (09030119)               464923.41
3807481.91        7.02187  (09030119)
        464503.41   3807501.91       28.17886  (09011918)               464523.41
3807501.91       27.89583  (09011918)
        464543.41   3807501.91       27.35611  (09011918)               464563.41
3807501.91       26.61051  (09011918)
        464583.41   3807501.91       25.83725  (09011918)               464603.41
3807501.91       24.65379  (09011918)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                  PAGE 101
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
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L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464623.41	3807501.91	23.24783	(09011918)	464643.41	3807501.91	21.90675	(09011918)
464663.41	3807501.91	20.28601	(09011918)	464683.41	3807501.91	18.59003	(09011918)
464703.41	3807501.91	17.04099	(09011918)	464723.41	3807501.91	15.39282	(09011918)
464743.41	3807501.91	13.78132	(09011918)	464763.41	3807501.91	12.35992	(09011918)
464783.41	3807501.91	10.93629	(09011918)	464803.41	3807501.91	9.65323	(09011918)
464823.41	3807501.91	9.05258	(09030119)	464843.41	3807501.91	8.60402	(09030119)
464863.41	3807501.91	7.80663	(09030119)	464883.41	3807501.91	7.32629	(09030119)
464903.41	3807501.91	7.32874	(09030119)	464923.41	3807501.91	7.13652	(09030119)
464503.41	3807521.91	28.47412	(09011918)	464523.41	3807521.91	27.97547	(09011918)
464543.41	3807521.91	27.43710	(09011918)	464563.41	3807521.91	26.71263	(09011918)
464583.41	3807521.91	25.46560	(09011918)	464603.41	3807521.91	24.23811	(09011918)
464623.41	3807521.91	22.88672	(09011918)	464643.41	3807521.91	21.15089	(09011918)
464663.41	3807521.91	19.54378	(09011918)	464683.41	3807521.91	17.93751	(09011918)
464703.41	3807521.91	16.15119	(09011918)	464723.41	3807521.91	14.56295	(09011918)
464743.41	3807521.91	13.06099	(09011918)	464763.41	3807521.91	11.50688	(09011918)
464783.41	3807521.91	10.20242	(09011918)	464803.41	3807521.91	9.44219	(09030119)
464823.41	3807521.91	8.77735	(09030119)	464843.41	3807521.91	8.90765	(09030119)
464863.41	3807521.91	8.24665	(09030119)	464883.41	3807521.91	7.67616	(09030119)
464903.41	3807521.91	7.65008	(09030119)	464923.41			

```
3807521.91        7.41148  (09030119)
        464503.41   3807541.91       28.68155  (09011918)                464523.41
3807541.91       28.21411  (09011918)
        464543.41   3807541.91       27.45685  (09011918)                464563.41
3807541.91       26.44062  (09011918)
        464583.41   3807541.91       25.20811  (09011918)                464603.41
3807541.91       23.76949  (09011918)
        464623.41   3807541.91       22.18340  (09011918)                464643.41
3807541.91       20.51213  (09011918)
        464663.41   3807541.91       18.78693  (09011918)                464683.41
3807541.91       17.05666  (09011918)
        464703.41   3807541.91       15.36713  (09011918)                464723.41
3807541.91       13.69471  (09011918)
        464743.41   3807541.91       12.18453  (09011918)                464763.41
3807541.91       10.78299  (09011918)
        464783.41   3807541.91        9.91511  (09030119)                464803.41
3807541.91       10.13778  (09030119)
        464823.41   3807541.91        9.29534  (09030119)                464843.41
3807541.91        7.97594  (09030119)
        464863.41   3807541.91        7.97124  (09030119)                464883.41
3807541.91        7.99821  (09030119)
        464903.41   3807541.91        7.47772  (09030119)                464923.41
3807541.91        7.43277  (09030119)
        464503.41   3807561.91       28.87423  (09011918)                464523.41
3807561.91       28.35639  (09011918)
        464543.41   3807561.91       27.36546  (09011918)                464563.41
3807561.91       26.08271  (09011918)
        464583.41   3807561.91       24.82935  (09011918)                464603.41
3807561.91       23.20203  (09011918)
        464623.41   3807561.91       21.42834  (09011918)                464643.41
3807561.91       19.79064  (09011918)
        464663.41   3807561.91       17.97221  (09011918)                464683.41
3807561.91       16.14971  (09011918)
        464703.41   3807561.91       14.54290  (09011918)                464723.41
3807561.91       12.88028  (09011918)
        464743.41   3807561.91       11.37302  (09011918)                464763.41
3807561.91       10.21766  (09030119)
        464783.41   3807561.91       10.45712  (09030119)                464803.41
3807561.91        9.99805  (09030119)
        464823.41   3807561.91        9.85846  (09030119)                464843.41
3807561.91        8.30064  (09030119)
        464863.41   3807561.91        8.12999  (09030119)                464883.41
3807561.91        8.21749  (09030119)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        13:53:49

                                  PAGE 102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464903.41	3807561.91	7.69795	(09030119)	464923.41	3807561.91	7.53528	(09030119)
464503.41	3807581.91	29.22080	(09011918)	464523.41	3807581.91	28.18601	(09011918)
464543.41	3807581.91	27.12760	(09011918)	464563.41	3807581.91	25.88879	(09011918)
464583.41	3807581.91	24.15164	(09011918)	464603.41	3807581.91	22.51310	(09011918)
464623.41	3807581.91	20.82697	(09011918)	464643.41	3807581.91	18.85265	(09011918)
464663.41	3807581.91	17.08849	(09011918)	464683.41	3807581.91	15.38948	(09011918)
464703.41	3807581.91	13.56359	(09011918)	464723.41	3807581.91	12.04438	(09011918)
464743.41	3807581.91	10.68375	(09011918)	464763.41	3807581.91	11.00204	(09030119)
464783.41	3807581.91	10.19381	(09030119)	464803.41	3807581.91	10.08243	(09030119)
464823.41	3807581.91	10.31138	(09030119)	464843.41	3807581.91	8.70544	(09030119)
464863.41	3807581.91	8.47750	(09030119)	464883.41	3807581.91	8.54675	(09030119)
464903.41	3807581.91	7.94333	(09030119)	464923.41	3807581.91	7.67111	(09030119)
464503.41	3807601.91	29.11933	(09011918)	464523.41	3807601.91	27.79469	(09011918)
464543.41	3807601.91	26.58674	(09011918)	464563.41	3807601.91	25.29236	(09011918)

464583.41 3807601.91 23.60414 (09011918) 464603.41
3807601.91 21.78909 (09011918)
464623.41 3807601.91 19.91762 (09011918) 464643.41
3807601.91 18.04469 (09011918)
464663.41 3807601.91 16.13448 (09011918) 464683.41
3807601.91 14.39205 (09011918)
464703.41 3807601.91 12.75538 (09011918) 464723.41
3807601.91 11.31284 (09011918)
464743.41 3807601.91 11.19692 (09030119) 464763.41
3807601.91 10.51799 (09030119)
464783.41 3807601.91 10.57639 (09030119) 464803.41
3807601.91 9.67653 (09030119)
464823.41 3807601.91 8.99088 (09030119) 464843.41
3807601.91 8.97011 (09030119)
464863.41 3807601.91 8.67038 (09030119) 464883.41
3807601.91 8.19578 (09030119)
464903.41 3807601.91 8.12539 (09030119) 464923.41
3807601.91 7.85252 (09030119)
464503.41 3807621.91 28.79604 (09011918) 464523.41
3807621.91 27.36611 (09011918)
464543.41 3807621.91 26.02618 (09011918) 464563.41
3807621.91 24.62088 (09011918)
464583.41 3807621.91 22.94617 (09011918) 464603.41
3807621.91 20.98580 (09011918)
464623.41 3807621.91 18.95815 (09011918) 464643.41
3807621.91 17.16464 (09011918)
464663.41 3807621.91 15.23716 (09011918) 464683.41
3807621.91 13.46905 (09011918)
464703.41 3807621.91 11.98775 (09011918) 464723.41
3807621.91 11.49783 (09030119)
464743.41 3807621.91 10.99798 (09030119) 464763.41
3807621.91 10.85302 (09030119)
464783.41 3807621.91 9.91711 (09030119) 464803.41
3807621.91 9.36657 (09030119)
464823.41 3807621.91 9.21351 (09030119) 464843.41
3807621.91 8.90434 (09030119)
464863.41 3807621.91 8.50500 (09030119) 464883.41
3807621.91 8.36074 (09030119)
464903.41 3807621.91 8.09787 (09030119) 464923.41
3807621.91 7.99097 (09031219)
464503.41 3807641.91 28.35868 (09011918) 464523.41
3807641.91 27.16169 (09011918)
464543.41 3807641.91 25.77816 (09011918) 464563.41
3807641.91 24.12848 (09011918)
464583.41 3807641.91 22.00026 (09011918) 464603.41
3807641.91 20.07956 (09011918)
464623.41 3807641.91 18.18491 (09011918) 464643.41
3807641.91 16.05744 (09011918)
464663.41 3807641.91 14.29792 (09011918) 464683.41
3807641.91 12.71228 (09011918)

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        464743.41   3807641.91   11.12021 (09030119)   464763.41
3807641.91   11.37938 (09030119)
        464783.41   3807641.91   9.60315 (09030119)   464803.41
3807641.91   9.49138 (09030119)
        464823.41   3807641.91   9.53874 (09030119)   464843.41
3807641.91   8.73929 (09030119)
        464863.41   3807641.91   8.60768 (09030119)   464883.41
3807641.91   8.54878 (09030119)
        464903.41   3807641.91   8.29085 (09031219)   464923.41
3807641.91   8.35487 (09031219)
        464503.41   3807661.91   27.60754 (09011918)   464523.41
3807661.91   26.39802 (09011918)
        464543.41   3807661.91   24.93993 (09011918)   464563.41
3807661.91   23.23979 (09011918)
        464583.41   3807661.91   21.20958 (09011918)   464603.41
3807661.91   19.05852 (09011918)
        464623.41   3807661.91   17.07030 (09011918)   464643.41
3807661.91   15.17157 (09011918)
        464663.41   3807661.91   13.21785 (09011918)   464683.41

3807661.91 11.63181 (09011918)
464703.41 3807661.91 11.52632 (09030119) 464723.41
3807661.91 11.68942 (09030119)
464743.41 3807661.91 10.69282 (09030119) 464763.41
3807661.91 9.93224 (09030119)
464783.41 3807661.91 9.90618 (09030119) 464803.41
3807661.91 9.56780 (09030119)
464823.41 3807661.91 9.03236 (09030119) 464843.41
3807661.91 8.94210 (09030119)
464863.41 3807661.91 8.64687 (09030119) 464883.41
3807661.91 8.60938 (09031219)
464903.41 3807661.91 8.67140 (09031219) 464923.41
3807661.91 8.70774 (09031219)
464503.41 3807681.91 26.29891 (09011918) 464523.41
3807681.91 25.08464 (09011918)
464543.41 3807681.91 23.63059 (09011918) 464563.41
3807681.91 21.98414 (09011918)
464583.41 3807681.91 20.19872 (09011918) 464603.41
3807681.91 18.09676 (09011918)
464623.41 3807681.91 16.02760 (09011918) 464643.41
3807681.91 14.21080 (09011918)
464663.41 3807681.91 12.30961 (09011918) 464683.41
3807681.91 10.63766 (09030119)
464703.41 3807681.91 10.38563 (09030119) 464723.41
3807681.91 10.58944 (09030119)
464743.41 3807681.91 10.36874 (09030119) 464763.41
3807681.91 10.19632 (09030119)
464783.41 3807681.91 9.84594 (09030119) 464803.41
3807681.91 9.39190 (09030119)
464823.41 3807681.91 9.21890 (09030119) 464843.41
3807681.91 8.91238 (09030119)
464863.41 3807681.91 8.94776 (09031219) 464883.41
3807681.91 9.00242 (09031219)
464903.41 3807681.91 9.03163 (09031219) 464923.41
3807681.91 9.04302 (09031219)
464523.41 3807701.91 23.83267 (09011918) 464543.41
3807701.91 22.35247 (09011918)
464563.41 3807701.91 20.70318 (09011918) 464583.41
3807701.91 18.93945 (09011918)
464603.41 3807701.91 17.06369 (09011918) 464623.41
3807701.91 15.14401 (09011918)
464643.41 3807701.91 12.99870 (09011918) 464663.41
3807701.91 11.93101 (09030119)
464683.41 3807701.91 11.10699 (09030119) 464703.41
3807701.91 10.37353 (09030119)
464723.41 3807701.91 10.41603 (09030119) 464743.41
3807701.91 10.52685 (09030119)
464763.41 3807701.91 10.57158 (09030119) 464783.41
3807701.91 9.67081 (09030119)
464803.41 3807701.91 9.51027 (09030119) 464823.41

3807701.91   9.42817 (09030119)
        464843.41   3807701.91   9.30007 (09031219)   464863.41
3807701.91   9.34780 (09031219)
        464883.41   3807701.91   9.37717 (09031219)   464903.41
3807701.91   9.40847 (10020118)
        464923.41   3807701.91   9.48401 (10020118)   464543.41
3807721.91   20.68694 (09011918)
        464563.41   3807721.91   19.91755 (09011918)   464583.41
3807721.91   18.06985 (09011918)
        464603.41   3807721.91   16.19413 (09011918)   464623.41
3807721.91   14.28188 (09011918)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464643.41   3807721.91   12.52518 (09030119)   464663.41
3807721.91   10.76054 (09030119)
        464683.41   3807721.91   10.76339 (09030119)   464703.41
3807721.91   10.79709 (09030119)
        464723.41   3807721.91   10.74285 (09030119)   464743.41
3807721.91   10.62647 (09030119)
        464763.41   3807721.91   10.01703 (09030119)   464783.41
3807721.91   9.90074 (09030119)
        464803.41   3807721.91   9.60208 (09031219)   464823.41
3807721.91   9.67538 (09031219)

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        464843.41   3807721.91        9.71894  (09031219)              464863.41
3807721.91        9.73148  (09031219)
        464883.41   3807721.91        9.80379  (10020118)              464903.41
3807721.91        9.87154  (10020118)
        464923.41   3807721.91        9.91234  (10020118)              464943.41
3807721.91        9.92652  (10020118)
        464963.41   3807721.91        9.91508  (10020118)              464983.41
3807721.91        9.87909  (10020118)
        465003.41   3807721.91        9.81923  (10020118)              465023.41
3807721.91        9.73738  (10020118)
        465043.41   3807721.91        9.63501  (10020118)              465063.41
3807721.91        9.51320  (10020118)
        465083.41   3807721.91        9.37405  (10020118)              465103.41
3807721.91        9.21974  (10020118)
        465123.41   3807721.91        9.05379  (10020118)              465143.41
3807721.91        8.87297  (10020118)
        465163.41   3807721.91        8.68064  (10020118)              465183.41
3807721.91        8.48172  (10020118)
        465203.41   3807721.91        8.27275  (10020118)              465223.41
3807721.91        8.05615  (10020118)
        465243.41   3807721.91        7.83400  (10020118)              465263.41
3807721.91        7.60809  (10020118)
        465283.41   3807721.91        7.38014  (10020118)              465303.41
3807721.91        7.15311  (10020118)
        465323.41   3807721.91        6.92303  (10020118)              465343.41
3807721.91        6.69275  (10020118)
        465363.41   3807721.91        6.46631  (10020118)              465383.41
3807721.91        6.23974  (10020118)
        464543.41   3807741.91       17.55055  (09011918)              464563.41
3807741.91       18.41663  (09011918)
        464583.41   3807741.91       16.81367  (09011918)              464603.41
3807741.91       15.04084  (09011918)
        464623.41   3807741.91       13.51629  (09030119)              464643.41
3807741.91       13.18261  (09030119)
        464663.41   3807741.91       11.20091  (09030119)              464683.41
3807741.91       11.04722  (09030119)
        464703.41   3807741.91       11.14659  (09030119)              464723.41
3807741.91       10.96086  (09030119)
        464743.41   3807741.91       10.43956  (09030119)              464763.41
3807741.91       10.22975  (09030119)
        464783.41   3807741.91       10.00268  (09031219)              464803.41
3807741.91       10.07527  (09031219)
        464823.41   3807741.91       10.10802  (09031219)              464843.41
3807741.91       10.13314  (10020118)
        464863.41   3807741.91       10.22083  (10020118)              464883.41
3807741.91       10.27939  (10020118)
        464903.41   3807741.91       10.30919  (10020118)              464923.41
3807741.91       10.31127  (10020118)
        464943.41   3807741.91       10.28468  (10020118)              464963.41
3807741.91       10.23369  (10020118)
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        464983.41   3807741.91       10.15885  (10020118)               465003.41
3807741.91       10.05739  (10020118)
        465023.41   3807741.91        9.93702  (10020118)               465043.41
3807741.91        9.79804  (10020118)
        465063.41   3807741.91        9.63815  (10020118)               465083.41
3807741.91        9.46577  (10020118)
        465103.41   3807741.91        9.28089  (10020118)               465123.41
3807741.91        9.08252  (10020118)
        465143.41   3807741.91        8.87058  (10020118)               465163.41
3807741.91        8.64894  (10020118)
        465183.41   3807741.91        8.42346  (10020118)               465203.41
3807741.91        8.19286  (10020118)
        465223.41   3807741.91        7.95722  (10020118)               465243.41
3807741.91        7.71373  (10020118)
        465263.41   3807741.91        7.47195  (10020118)               465283.41
3807741.91        7.23092  (10020118)
        465303.41   3807741.91        6.98885  (10020118)               465323.41
3807741.91        6.74511  (10020118)
        465343.41   3807741.91        6.50281  (10020118)               465363.41
3807741.91        6.26653  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                  PAGE 105
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        465383.41   3807741.91        6.03431  (10020118)               464543.41
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3807761.91 12.84624 (09011918)
464563.41 3807761.91 14.33049 (09011918) 464583.41
3807761.91 14.42865 (09011918)
464603.41 3807761.91 13.77016 (09011918) 464623.41
3807761.91 13.69359 (09030119)
464643.41 3807761.91 11.59961 (09030119) 464663.41
3807761.91 11.63650 (09030119)
464683.41 3807761.91 11.57566 (09030119) 464703.41
3807761.91 11.64158 (09030119)
464723.41 3807761.91 10.77543 (09030119) 464743.41
3807761.91 10.57740 (09030119)
464763.41 3807761.91 10.47995 (09031219) 464783.41
3807761.91 10.49277 (09031219)
464803.41 3807761.91 10.51504 (09031219) 464823.41
3807761.91 10.58184 (10020118)
464843.41 3807761.91 10.66120 (10020118) 464863.41
3807761.91 10.70900 (10020118)
464883.41 3807761.91 10.72631 (10020118) 464903.41
3807761.91 10.71383 (10020118)
464923.41 3807761.91 10.67313 (10020118) 464943.41
3807761.91 10.60369 (10020118)
464963.41 3807761.91 10.51017 (10020118) 464983.41
3807761.91 10.39349 (10020118)
465003.41 3807761.91 10.25117 (10020118) 465023.41
3807761.91 10.08844 (10020118)
465043.41 3807761.91 9.90834 (10020118) 465063.41
3807761.91 9.71654 (10020118)
465083.41 3807761.91 9.51139 (10020118) 465103.41
3807761.91 9.29338 (10020118)
465123.41 3807761.91 9.05993 (10020118) 465143.41
3807761.91 8.82153 (10020118)
465163.41 3807761.91 8.57722 (10020118) 465183.41
3807761.91 8.32290 (10020118)
465203.41 3807761.91 8.06952 (10020118) 465223.41
3807761.91 7.81556 (10020118)
465243.41 3807761.91 7.55957 (10020118) 465263.41
3807761.91 7.30416 (10020118)
465283.41 3807761.91 7.04898 (10020118) 465303.41
3807761.91 6.79090 (10020118)
465323.41 3807761.91 6.53909 (10020118) 465343.41
3807761.91 6.29167 (10020118)
465363.41 3807761.91 6.04440 (10020118) 465383.41
3807761.91 5.82586 (10102019)
464543.41 3807781.91 11.21998 (09011918) 464563.41
3807781.91 10.82514 (09030119)
464583.41 3807781.91 10.98844 (09030119) 464603.41
3807781.91 11.11415 (09030119)
464623.41 3807781.91 11.64981 (09030119) 464643.41
3807781.91 11.89908 (09030119)
464663.41 3807781.91 11.30132 (09030119) 464683.41

3807781.91   11.23487 (09030119)
        464703.41   3807781.91   11.18512 (09030119)   464723.41
3807781.91   11.03853 (09030119)
        464743.41   3807781.91   10.88760 (09031219)   464763.41
3807781.91   10.93895 (09031219)
        464783.41   3807781.91   10.95372 (09031219)   464803.41
3807781.91   11.05842 (10020118)
        464823.41   3807781.91   11.12669 (10020118)   464843.41
3807781.91   11.16200 (10020118)
        464863.41   3807781.91   11.16460 (10020118)   464883.41
3807781.91   11.13567 (10020118)
        464903.41   3807781.91   11.07657 (10020118)   464923.41
3807781.91   10.98884 (10020118)
        464943.41   3807781.91   10.87464 (10020118)   464963.41
3807781.91   10.73557 (10020118)
        464983.41   3807781.91   10.57379 (10020118)   465003.41
3807781.91   10.39188 (10020118)
        465023.41   3807781.91   10.18953 (10020118)   465043.41
3807781.91   9.97074 (10020118)
        465063.41   3807781.91   9.74424 (10020118)   465083.41
3807781.91   9.50336 (10020118)
        465103.41   3807781.91   9.25160 (10020118)   465123.41
3807781.91   8.99220 (10020118)
        465143.41   3807781.91   8.72646 (10020118)   465163.41
3807781.91   8.45631 (10020118)
        465183.41   3807781.91   8.18354 (10020118)   465203.41
3807781.91   7.91201 (10020118)
        465223.41   3807781.91   7.64071 (10020118)   465243.41
3807781.91   7.36706 (10020118)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465263.41	3807781.91	7.09810	(10020118)	465283.41	3807781.91	6.83281	(10020118)
465303.41	3807781.91	6.56845	(10020118)	465323.41	3807781.91	6.30847	(10020118)
465343.41	3807781.91	6.05893	(10102019)	465363.41	3807781.91	5.90938	(10102019)
465383.41	3807781.91	5.76169	(10102019)	464543.41	3807801.91	11.29023	(09030119)
464563.41	3807801.91	11.39401	(09030119)	464583.41	3807801.91	11.44805	(09030119)
464603.41	3807801.91	11.46629	(09030119)	464623.41	3807801.91	11.50287	(09030119)
464643.41	3807801.91	11.71262	(09030119)	464663.41	3807801.91	11.66159	(09030119)
464683.41	3807801.91	11.38062	(09030119)	464703.41	3807801.91	11.27832	(09031219)
464723.41	3807801.91	11.36809	(09031219)	464743.41	3807801.91	11.41591	(09031219)
464763.41	3807801.91	11.46646	(10020118)	464783.41	3807801.91	11.56298	(10020118)
464803.41	3807801.91	11.61895	(10020118)	464823.41	3807801.91	11.63942	(10020118)
464843.41	3807801.91	11.62534	(10020118)	464863.41	3807801.91	11.57758	(10020118)
464883.41	3807801.91	11.49858	(10020118)	464903.41	3807801.91	11.38914	(10020118)
464923.41	3807801.91	11.25167	(10020118)	464943.41	3807801.91	11.09046	(10020118)
464963.41	3807801.91	10.90439	(10020118)	464983.41	3807801.91	10.69717	(10020118)
465003.41	3807801.91	10.47479	(10020118)	465023.41	3807801.91	10.23389	(10020118)
465043.41	3807801.91	9.97889	(10020118)	465063.41	3807801.91	9.71642	(10020118)
465083.41	3807801.91	9.44162	(10020118)	465103.41	3807801.91	9.15904	(10020118)
465123.41	3807801.91	8.87543	(10020118)	465143.41	3807801.91	8.58487	(10020118)
465163.41	3807801.91	8.29206	(10020118)	465183.41	3807801.91	8.00452	(10020118)
465203.41	3807801.91	7.71666	(10020118)	465223.41	3807801.91	7.42956	(10020118)

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        465243.41   3807801.91        7.14177  (10020118)               465263.41
3807801.91        6.86224  (10020118)
        465283.41   3807801.91        6.58936  (10020118)               465303.41
3807801.91        6.32073  (10020118)
        465323.41   3807801.91        6.14935  (10102019)               465343.41
3807801.91        5.98826  (10102019)
        465363.41   3807801.91        5.83194  (10102019)               465383.41
3807801.91        5.67522  (10102019)
        464543.41   3807821.91       11.85525  (09030119)               464563.41
3807821.91       11.92615  (09030119)
        464583.41   3807821.91       11.95342  (09030119)               464603.41
3807821.91       11.92610  (09030119)
        464623.41   3807821.91       11.86820  (09030119)               464643.41
3807821.91       11.86861  (09030119)
        464663.41   3807821.91       11.97243  (09030119)               464683.41
3807821.91       11.80124  (09031219)
        464703.41   3807821.91       11.90134  (09031219)               464723.41
3807821.91       11.91557  (09031219)
        464743.41   3807821.91       12.01535  (10020118)               464763.41
3807821.91       12.09796  (10020118)
        464783.41   3807821.91       12.13974  (10020118)               464803.41
3807821.91       12.14316  (10020118)
        464823.41   3807821.91       12.10993  (10020118)               464843.41
3807821.91       12.04116  (10020118)
        464863.41   3807821.91       11.93937  (10020118)               464883.41
3807821.91       11.80524  (10020118)
        464903.41   3807821.91       11.64367  (10020118)               464923.41
3807821.91       11.45664  (10020118)
        464943.41   3807821.91       11.24303  (10020118)               464963.41
3807821.91       11.01141  (10020118)
        464983.41   3807821.91       10.76266  (10020118)               465003.41
3807821.91       10.49411  (10020118)
        465023.41   3807821.91       10.21627  (10020118)               465043.41
3807821.91        9.92895  (10020118)
        465063.41   3807821.91        9.62835  (10020118)               465083.41
3807821.91        9.32579  (10020118)
        465103.41   3807821.91        9.02016  (10020118)               465123.41
3807821.91        8.70687  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                  PAGE 107
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
```

```
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465143.41   3807821.91        8.39731  (10020118)               465163.41
3807821.91        8.09096  (10020118)
        465183.41   3807821.91        7.78749  (10020118)               465203.41
3807821.91        7.48256  (10020118)
        465223.41   3807821.91        7.18082  (10020118)               465243.41
3807821.91        6.88928  (10020118)
        465263.41   3807821.91        6.60435  (10020118)               465283.41
3807821.91        6.40761  (10102019)
        465303.41   3807821.91        6.23404  (10102019)               465323.41
3807821.91        6.06435  (10102019)
        465343.41   3807821.91        5.89735  (10102019)               465363.41
3807821.91        5.73216  (10102019)
        465383.41   3807821.91        5.56459  (10102019)               464543.41
3807841.91       12.37265  (09030119)
        464563.41   3807841.91       12.39918  (09030119)               464583.41
3807841.91       12.41096  (09030119)
        464603.41   3807841.91       12.35889  (09030119)               464623.41
3807841.91       12.24318  (09030119)
        464643.41   3807841.91       12.25740  (09031219)               464663.41
3807841.91       12.35804  (09031219)
        464683.41   3807841.91       12.42225  (09031219)               464723.41
3807841.91       12.59533  (10020118)
        464743.41   3807841.91       12.66684  (10020118)               464763.41
3807841.91       12.69125  (10020118)
        464783.41   3807841.91       12.67527  (10020118)               464803.41
3807841.91       12.61989  (10020118)
        464823.41   3807841.91       12.52717  (10020118)               464843.41
3807841.91       12.39944  (10020118)
        464863.41   3807841.91       12.23917  (10020118)               464883.41
3807841.91       12.04956  (10020118)
        464903.41   3807841.91       11.83304  (10020118)               464923.41
3807841.91       11.59264  (10020118)
        464943.41   3807841.91       11.33184  (10020118)               464963.41
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3807841.91       11.05310  (10020118)
        464983.41   3807841.91       10.75936  (10020118)                465003.41
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        465023.41   3807841.91       10.13824  (10020118)                465043.41
3807841.91        9.81555  (10020118)
        465063.41   3807841.91        9.48820  (10020118)                465083.41
3807841.91        9.15772  (10020118)
        465103.41   3807841.91        8.82625  (10020118)                465123.41
3807841.91        8.49577  (10020118)
        465143.41   3807841.91        8.16726  (10020118)                465163.41
3807841.91        7.84301  (10020118)
        465183.41   3807841.91        7.52731  (10020118)                465203.41
3807841.91        7.21450  (10020118)
        465223.41   3807841.91        6.90692  (10020118)                465243.41
3807841.91        6.67595  (10102019)
        465263.41   3807841.91        6.49550  (10102019)                465283.41
3807841.91        6.31623  (10102019)
        465303.41   3807841.91        6.13485  (10102019)                465323.41
3807841.91        5.95732  (10102019)
        465343.41   3807841.91        5.78197  (10102019)                465363.41
3807841.91        5.60577  (10102019)
        465383.41   3807841.91        5.43233  (10102019)                464503.41
3807861.91       12.85190  (09030119)
        464523.41   3807861.91       12.86903  (09030119)                464543.41
3807861.91       12.85957  (09030119)
        464563.41   3807861.91       12.82787  (09030119)                464583.41
3807861.91       12.80661  (09030119)
        464603.41   3807861.91       12.73067  (09030119)                464723.41
3807861.91       13.27111  (10020118)
        464743.41   3807861.91       13.27567  (10020118)                464763.41
3807861.91       13.23651  (10020118)
        464783.41   3807861.91       13.15657  (10020118)                464803.41
3807861.91       13.03664  (10020118)
        464823.41   3807861.91       12.88056  (10020118)                464843.41
3807861.91       12.69018  (10020118)
        464863.41   3807861.91       12.46901  (10020118)                464883.41
3807861.91       12.22267  (10020118)
        464903.41   3807861.91       11.95039  (10020118)                464923.41
3807861.91       11.65703  (10020118)
        464943.41   3807861.91       11.34995  (10020118)                464963.41
3807861.91       11.02553  (10020118)
        464983.41   3807861.91       10.68915  (10020118)                465003.41
3807861.91       10.34864  (10020118)
        465023.41   3807861.91        9.99847  (10020118)                465043.41
3807861.91        9.64396  (10020118)
        465063.41   3807861.91        9.29275  (10020118)                465083.41
3807861.91        8.93806  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465103.41	3807861.91	8.58488	(10020118)	465123.41	3807861.91	8.24022	(10020118)
465143.41	3807861.91	7.89665	(10020118)	465163.41	3807861.91	7.55865	(10020118)
465183.41	3807861.91	7.23249	(10020118)	465203.41	3807861.91	6.97063	(10102019)
465223.41	3807861.91	6.77737	(10102019)	465243.41	3807861.91	6.57928	(10102019)
465263.41	3807861.91	6.38675	(10102019)	465283.41	3807861.91	6.19777	(10102019)
465303.41	3807861.91	6.00954	(10102019)	465323.41	3807861.91	5.82465	(10102019)
465343.41	3807861.91	5.64210	(10102019)	465363.41	3807861.91	5.45809	(10102019)
465383.41	3807861.91	5.28030	(10102019)	464503.41	3807881.91	13.48095	(09030119)
464523.41	3807881.91	13.43753	(09030119)	464543.41	3807881.91	13.36951	(09030119)
464723.41	3807881.91	13.89543	(10020118)	464743.41	3807881.91	13.83014	(10020118)
464763.41	3807881.91	13.72076	(10020118)	464783.41	3807881.91	13.57125	(10020118)
464803.41	3807881.91	13.38286	(10020118)	464823.41	3807881.91	13.15840	(10020118)

```
        464843.41   3807881.91       12.90425  (10020118)               464863.41
3807881.91       12.62342  (10020118)
        464883.41   3807881.91       12.31519  (10020118)               464903.41
3807881.91       11.99013  (10020118)
        464923.41   3807881.91       11.64962  (10020118)               464943.41
3807881.91       11.29084  (10020118)
        464963.41   3807881.91       10.92628  (10020118)               464983.41
3807881.91       10.55577  (10020118)
        465003.41   3807881.91       10.17504  (10020118)               465023.41
3807881.91        9.79711  (10020118)
        465043.41   3807881.91        9.42062  (10020118)               465063.41
3807881.91        9.04027  (10020118)
        465083.41   3807881.91        8.66883  (10020118)               465103.41
3807881.91        8.30399  (10020118)
        465123.41   3807881.91        7.93994  (10020118)               465143.41
3807881.91        7.58862  (10020118)
        465163.41   3807881.91        7.28674  (10102019)               465183.41
3807881.91        7.07227  (10102019)
        465203.41   3807881.91        6.86422  (10102019)               465223.41
3807881.91        6.65971  (10102019)
        465243.41   3807881.91        6.45615  (10102019)               465263.41
3807881.91        6.25572  (10102019)
        465283.41   3807881.91        6.05723  (10102019)               465303.41
3807881.91        5.85643  (10102019)
        465323.41   3807881.91        5.66397  (10102019)               465343.41
3807881.91        5.47712  (10102019)
        465363.41   3807881.91        5.29349  (10102019)               465383.41
3807881.91        5.11067  (10102019)
        464723.41   3807901.91       14.45888  (10020118)               464743.41
3807901.91       14.31600  (10020118)
        464763.41   3807901.91       14.13167  (10020118)               464783.41
3807901.91       13.90748  (10020118)
        464803.41   3807901.91       13.64762  (10020118)               464823.41
3807901.91       13.35444  (10020118)
        464843.41   3807901.91       13.03573  (10020118)               464863.41
3807901.91       12.69454  (10020118)
        464883.41   3807901.91       12.32897  (10020118)               464903.41
3807901.91       11.94934  (10020118)
        464923.41   3807901.91       11.55903  (10020118)               464943.41
3807901.91       11.16051  (10020118)
        464963.41   3807901.91       10.75971  (10020118)               464983.41
3807901.91       10.35611  (10020118)
        465003.41   3807901.91        9.94449  (10020118)               465023.41
3807901.91        9.53783  (10020118)
        465043.41   3807901.91        9.13716  (10020118)               465063.41
3807901.91        8.74270  (10020118)
        465083.41   3807901.91        8.35530  (10020118)               465103.41
3807901.91        7.97654  (10020118)
        465123.41   3807901.91        7.62964  (10102019)               465143.41
3807901.91        7.40206  (10102019)
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465283.41   3807901.91   5.88730 (10102019)   465303.41   3807901.91   5.68405 (10102019)
        465323.41   3807901.91   5.48525 (10102019)   465343.41   3807901.91   5.29192 (10102019)
        465363.41   3807901.91   5.10677 (10102019)   465383.41   3807901.91   4.92435 (10102019)
        464723.41   3807921.91   14.94172 (10020118)   464743.41   3807921.91   14.71948 (10020118)
        464763.41   3807921.91   14.45464 (10020118)   464783.41   3807921.91   14.15341 (10020118)
        464803.41   3807921.91   13.82055 (10020118)   464823.41   3807921.91   13.45919 (10020118)
        464843.41   3807921.91   13.07624 (10020118)   464863.41   3807921.91   12.67518 (10020118)
        464883.41   3807921.91   12.25534 (10020118)   464903.41

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3807921.91       11.82498  (10020118)
        464923.41   3807921.91       11.38947  (10020118)                464943.41
3807921.91       10.95709  (10020118)
        464963.41   3807921.91       10.52275  (10020118)                464983.41
3807921.91       10.08857  (10020118)
        465003.41   3807921.91        9.65215  (10020118)                465023.41
3807921.91        9.22306  (10020118)
        465043.41   3807921.91        8.80385  (10020118)                465063.41
3807921.91        8.39939  (10020118)
        465083.41   3807921.91        8.00324  (10102019)                465103.41
3807921.91        7.75549  (10102019)
        465123.41   3807921.91        7.51420  (10102019)                465143.41
3807921.91        7.27087  (10102019)
        465163.41   3807921.91        7.02967  (10102019)                465183.41
3807921.91        6.79684  (10102019)
        465203.41   3807921.91        6.56894  (10102019)                465223.41
3807921.91        6.34468  (10102019)
        465243.41   3807921.91        6.11926  (10102019)                465263.41
3807921.91        5.90239  (10102019)
        465283.41   3807921.91        5.69281  (10102019)                465303.41
3807921.91        5.48989  (10102019)
        465323.41   3807921.91        5.28823  (10102019)                465343.41
3807921.91        5.09142  (10102019)
        465363.41   3807921.91        4.90539  (10102019)                465383.41
3807921.91        4.72402  (10102019)
        464723.41   3807941.91       15.31820  (10020118)                464743.41
3807941.91       15.02283  (10020118)
        464763.41   3807941.91       14.67792  (10020118)                464783.41
3807941.91       14.29865  (10020118)
        464803.41   3807941.91       13.89159  (10020118)                464823.41
3807941.91       13.46517  (10020118)
        464843.41   3807941.91       13.01918  (10020118)                464863.41
3807941.91       12.55832  (10020118)
        464883.41   3807941.91       12.08676  (10020118)                464903.41
3807941.91       11.61619  (10020118)
        464923.41   3807941.91       11.14781  (10020118)                464943.41
3807941.91       10.68220  (10020118)
        464963.41   3807941.91       10.21537  (10020118)                464983.41
3807941.91        9.75215  (10020118)
        465003.41   3807941.91        9.29607  (10020118)                465023.41
3807941.91        8.85686  (10020118)
        465043.41   3807941.91        8.43117  (10020118)                465063.41
3807941.91        8.14078  (10102019)
        465083.41   3807941.91        7.87758  (10102019)                465103.41
3807941.91        7.61824  (10102019)
        465123.41   3807941.91        7.35591  (10102019)                465143.41
3807941.91        7.10279  (10102019)
        465163.41   3807941.91        6.85543  (10102019)                465183.41
3807941.91        6.60698  (10102019)
        465203.41   3807941.91        6.36998  (10102019)                465223.41
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3807941.91   6.14087 (10102019)
        465243.41   3807941.91   5.91657 (10102019)   465263.41
3807941.91   5.69406 (10102019)
        465283.41   3807941.91   5.47731 (10102019)   465303.41
3807941.91   5.27298 (10102019)
        465323.41   3807941.91   5.07404 (10102019)   465343.41
3807941.91   4.88143 (10102019)
        465363.41   3807941.91   4.69587 (10102019)   465383.41
3807941.91   4.51257 (10102019)
        465403.41   3807941.91   4.33471 (10102019)   465423.41
3807941.91   4.16720 (10102019)
        465443.41   3807941.91   4.00632 (10102019)   465463.41
3807941.91   3.89675 (09010519)
        465483.41   3807941.91   3.87203 (09010519)   465503.41
3807941.91   3.84751 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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        465643.41   3807941.91        3.65281  (09010519)              465663.41
3807941.91        3.62572  (09010519)
        465683.41   3807941.91        3.59576  (09010519)              465703.41
3807941.91        3.56520  (09010519)
        464723.41   3807961.91       15.55182  (10020118)              464743.41
3807961.91       15.20457  (10020118)
        464763.41   3807961.91       14.78868  (10020118)              464783.41
3807961.91       14.33471  (10020118)
        464803.41   3807961.91       13.85813  (10020118)              464823.41
3807961.91       13.36547  (10020118)
        464843.41   3807961.91       12.86288  (10020118)              464863.41
3807961.91       12.35381  (10020118)
        464883.41   3807961.91       11.83790  (10020118)              464903.41
3807961.91       11.33025  (10020118)
        464923.41   3807961.91       10.82973  (10020118)              464943.41
3807961.91       10.33187  (10020118)
        464963.41   3807961.91        9.84417  (10020118)              464983.41
3807961.91        9.36713  (10020118)
        465003.41   3807961.91        8.89822  (10020118)              465023.41
3807961.91        8.56556  (10102019)
        465043.41   3807961.91        8.28188  (10102019)              465063.41
3807961.91        7.99254  (10102019)
        465083.41   3807961.91        7.71053  (10102019)              465103.41
3807961.91        7.43522  (10102019)
        465123.41   3807961.91        7.16559  (10102019)              465143.41
3807961.91        6.90151  (10102019)
        465163.41   3807961.91        6.64370  (10102019)              465183.41
3807961.91        6.39280  (10102019)
        465203.41   3807961.91        6.14848  (10102019)              465223.41
3807961.91        5.91194  (10102019)
        465243.41   3807961.91        5.68656  (10102019)              465263.41
3807961.91        5.46538  (10102019)
        465283.41   3807961.91        5.25079  (10102019)              465303.41
3807961.91        5.04661  (10102019)
        465323.41   3807961.91        4.84664  (10102019)              465343.41
3807961.91        4.65325  (10102019)
        465363.41   3807961.91        4.47007  (10102019)              465383.41
3807961.91        4.29147  (10102019)
        465403.41   3807961.91        4.15656  (09010519)              465423.41
3807961.91        4.12540  (09010519)
        465443.41   3807961.91        4.09624  (09010519)              465463.41
3807961.91        4.07262  (09010519)
        465483.41   3807961.91        4.04040  (09010519)              465503.41
3807961.91        4.01026  (09010519)
        465523.41   3807961.91        3.98034  (09010519)              465543.41
3807961.91        3.94772  (09010519)
        465563.41   3807961.91        3.91704  (09010519)              465583.41
3807961.91        3.88658  (09010519)
        465603.41   3807961.91        3.85333  (09010519)              465623.41
3807961.91        3.82021  (09010519)
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        465643.41   3807961.91        3.78716  (09010519)               465663.41
3807961.91        3.75383  (09010519)
        465683.41   3807961.91        3.72071  (09010519)               465703.41
3807961.91        3.68829  (09010519)
        464743.41   3807981.91       15.24684  (10020118)               464763.41
3807981.91       14.77279  (10020118)
        464783.41   3807981.91       14.25346  (10020118)               464803.41
3807981.91       13.71362  (10020118)
        464823.41   3807981.91       13.15865  (10020118)               464843.41
3807981.91       12.60613  (10020118)
        464863.41   3807981.91       12.05635  (10020118)               464883.41
3807981.91       11.50296  (10020118)
        464903.41   3807981.91       10.96434  (10020118)               464923.41
3807981.91       10.43826  (10020118)
        464943.41   3807981.91        9.91780  (10020118)               464963.41
3807981.91        9.41600  (10020118)
        464983.41   3807981.91        9.02930  (10102019)               465003.41
3807981.91        8.71343  (10102019)
        465023.41   3807981.91        8.40558  (10102019)               465043.41
3807981.91        8.10358  (10102019)
        465063.41   3807981.91        7.80190  (10102019)               465083.41
3807981.91        7.50478  (10102019)
        465103.41   3807981.91        7.21574  (10102019)               465123.41
3807981.91        6.94288  (10102019)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                  PAGE 111
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
```

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Y-COORD (M)        CONC     (YYMMDDHH)
 - - -
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```
3808001.91        6.69051  (10102019)
        465143.41   3808001.91        6.41423  (10102019)                465163.41
3808001.91        6.14424  (10102019)
        465183.41   3808001.91        5.88470  (10102019)                465203.41
3808001.91        5.63948  (10102019)
        465223.41   3808001.91        5.40592  (10102019)                465243.41
3808001.91        5.18209  (10102019)
        465263.41   3808001.91        4.96682  (10102019)                465283.41
3808001.91        4.78166  (09010519)
        465303.41   3808001.91        4.73696  (09010519)                465323.41
3808001.91        4.69601  (09010519)
        465343.41   3808001.91        4.65571  (09010519)                465363.41
3808001.91        4.60998  (09010519)
        465383.41   3808001.91        4.56909  (09010519)                465403.41
3808001.91        4.53000  (09010519)
        465423.41   3808001.91        4.48986  (09010519)                465443.41
3808001.91        4.45033  (09010519)
        465463.41   3808001.91        4.41252  (09010519)                465483.41
3808001.91        4.37201  (09010519)
        465503.41   3808001.91        4.33227  (09010519)                465523.41
3808001.91        4.29181  (09010519)
        465543.41   3808001.91        4.24639  (09010519)                465563.41
3808001.91        4.20525  (09010519)
        465583.41   3808001.91        4.16618  (09010519)                465603.41
3808001.91        4.12631  (09010519)
        465623.41   3808001.91        4.08334  (09010519)                465643.41
3808001.91        4.04000  (09010519)
        465663.41   3808001.91        4.00088  (09010519)                465683.41
3808001.91        3.96270  (09010519)
        465703.41   3808001.91        3.92407  (09010519)                464763.41
3808021.91       14.28517  (10020118)
        464783.41   3808021.91       13.67937  (10020118)                464803.41
3808021.91       13.05890  (10020118)
```


*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
L0000022   , L0000023   , L0000024   , L0000025   , L0000026

, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464823.41	3808021.91	12.42290	(10020118)	464843.41	3808021.91	11.79870	(10020118)
464863.41	3808021.91	11.18821	(10020118)	464883.41	3808021.91	10.59085	(10020118)
464903.41	3808021.91	10.07065	(10102019)	464923.41	3808021.91	9.69687	(10102019)
464943.41	3808021.91	9.33411	(10102019)	464963.41	3808021.91	8.97414	(10102019)
464983.41	3808021.91	8.61996	(10102019)	465003.41	3808021.91	8.27363	(10102019)
465023.41	3808021.91	7.93716	(10102019)	465043.41	3808021.91	7.61036	(10102019)
465063.41	3808021.91	7.29308	(10102019)	465083.41	3808021.91	6.98644	(10102019)
465103.41	3808021.91	6.69040	(10102019)	465123.41	3808021.91	6.40443	(10102019)
465143.41	3808021.91	6.12931	(10102019)	465163.41	3808021.91	5.86409	(10102019)
465183.41	3808021.91	5.60490	(10102019)	465203.41	3808021.91	5.36259	(10102019)
465223.41	3808021.91	5.14483	(09010519)	465243.41	3808021.91	5.09608	(09010519)
465263.41	3808021.91	5.05019	(09010519)	465283.41	3808021.91	5.00489	(09010519)
465303.41	3808021.91	4.95564	(09010519)	465323.41	3808021.91	4.90596	(09010519)
465343.41	3808021.91	4.85619	(09010519)	465363.41	3808021.91	4.80667	(09010519)
465383.41	3808021.91	4.76010	(09010519)	465403.41	3808021.91	4.71407	(09010519)
465423.41	3808021.91	4.66435	(09010519)	465443.41	3808021.91	4.61774	(09010519)
465463.41	3808021.91	4.57851	(09010519)	465483.41	3808021.91	4.52936	(09010519)
465503.41	3808021.91	4.48332	(09010519)	465523.41	3808021.91	4.43810	(09010519)
465543.41	3808021.91	4.39017	(09010519)	465563.41	3808021.91	4.34235	(09010519)

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        465583.41   3808021.91        4.29557  (09010519)                465603.41
3808021.91        4.25231  (09010519)
        465623.41   3808021.91        4.20694  (09010519)                465643.41
3808021.91        4.16154  (09010519)
        465663.41   3808021.91        4.11933  (09010519)                465683.41
3808021.91        4.07496  (09010519)
        465703.41   3808021.91        4.02999  (09010519)                464783.41
3808041.91       13.18310  (10020118)
        464803.41   3808041.91       12.54566  (10020118)                464823.41
3808041.91       11.90057  (10020118)
        464843.41   3808041.91       11.26197  (10020118)                464863.41
3808041.91       10.67222  (10102019)
        464883.41   3808041.91       10.26680  (10102019)                464903.41
3808041.91        9.86081  (10102019)
        464923.41   3808041.91        9.46139  (10102019)                464943.41
3808041.91        9.07995  (10102019)
        464963.41   3808041.91        8.70811  (10102019)                464983.41
3808041.91        8.34471  (10102019)
        465003.41   3808041.91        7.98279  (10102019)                465023.41
3808041.91        7.63882  (10102019)
        465043.41   3808041.91        7.30855  (10102019)                465063.41
3808041.91        6.98474  (10102019)
        465083.41   3808041.91        6.67733  (10102019)                465103.41
3808041.91        6.38296  (10102019)
        465123.41   3808041.91        6.09531  (10102019)                465143.41
3808041.91        5.82344  (10102019)
        465163.41   3808041.91        5.56458  (09010519)                465183.41
3808041.91        5.50473  (09010519)
        465203.41   3808041.91        5.44852  (09010519)                465223.41
3808041.91        5.39313  (09010519)
        465243.41   3808041.91        5.33253  (09010519)                465263.41
3808041.91        5.27585  (09010519)
        465283.41   3808041.91        5.22157  (09010519)                465303.41
3808041.91        5.16890  (09010519)
        465323.41   3808041.91        5.11104  (09010519)                465343.41
3808041.91        5.05192  (09010519)
        465363.41   3808041.91        4.99783  (09010519)                465383.41
3808041.91        4.94509  (09010519)
        465403.41   3808041.91        4.89203  (09010519)                465423.41
3808041.91        4.83324  (09010519)
        465443.41   3808041.91        4.77967  (09010519)                465463.41
3808041.91        4.73811  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       13:53:49

                                  PAGE 113
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465483.41	3808041.91	4.68064	(09010519)	465503.41	3808041.91	4.62721	(09010519)
465523.41	3808041.91	4.57627	(09010519)	465543.41	3808041.91	4.52700	(09010519)
465563.41	3808041.91	4.47373	(09010519)	465583.41	3808041.91	4.42017	(09010519)
465603.41	3808041.91	4.37242	(09010519)	465623.41	3808041.91	4.32514	(09010519)
465643.41	3808041.91	4.27809	(09010519)	465663.41	3808041.91	4.23033	(09010519)
465683.41	3808041.91	4.18005	(09010519)	465703.41	3808041.91	4.13005	(09010519)
464803.41	3808061.91	11.94077	(10020118)	464823.41	3808061.91	11.28823	(10102019)
464843.41	3808061.91	10.86103	(10102019)	464863.41	3808061.91	10.43473	(10102019)
464883.41	3808061.91	10.00498	(10102019)	464903.41	3808061.91	9.58423	(10102019)
464923.41	3808061.91	9.17507	(10102019)	464943.41	3808061.91	8.77952	(10102019)
464963.41	3808061.91	8.39664	(10102019)	464983.41	3808061.91	8.02500	(10102019)
465003.41	3808061.91	7.65763	(10102019)	465023.41	3808061.91	7.30508	(10102019)
465043.41	3808061.91	6.96849	(10102019)	465063.41	3808061.91	6.65244	(10102019)
465083.41	3808061.91	6.34436	(10102019)	465103.41	3808061.91	6.04853	(10102019)
465123.41	3808061.91	5.97134	(09010519)	465143.41			

3808061.91 5.90267 (09010519)
465163.41 3808061.91 5.83265 (09010519) 465183.41
3808061.91 5.76926 (09010519)
465203.41 3808061.91 5.70043 (09010519) 465223.41
3808061.91 5.63057 (09010519)
465243.41 3808061.91 5.56754 (09010519) 465263.41
3808061.91 5.49937 (09010519)
465283.41 3808061.91 5.43073 (09010519) 465303.41
3808061.91 5.37013 (09010519)
465323.41 3808061.91 5.30873 (09010519) 465343.41
3808061.91 5.24618 (09010519)
465363.41 3808061.91 5.17785 (09010519) 465383.41
3808061.91 5.11627 (09010519)
465403.41 3808061.91 5.05764 (09010519) 465423.41
3808061.91 4.99848 (09010519)
465443.41 3808061.91 4.94072 (09010519) 465463.41
3808061.91 4.88571 (09010519)
465483.41 3808061.91 4.82809 (09010519) 465503.41
3808061.91 4.76687 (09010519)
465523.41 3808061.91 4.70571 (09010519) 465543.41
3808061.91 4.65151 (09010519)
465563.41 3808061.91 4.59714 (09010519) 465583.41
3808061.91 4.54317 (09010519)
465603.41 3808061.91 4.49084 (09010519) 465623.41
3808061.91 4.43913 (09010519)
465643.41 3808061.91 4.38691 (09010519) 465663.41
3808061.91 4.32996 (09010519)
465683.41 3808061.91 4.27750 (09010519) 465703.41
3808061.91 4.22769 (09010519)
464823.41 3808081.91 11.01774 (10102019) 464843.41
3808081.91 10.56040 (10102019)
464863.41 3808081.91 10.10978 (10102019) 464883.41
3808081.91 9.67173 (10102019)
464903.41 3808081.91 9.24651 (10102019) 464923.41
3808081.91 8.83326 (10102019)
464943.41 3808081.91 8.42911 (10102019) 464963.41
3808081.91 8.03630 (10102019)
464983.41 3808081.91 7.65771 (10102019) 465003.41
3808081.91 7.29537 (10102019)
465023.41 3808081.91 6.94492 (10102019) 465043.41
3808081.91 6.61000 (10102019)
465063.41 3808081.91 6.50459 (09010519) 465083.41
3808081.91 6.42303 (09010519)
465103.41 3808081.91 6.33855 (09010519) 465123.41
3808081.91 6.25880 (09010519)
465143.41 3808081.91 6.17964 (09010519) 465163.41
3808081.91 6.10098 (09010519)
465183.41 3808081.91 6.02221 (09010519) 465203.41
3808081.91 5.94428 (09010519)
465223.41 3808081.91 5.86711 (09010519) 465243.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465263.41   3808081.91   5.71402 (09010519)   465283.41   3808081.91   5.63994 (09010519)
        465303.41   3808081.91   5.57103 (09010519)   465323.41   3808081.91   5.49879 (09010519)
        465343.41   3808081.91   5.42572 (09010519)   465363.41   3808081.91   5.35386 (09010519)
        465383.41   3808081.91   5.28642 (09010519)   465403.41   3808081.91   5.22040 (09010519)
        465423.41   3808081.91   5.15074 (09010519)   465443.41   3808081.91   5.08552 (09010519)
        465463.41   3808081.91   5.02971 (09010519)   465483.41   3808081.91   4.96281 (09010519)
        465503.41   3808081.91   4.89714 (09010519)   465523.41   3808081.91   4.83257 (09010519)
        465543.41   3808081.91   4.76855 (09010519)   465563.41   3808081.91   4.70876 (09010519)
        465583.41   3808081.91   4.65129 (09010519)   465603.41   3808081.91   4.59462 (09010519)
        465623.41   3808081.91   4.53874 (09010519)   465643.41   3808081.91   4.48293 (09010519)

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        465663.41   3808081.91        4.42482  (09010519)               465683.41
3808081.91        4.37026  (09010519)
        465703.41   3808081.91        4.31699  (09010519)               464843.41
3808101.91       10.18482  (10102019)
        464863.41   3808101.91        9.72091  (10102019)               464883.41
3808101.91        9.28150  (10102019)
        464903.41   3808101.91        8.85379  (10102019)               464923.41
3808101.91        8.43840  (10102019)
        464943.41   3808101.91        8.03159  (10102019)               464963.41
3808101.91        7.63649  (10102019)
        464983.41   3808101.91        7.25777  (10102019)               465003.41
3808101.91        7.11342  (09010519)
        465023.41   3808101.91        7.01732  (09010519)               465043.41
3808101.91        6.92043  (09010519)
        465063.41   3808101.91        6.83005  (09010519)               465083.41
3808101.91        6.73323  (09010519)
        465103.41   3808101.91        6.63424  (09010519)               465123.41
3808101.91        6.53799  (09010519)
        465143.41   3808101.91        6.44936  (09010519)               465163.41
3808101.91        6.36285  (09010519)
        465183.41   3808101.91        6.26662  (09010519)               465203.41
3808101.91        6.17826  (09010519)
        465223.41   3808101.91        6.09303  (09010519)               465243.41
3808101.91        6.00266  (09010519)
        465263.41   3808101.91        5.92001  (09010519)               465283.41
3808101.91        5.84132  (09010519)
        465303.41   3808101.91        5.76167  (09010519)               465323.41
3808101.91        5.67826  (09010519)
        465343.41   3808101.91        5.59520  (09010519)               465363.41
3808101.91        5.51910  (09010519)
        465383.41   3808101.91        5.44545  (09010519)               465403.41
3808101.91        5.37222  (09010519)
        465423.41   3808101.91        5.29302  (09010519)               465443.41
3808101.91        5.22072  (09010519)
        465463.41   3808101.91        5.16318  (09010519)               465483.41
3808101.91        5.08763  (09010519)
        465503.41   3808101.91        5.01747  (09010519)               465523.41
3808101.91        4.94935  (09010519)
        465543.41   3808101.91        4.87749  (09010519)               465563.41
3808101.91        4.81216  (09010519)
        465583.41   3808101.91        4.75029  (09010519)               465603.41
3808101.91        4.68939  (09010519)
        465623.41   3808101.91        4.62947  (09010519)               465643.41
3808101.91        4.57026  (09010519)
        465663.41   3808101.91        4.51063  (09010519)               465683.41
3808101.91        4.45313  (09010519)
        465703.41   3808101.91        4.39586  (09010519)               464863.41
3808121.91        9.29725  (10102019)
        464883.41   3808121.91        8.85172  (10102019)               464903.41
3808121.91        8.41462  (10102019)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465123.41   3808121.91   6.81061 (09010519)   465143.41   3808121.91   6.71253 (09010519)
        465163.41   3808121.91   6.61412 (09010519)   465183.41   3808121.91   6.50609 (09010519)
        465203.41   3808121.91   6.40076 (09010519)   465223.41   3808121.91   6.29944 (09010519)
        465243.41   3808121.91   6.20776 (09010519)   465263.41   3808121.91   6.11867 (09010519)
        465283.41   3808121.91   6.02964 (09010519)   465303.41   3808121.91   5.93316 (09010519)
        465323.41   3808121.91   5.84449 (09010519)   465343.41

3808121.91 5.75883 (09010519)
465363.41 3808121.91 5.66730 (09010519) 465383.41
3808121.91 5.58460 (09010519)
465403.41 3808121.91 5.50616 (09010519) 465423.41
3808121.91 5.42787 (09010519)
465443.41 3808121.91 5.35195 (09010519) 465463.41
3808121.91 5.27989 (09010519)
465483.41 3808121.91 5.20544 (09010519) 465503.41
3808121.91 5.12747 (09010519)
465523.41 3808121.91 5.05005 (09010519) 465543.41
3808121.91 4.97983 (09010519)
465563.41 3808121.91 4.91191 (09010519) 465583.41
3808121.91 4.84562 (09010519)
465603.41 3808121.91 4.78050 (09010519) 465623.41
3808121.91 4.71654 (09010519)
465643.41 3808121.91 4.65241 (09010519) 465663.41
3808121.91 4.58337 (09010519)
465683.41 3808121.91 4.52055 (09010519) 465703.41
3808121.91 4.46118 (09010519)
464883.41 3808141.91 8.57615 (09010519) 464903.41
3808141.91 8.46290 (09010519)
464923.41 3808141.91 8.34141 (09010519) 464943.41
3808141.91 8.21363 (09010519)
464963.41 3808141.91 8.08694 (09010519) 464983.41
3808141.91 7.95920 (09010519)
465003.41 3808141.91 7.82116 (09010519) 465023.41
3808141.91 7.69456 (09010519)
465043.41 3808141.91 7.57209 (09010519) 465063.41
3808141.91 7.43963 (09010519)
465083.41 3808141.91 7.30897 (09010519) 465103.41
3808141.91 7.18294 (09010519)
465123.41 3808141.91 7.07122 (09010519) 465143.41
3808141.91 6.95619 (09010519)
465163.41 3808141.91 6.84112 (09010519) 465183.41
3808141.91 6.72860 (09010519)
465203.41 3808141.91 6.61338 (09010519) 465223.41
3808141.91 6.50030 (09010519)
465243.41 3808141.91 6.40086 (09010519) 465263.41
3808141.91 6.29840 (09010519)
465283.41 3808141.91 6.19597 (09010519) 465303.41
3808141.91 6.09599 (09010519)
465323.41 3808141.91 5.99764 (09010519) 465343.41
3808141.91 5.90128 (09010519)
465363.41 3808141.91 5.80728 (09010519) 465383.41
3808141.91 5.71929 (09010519)
465403.41 3808141.91 5.63375 (09010519) 465423.41
3808141.91 5.54478 (09010519)
465443.41 3808141.91 5.46166 (09010519) 465463.41
3808141.91 5.38239 (09010519)
465483.41 3808141.91 5.30447 (09010519) 465503.41

3808141.91 5.22456 (09010519)
  465523.41 3808141.91 5.14470 (09010519) 465543.41
3808141.91 5.06603 (09010519)
  465563.41 3808141.91 4.99267 (09010519) 465583.41
3808141.91 4.92241 (09010519)
  465603.41 3808141.91 4.85350 (09010519) 465623.41
3808141.91 4.78592 (09010519)
  465643.41 3808141.91 4.71881 (09010519) 465663.41
3808141.91 4.64954 (09010519)
  465683.41 3808141.91 4.58141 (09010519) 465703.41
3808141.91 4.51547 (09010519)
  464883.41 3808161.91 9.01416 (09010519) 464903.41
3808161.91 8.89022 (09010519)
  464923.41 3808161.91 8.75378 (09010519) 464943.41
3808161.91 8.60447 (09010519)
  464963.41 3808161.91 8.45741 (09010519) 464983.41
3808161.91 8.31068 (09010519)
  465003.41 3808161.91 8.15668 (09010519) 465023.41
3808161.91 8.01138 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
  L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
  L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
  L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465043.41	3808161.91	7.87000	(09010519)	465063.41	3808161.91	7.72128	(09010519)

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        465083.41   3808161.91        7.57738  (09010519)               465103.41
3808161.91        7.43914  (09010519)
        465123.41   3808161.91        7.31140  (09010519)               465143.41
3808161.91        7.18003  (09010519)
        465163.41   3808161.91        7.05034  (09010519)               465183.41
3808161.91        6.93085  (09010519)
        465203.41   3808161.91        6.80782  (09010519)               465223.41
3808161.91        6.68642  (09010519)
        465243.41   3808161.91        6.57483  (09010519)               465263.41
3808161.91        6.45979  (09010519)
        465283.41   3808161.91        6.34629  (09010519)               465303.41
3808161.91        6.24218  (09010519)
        465323.41   3808161.91        6.13470  (09010519)               465343.41
3808161.91        6.02864  (09010519)
        465363.41   3808161.91        5.93155  (09010519)               465383.41
3808161.91        5.83812  (09010519)
        465403.41   3808161.91        5.74594  (09010519)               465423.41
3808161.91        5.64771  (09010519)
        465443.41   3808161.91        5.55808  (09010519)               465463.41
3808161.91        5.47327  (09010519)
        465483.41   3808161.91        5.38835  (09010519)               465503.41
3808161.91        5.30680  (09010519)
        465523.41   3808161.91        5.22600  (09010519)               465543.41
3808161.91        5.13987  (09010519)
        465563.41   3808161.91        5.06157  (09010519)               465583.41
3808161.91        4.98761  (09010519)
        465603.41   3808161.91        4.91517  (09010519)               465623.41
3808161.91        4.84291  (09010519)
        465643.41   3808161.91        4.77203  (09010519)               465663.41
3808161.91        4.70404  (09010519)
        465683.41   3808161.91        4.63240  (09010519)               465703.41
3808161.91        4.56108  (09010519)
        464903.41   3808181.91        9.28802  (09010519)               464923.41
3808181.91        9.13130  (09010519)
        464943.41   3808181.91        8.96073  (09010519)               464963.41
3808181.91        8.79364  (09010519)
        464983.41   3808181.91        8.62957  (09010519)               465003.41
3808181.91        8.46736  (09010519)
        465023.41   3808181.91        8.30091  (09010519)               465043.41
3808181.91        8.13414  (09010519)
        465063.41   3808181.91        7.96910  (09010519)               465083.41
3808181.91        7.81770  (09010519)
        465103.41   3808181.91        7.67267  (09010519)               465123.41
3808181.91        7.52121  (09010519)
        465143.41   3808181.91        7.38143  (09010519)               465163.41
3808181.91        7.24697  (09010519)
        465183.41   3808181.91        7.10623  (09010519)               465203.41
3808181.91        6.97665  (09010519)
        465223.41   3808181.91        6.85208  (09010519)               465243.41
3808181.91        6.72138  (09010519)
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        465263.41   3808181.91        6.60128  (09010519)               465283.41
3808181.91        6.48588  (09010519)
        465303.41   3808181.91        6.36450  (09010519)               465323.41
3808181.91        6.25317  (09010519)
        465343.41   3808181.91        6.14622  (09010519)               465363.41
3808181.91        6.03347  (09010519)
        465383.41   3808181.91        5.93162  (09010519)               465403.41
3808181.91        5.83536  (09010519)
        465423.41   3808181.91        5.73999  (09010519)               465443.41
3808181.91        5.64795  (09010519)
        465463.41   3808181.91        5.55677  (09010519)               465483.41
3808181.91        5.45937  (09010519)
        465503.41   3808181.91        5.37101  (09010519)               465523.41
3808181.91        5.28780  (09010519)
        465543.41   3808181.91        5.20496  (09010519)               465563.41
3808181.91        5.12514  (09010519)
        465583.41   3808181.91        5.04757  (09010519)               465603.41
3808181.91        4.97170  (09010519)
        465623.41   3808181.91        4.89169  (09010519)               465643.41
3808181.91        4.81233  (09010519)
        465663.41   3808181.91        4.74167  (09010519)               465683.41
3808181.91        4.67168  (09010519)
        465703.41   3808181.91        4.60156  (09010519)               464923.41
3808201.91        9.46218  (09010519)
        464943.41   3808201.91        9.28240  (09010519)               464963.41
3808201.91        9.09938  (09010519)
        464983.41   3808201.91        8.91739  (09010519)               465003.41
3808201.91        8.74007  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                  PAGE 117
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465023.41	3808201.91	8.55552	(09010519)	465043.41	3808201.91	8.37162	(09010519)
465063.41	3808201.91	8.20070	(09010519)	465083.41	3808201.91	8.03368	(09010519)
465103.41	3808201.91	7.87098	(09010519)	465123.41	3808201.91	7.71379	(09010519)
465143.41	3808201.91	7.56014	(09010519)	465163.41	3808201.91	7.41071	(09010519)
465183.41	3808201.91	7.26586	(09010519)	465203.41	3808201.91	7.12448	(09010519)
465223.41	3808201.91	6.98694	(09010519)	465243.41	3808201.91	6.85361	(09010519)
465263.41	3808201.91	6.72342	(09010519)	465283.41	3808201.91	6.59673	(09010519)
465303.41	3808201.91	6.47388	(09010519)	465323.41	3808201.91	6.35386	(09010519)
465343.41	3808201.91	6.23703	(09010519)	465363.41	3808201.91	6.12371	(09010519)
465383.41	3808201.91	6.01294	(09010519)	465403.41	3808201.91	5.90610	(09010519)
465423.41	3808201.91	5.80783	(09010519)	465443.41	3808201.91	5.71194	(09010519)
465463.41	3808201.91	5.61743	(09010519)	465483.41	3808201.91	5.52029	(09010519)
465503.41	3808201.91	5.42956	(09010519)	465523.41	3808201.91	5.34278	(09010519)
465543.41	3808201.91	5.25805	(09010519)	465563.41	3808201.91	5.17136	(09010519)
465583.41	3808201.91	5.08615	(09010519)	465603.41	3808201.91	5.00745	(09010519)
465623.41	3808201.91	4.92718	(09010519)	465643.41	3808201.91	4.84822	(09010519)
465663.41	3808201.91	4.77499	(09010519)	465683.41	3808201.91	4.69997	(09010519)
465703.41	3808201.91	4.62528	(09010519)	464943.41	3808221.91	9.56611	(09010519)
464963.41	3808221.91	9.36949	(09010519)	464983.41	3808221.91	9.16993	(09010519)
465003.41	3808221.91	8.97620	(09010519)	465023.41	3808221.91	8.77779	(09010519)
465043.41	3808221.91	8.58253	(09010519)	465063.41	3808221.91	8.40261	(09010519)
465083.41	3808221.91	8.21780	(09010519)	465103.41			

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3808221.91        8.03712  (09010519)
        465123.41   3808221.91        7.87697  (09010519)                465143.41
3808221.91        7.71192  (09010519)
        465163.41   3808221.91        7.54916  (09010519)                465183.41
3808221.91        7.39977  (09010519)
        465203.41   3808221.91        7.24766  (09010519)                465223.41
3808221.91        7.09877  (09010519)
        465243.41   3808221.91        6.96232  (09010519)                465263.41
3808221.91        6.82305  (09010519)
        465283.41   3808221.91        6.68661  (09010519)                465303.41
3808221.91        6.56176  (09010519)
        465323.41   3808221.91        6.43404  (09010519)                465343.41
3808221.91        6.30879  (09010519)
        465363.41   3808221.91        6.19433  (09010519)                465383.41
3808221.91        6.07697  (09010519)
        465403.41   3808221.91        5.96222  (09010519)                465423.41
3808221.91        5.85977  (09010519)
        465443.41   3808221.91        5.75994  (09010519)                465463.41
3808221.91        5.66264  (09010519)
        465483.41   3808221.91        5.56781  (09010519)                465503.41
3808221.91        5.47372  (09010519)
        465523.41   3808221.91        5.38185  (09010519)                465543.41
3808221.91        5.29402  (09010519)
        465563.41   3808221.91        5.20216  (09010519)                465583.41
3808221.91        5.11150  (09010519)
        465603.41   3808221.91        5.03034  (09010519)                465623.41
3808221.91        4.94970  (09010519)
        465643.41   3808221.91        4.87088  (09010519)                465663.41
3808221.91        4.79546  (09010519)
        465683.41   3808221.91        4.71640  (09010519)                465703.41
3808221.91        4.63796  (09010519)
        464963.41   3808241.91        9.59937  (09010519)                464983.41
3808241.91        9.38346  (09010519)
        465003.41   3808241.91        9.17454  (09010519)                465023.41
3808241.91        8.97016  (09010519)
        465043.41   3808241.91        8.76945  (09010519)                465063.41
3808241.91        8.56317  (09010519)
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*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   , L0000009   , L0000010

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, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465083.41   3808241.91        8.36205  (09010519)               465103.41
3808241.91        8.16978  (09010519)
        465123.41   3808241.91        7.99989  (09010519)               465143.41
3808241.91        7.83327  (09010519)
        465163.41   3808241.91        7.66912  (09010519)               465183.41
3808241.91        7.49918  (09010519)
        465203.41   3808241.91        7.34330  (09010519)               465223.41
3808241.91        7.19432  (09010519)
        465243.41   3808241.91        7.03954  (09010519)               465263.41
3808241.91        6.89776  (09010519)
        465283.41   3808241.91        6.76221  (09010519)               465303.41
3808241.91        6.62091  (09010519)
        465323.41   3808241.91        6.49164  (09010519)               465343.41
3808241.91        6.36800  (09010519)
        465363.41   3808241.91        6.23871  (09010519)               465383.41
3808241.91        6.12055  (09010519)
        465403.41   3808241.91        6.00966  (09010519)               465423.41
3808241.91        5.90329  (09010519)
        465443.41   3808241.91        5.79977  (09010519)               465463.41
3808241.91        5.69900  (09010519)
        465483.41   3808241.91        5.60089  (09010519)               465503.41
3808241.91        5.49819  (09010519)
        465523.41   3808241.91        5.39684  (09010519)               465543.41
3808241.91        5.30666  (09010519)
        465563.41   3808241.91        5.21776  (09010519)               465583.41
3808241.91        5.13080  (09010519)
        465603.41   3808241.91        5.05539  (10032206)               465623.41
3808241.91        4.97718  (10032206)
        465643.41   3808241.91        4.89956  (10032206)               465663.41
3808241.91        4.83105  (10032206)
        465683.41   3808241.91        4.76314  (10032206)               465703.41
3808241.91        4.69498  (10032206)
        464983.41   3808261.91        9.51533  (09010519)               465003.41
3808261.91        9.30753  (09010519)
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        465023.41   3808261.91        9.09796  (09010519)               465043.41
3808261.91        8.88936  (09010519)
        465063.41   3808261.91        8.67991  (09010519)               465083.41
3808261.91        8.47784  (09010519)
        465103.41   3808261.91        8.28249  (09010519)               465123.41
3808261.91        8.09268  (09010519)
        465143.41   3808261.91        7.91677  (09010519)               465163.41
3808261.91        7.74810  (09010519)
        465183.41   3808261.91        7.57802  (09010519)               465203.41
3808261.91        7.41275  (09010519)
        465223.41   3808261.91        7.25291  (09010519)               465243.41
3808261.91        7.09879  (09010519)
        465263.41   3808261.91        6.95521  (09010519)               465283.41
3808261.91        6.81584  (09010519)
        465303.41   3808261.91        6.66728  (09010519)               465323.41
3808261.91        6.52837  (09010519)
        465343.41   3808261.91        6.39659  (09010519)               465363.41
3808261.91        6.26932  (09010519)
        465383.41   3808261.91        6.14544  (09010519)               465403.41
3808261.91        6.03051  (10032206)
        465423.41   3808261.91        5.93321  (10032206)               465443.41
3808261.91        5.83837  (10032206)
        465463.41   3808261.91        5.74610  (10032206)               465483.41
3808261.91        5.65593  (10032206)
        465503.41   3808261.91        5.56384  (10032206)               465523.41
3808261.91        5.47338  (10032206)
        465543.41   3808261.91        5.38994  (10032206)               465563.41
3808261.91        5.30429  (10032206)
        465583.41   3808261.91        5.22010  (10032206)               465603.41
3808261.91        5.14276  (10032206)
        465623.41   3808261.91        5.06361  (10032206)               465643.41
3808261.91        4.98478  (10032206)
        465663.41   3808261.91        4.90739  (10032206)               465683.41
3808261.91        4.83564  (10032206)
        465703.41   3808261.91        4.76634  (10032206)               465003.41
3808281.91        9.38848  (09010519)
        465023.41   3808281.91        9.17543  (09010519)               465043.41
3808281.91        8.96324  (09010519)
        465063.41   3808281.91        8.75081  (09010519)               465083.41
3808281.91        8.55185  (09010519)
        465103.41   3808281.91        8.35915  (09010519)               465123.41
3808281.91        8.15602  (09010519)
        465143.41   3808281.91        7.97099  (09010519)               465163.41
3808281.91        7.79717  (09010519)
        465183.41   3808281.91        7.62608  (09010519)               465203.41
3808281.91        7.45304  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       13:53:49
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465223.41	3808281.91	7.29496	(10032206)	465243.41	3808281.91	7.15980	(10032206)
465263.41	3808281.91	7.02631	(10032206)	465283.41	3808281.91	6.89355	(10032206)
465303.41	3808281.91	6.75374	(10032206)	465323.41	3808281.91	6.62024	(10032206)
465343.41	3808281.91	6.49361	(10032206)	465363.41	3808281.91	6.37854	(10032206)
465383.41	3808281.91	6.26026	(10032206)	465403.41	3808281.91	6.14424	(10032206)
465423.41	3808281.91	6.03895	(10032206)	465443.41	3808281.91	5.93827	(10032206)
465463.41	3808281.91	5.84549	(10032206)	465483.41	3808281.91	5.75094	(10032206)
465503.41	3808281.91	5.65882	(10032206)	465523.41	3808281.91	5.56868	(10032206)
465543.41	3808281.91	5.47882	(10032206)	465563.41	3808281.91	5.38623	(10032206)
465583.41	3808281.91	5.29554	(10032206)	465603.41	3808281.91	5.21495	(10032206)
465623.41	3808281.91	5.13480	(10032206)	465643.41	3808281.91	5.05481	(10032206)
465663.41	3808281.91	4.97124	(10032206)	465683.41	3808281.91	4.89432	(10032206)
465703.41	3808281.91	4.82184	(10032206)	465003.41			

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3808301.91        9.42674  (09010519)
        465023.41   3808301.91        9.21370  (09010519)                465043.41
3808301.91        9.02066  (10032206)
        465063.41   3808301.91        8.80449  (10032206)                465083.41
3808301.91        8.62463  (10032206)
        465103.41   3808301.91        8.45913  (10032206)                465123.41
3808301.91        8.28060  (10032206)
        465143.41   3808301.91        8.10994  (10032206)                465163.41
3808301.91        7.94282  (10032206)
        465183.41   3808301.91        7.76719  (10032206)                465203.41
3808301.91        7.60702  (10032206)
        465223.41   3808301.91        7.45716  (10032206)                465243.41
3808301.91        7.31394  (10032206)
        465263.41   3808301.91        7.16493  (10032206)                465283.41
3808301.91        7.01546  (10032206)
        465303.41   3808301.91        6.86860  (10032206)                465323.41
3808301.91        6.73632  (10032206)
        465343.41   3808301.91        6.61085  (10032206)                465363.41
3808301.91        6.47915  (10032206)
        465383.41   3808301.91        6.35940  (10032206)                465403.41
3808301.91        6.24508  (10032206)
        465423.41   3808301.91        6.12466  (10032206)                465443.41
3808301.91        6.01686  (10032206)
        465463.41   3808301.91        5.93454  (10032206)                465483.41
3808301.91        5.83589  (10032206)
        465503.41   3808301.91        5.73988  (10032206)                465523.41
3808301.91        5.64450  (10032206)
        465543.41   3808301.91        5.54280  (10032206)                465563.41
3808301.91        5.44991  (10032206)
        465583.41   3808301.91        5.36262  (10032206)                465603.41
3808301.91        5.27902  (10032206)
        465623.41   3808301.91        5.19079  (10032206)                465643.41
3808301.91        5.10333  (10032206)
        465663.41   3808301.91        5.02459  (10032206)                465683.41
3808301.91        4.94255  (10032206)
        465703.41   3808301.91        4.86180  (10032206)                465043.41
3808321.91        9.19481  (10032206)
        465063.41   3808321.91        8.99157  (10032206)                465083.41
3808321.91        8.80194  (10032206)
        465103.41   3808321.91        8.61994  (10032206)                465123.41
3808321.91        8.43499  (10032206)
        465143.41   3808321.91        8.25643  (10032206)                465163.41
3808321.91        8.08211  (10032206)
        465183.41   3808321.91        7.90616  (10032206)                465203.41
3808321.91        7.74259  (10032206)
        465223.41   3808321.91        7.58565  (10032206)                465243.41
3808321.91        7.42557  (10032206)
        465263.41   3808321.91        7.26535  (10032206)                465283.41
3808321.91        7.10934  (10032206)
        465303.41   3808321.91        6.96599  (10032206)                465323.41
```

3808321.91 6.82675 (10032206)
  465343.41 3808321.91 6.69197 (10032206) 465363.41
3808321.91 6.56195 (10032206)
  465383.41 3808321.91 6.43549 (10032206) 465403.41
3808321.91 6.31294 (10032206)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
  L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
  L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
  L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465423.41	3808321.91	6.19460	(10032206)	465443.41	3808321.91	6.08490	(10032206)
465463.41	3808321.91	5.99117	(10032206)	465483.41	3808321.91	5.88944	(10032206)
465503.41	3808321.91	5.79052	(10032206)	465523.41	3808321.91	5.69311	(10032206)
465543.41	3808321.91	5.59334	(10032206)	465563.41	3808321.91	5.50057	(10032206)
465583.41	3808321.91	5.41105	(10032206)	465603.41	3808321.91	5.31868	(10032206)
465623.41	3808321.91	5.22920	(10032206)	465643.41	3808321.91	5.14230	(10032206)
465663.41	3808321.91	5.05720	(10032206)	465683.41	3808321.91	4.97470	(10032206)
465703.41	3808321.91	4.89453	(10032206)	465083.41	3808341.91	8.93470	(10032206)

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        465103.41   3808341.91        8.73573  (10032206)               465123.41
3808341.91        8.54825  (10032206)
        465143.41   3808341.91        8.36385  (10032206)               465163.41
3808341.91        8.18462  (10032206)
        465183.41   3808341.91        8.01165  (10032206)               465203.41
3808341.91        7.84196  (10032206)
        465223.41   3808341.91        7.67494  (10032206)               465243.41
3808341.91        7.50427  (10032206)
        465263.41   3808341.91        7.33665  (10032206)               465283.41
3808341.91        7.17643  (10032206)
        465303.41   3808341.91        7.03383  (10032206)               465323.41
3808341.91        6.88593  (10032206)
        465343.41   3808341.91        6.74158  (10032206)               465363.41
3808341.91        6.61627  (10032206)
        465383.41   3808341.91        6.48575  (10032206)               465403.41
3808341.91        6.35689  (10032206)
        465423.41   3808341.91        6.24009  (10032206)               465443.41
3808341.91        6.12868  (10032206)
        465463.41   3808341.91        6.02616  (10032206)               465483.41
3808341.91        5.92206  (10032206)
        465503.41   3808341.91        5.82090  (10032206)               465523.41
3808341.91        5.72217  (10032206)
        465543.41   3808341.91        5.62401  (10032206)               465563.41
3808341.91        5.53035  (10032206)
        465583.41   3808341.91        5.43812  (10032206)               465603.41
3808341.91        5.34034  (10032206)
        465623.41   3808341.91        5.25039  (10032206)               465643.41
3808341.91        5.16397  (10032206)
        465663.41   3808341.91        5.07395  (10032206)               465683.41
3808341.91        4.99119  (10032206)
        465703.41   3808341.91        4.91165  (10032206)               465103.41
3808361.91        8.80645  (10032206)
        465123.41   3808361.91        8.62965  (10032206)               465143.41
3808361.91        8.44454  (10032206)
        465163.41   3808361.91        8.25961  (10032206)               465183.41
3808361.91        8.08134  (10032206)
        465203.41   3808361.91        7.89748  (10032206)               465223.41
3808361.91        7.71732  (10032206)
        465243.41   3808361.91        7.55551  (10032206)               465263.41
3808361.91        7.38813  (10032206)
        465283.41   3808361.91        7.22177  (10032206)               465303.41
3808361.91        7.06311  (10032206)
        465323.41   3808361.91        6.90847  (10032206)               465343.41
3808361.91        6.76124  (10032206)
        465363.41   3808361.91        6.63371  (10032206)               465383.41
3808361.91        6.50834  (10032206)
        465403.41   3808361.91        6.38438  (10032206)               465423.41
3808361.91        6.25425  (10032206)
        465443.41   3808361.91        6.13792  (10032206)               465463.41
3808361.91        6.04903  (10032206)
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3808381.91 6.62266 (10032206)
465383.41 3808381.91 6.49806 (10032206) 465403.41
3808381.91 6.37607 (10032206)
465423.41 3808381.91 6.25117 (10032206) 465443.41
3808381.91 6.13559 (10032206)
465463.41 3808381.91 6.03703 (10032206) 465483.41
3808381.91 5.93021 (10032206)
465503.41 3808381.91 5.82652 (10032206) 465523.41
3808381.91 5.72458 (10032206)
465543.41 3808381.91 5.62030 (10032206) 465563.41
3808381.91 5.51871 (10032206)
465583.41 3808381.91 5.42129 (10032206) 465603.41
3808381.91 5.33203 (10032206)
465623.41 3808381.91 5.24112 (10032206) 465643.41
3808381.91 5.15095 (10032206)
465663.41 3808381.91 5.06276 (10032206) 465683.41
3808381.91 4.97736 (10032206)
465703.41 3808381.91 4.89448 (10032206) 465303.41
3808401.91 7.00696 (10032206)
465323.41 3808401.91 6.85810 (10032206) 465343.41
3808401.91 6.71208 (10032206)
465363.41 3808401.91 6.58343 (10032206) 465383.41
3808401.91 6.45886 (10032206)
465403.41 3808401.91 6.33820 (10032206) 465423.41
3808401.91 6.22128 (10032206)
465443.41 3808401.91 6.10794 (10032206) 465463.41
3808401.91 5.99826 (10032206)
465483.41 3808401.91 5.89161 (10032206) 465503.41
3808401.91 5.78811 (10032206)
465523.41 3808401.91 5.68763 (10032206) 465543.41
3808401.91 5.59004 (10032206)
465563.41 3808401.91 5.48780 (10032206) 465583.41
3808401.91 5.38720 (10032206)
465603.41 3808401.91 5.29810 (10032206) 465623.41
3808401.91 5.20975 (10032206)
465643.41 3808401.91 5.12184 (10032206) 465663.41
3808401.91 5.03027 (10032206)
465683.41 3808401.91 4.94624 (10032206) 465703.41
3808401.91 4.86556 (10032206)
465323.41 3808421.91 6.77830 (10032206) 465343.41
3808421.91 6.64435 (10032206)
465363.41 3808421.91 6.51677 (10032206) 465383.41
3808421.91 6.39328 (10032206)
465403.41 3808421.91 6.27367 (10032206) 465423.41
3808421.91 6.15778 (10032206)
465443.41 3808421.91 6.04545 (10032206) 465463.41
3808421.91 5.93653 (10032206)
465483.41 3808421.91 5.83087 (10032206) 465503.41
3808421.91 5.72834 (10032206)
465523.41 3808421.91 5.62880 (10032206) 465543.41

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3808421.91        5.53214  (10032206)
        465563.41   3808421.91        5.43702  (10032206)                465583.41
3808421.91        5.34423  (10032206)
        465603.41   3808421.91        5.25560  (10032206)                465623.41
3808421.91        5.16214  (10032206)
        465643.41   3808421.91        5.06970  (10032206)                465663.41
3808421.91        4.98679  (10032206)
        465683.41   3808421.91        4.90049  (10032206)                465703.41
3808421.91        4.81554  (10032206)
        465323.41   3808441.91        6.67801  (10032206)                465343.41
3808441.91        6.55019  (10032206)
        465363.41   3808441.91        6.43463  (10032206)                465383.41
3808441.91        6.31608  (10032206)
        465403.41   3808441.91        6.19801  (10032206)                465423.41
3808441.91        6.08362  (10032206)
        465443.41   3808441.91        5.97274  (10032206)                465463.41
3808441.91        5.86522  (10032206)
        465483.41   3808441.91        5.76093  (10032206)                465503.41
3808441.91        5.65973  (10032206)
        465523.41   3808441.91        5.56148  (10032206)                465543.41
3808441.91        5.46608  (10032206)
        465563.41   3808441.91        5.37340  (10032206)                465583.41
3808441.91        5.28333  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                  PAGE 122
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
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        465543.41   3808501.91        5.18365  (09031319)               465563.41
3808501.91        5.08727  (09031319)
        465583.41   3808501.91        4.99957  (10032206)               465603.41
3808501.91        4.91226  (10032206)
        465623.41   3808501.91        4.82780  (10032206)               465643.41
3808501.91        4.74484  (10032206)
        465663.41   3808501.91        4.65919  (10032206)               465683.41
3808501.91        4.58375  (10032206)
        465703.41   3808501.91        4.51183  (10032206)               465523.41
3808521.91        5.48782  (09031319)
        465543.41   3808521.91        5.38045  (09031319)               465563.41
3808521.91        5.28552  (09031319)
        465583.41   3808521.91        5.19290  (09031319)               465603.41
3808521.91        5.08382  (09031319)
        465623.41   3808521.91        4.98334  (09031319)               465643.41
3808521.91        4.88694  (09031319)
        465663.41   3808521.91        4.78728  (09031319)               465683.41
3808521.91        4.69550  (09031319)
        465703.41   3808521.91        4.60739  (09031319)               463745.31
3809562.31        8.53290  (09040203)
        463783.31   3809562.31        9.02568  (09011307)               463821.31
3809562.31        9.46125  (09011307)
        463859.31   3809562.31        9.77699  (09011307)               463897.31
3809562.31        9.82115  (09011307)
        463935.31   3809562.31        9.86446  (09011120)               463973.31
3809562.31       10.12755  (09011120)
        464011.31   3809562.31       10.05725  (09011120)               464049.31
3809562.31        9.80574  (09011120)
        464087.31   3809562.31        9.29764  (09011120)               464125.31
3809562.31        9.27329  (10010907)
        464163.31   3809562.31        9.37545  (10010907)               464201.31
3809562.31        9.28978  (10010907)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                  PAGE 123
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464239.31	3809562.31	9.21782	(10022820)	464277.31	3809562.31	9.47166	(10022820)
464315.31	3809562.31	9.52847	(10022820)	464353.31	3809562.31	9.39927	(10022820)
464391.31	3809562.31	9.12986	(09031705)	464429.31	3809562.31	8.96403	(09040202)
464467.31	3809562.31	8.79090	(09040202)	464505.31	3809562.31	8.48626	(09040202)
463745.31	3809591.37	8.21828	(09040203)	463783.31	3809591.37	8.74905	(09011307)
463821.31	3809591.37	9.13418	(09011307)	463859.31	3809591.37	9.39124	(09011307)
463897.31	3809591.37	9.44034	(09011307)	463935.31	3809591.37	9.55739	(09011120)
463973.31	3809591.37	9.80640	(09011120)	464011.31	3809591.37	9.77860	(09011120)
464049.31	3809591.37	9.55016	(09011120)	464087.31	3809591.37	9.05948	(09011120)
464125.31	3809591.37	8.94441	(10010907)	464163.31	3809591.37	9.06419	(10010907)
464201.31	3809591.37	9.01097	(10010907)	464239.31	3809591.37	8.83851	(10022820)
464277.31	3809591.37	9.12436	(10022820)	464315.31	3809591.37	9.25365	(10022820)
464353.31	3809591.37	9.14249	(10022820)	464391.31	3809591.37	8.90854	(09031705)
464429.31	3809591.37	8.67765	(09040202)	464467.31	3809591.37	8.59089	(09040202)
464505.31	3809591.37	8.35649	(09040202)	463745.31	3809620.43	7.91499	(09011307)
463783.31	3809620.43	8.44836	(09011307)	463821.31	3809620.43	8.84095	(09011307)
463859.31	3809620.43	9.04306	(09011307)	463897.31	3809620.43	9.06804	(09011307)
463935.31	3809620.43	9.19787	(09011120)	463973.31	3809620.43	9.47834	(09011120)
464011.31	3809620.43	9.49881	(09011120)	464049.31	3809620.43	9.26207	(09011120)
464087.31	3809620.43	8.81277	(09011120)	464125.31			

3809620.43 8.62818 (10010907)
  464163.31 3809620.43 8.78387 (10010907) 464201.31
3809620.43 8.73171 (10010907)
  464239.31 3809620.43 8.53262 (10010907) 464277.31
3809620.43 8.77886 (10022820)
  464315.31 3809620.43 8.93580 (10022820) 464353.31
3809620.43 8.91123 (10022820)
  464391.31 3809620.43 8.68099 (10022820) 464429.31
3809620.43 8.48957 (09031705)
  464467.31 3809620.43 8.38752 (09040202) 464505.31
3809620.43 8.18436 (09040202)
  463745.31 3809649.49 7.64735 (09011307) 463783.31
3809649.49 8.18709 (09011307)
  463821.31 3809649.49 8.54011 (09011307) 463859.31
3809649.49 8.71738 (09011307)
  463897.31 3809649.49 8.71652 (09011307) 463935.31
3809649.49 8.83071 (09011120)
  463973.31 3809649.49 9.08033 (09011120) 464011.31
3809649.49 9.14701 (09011120)
  464049.31 3809649.49 8.97800 (09011120) 464087.31
3809649.49 8.56253 (09011120)
  464125.31 3809649.49 8.32558 (10010907) 464163.31
3809649.49 8.49514 (10010907)
  464201.31 3809649.49 8.49958 (10010907) 464239.31
3809649.49 8.33089 (10010907)
  464277.31 3809649.49 8.44602 (10022820) 464315.31
3809649.49 8.62139 (10022820)
  464353.31 3809649.49 8.65181 (10022820) 464391.31
3809649.49 8.50551 (10022820)
  464429.31 3809649.49 8.29117 (09031705) 464467.31
3809649.49 8.13809 (09040202)
  464505.31 3809649.49 8.01800 (09040202) 463745.31
3809678.55 7.37346 (09011307)
  463783.31 3809678.55 7.88701 (09011307) 463821.31
3809678.55 8.25910 (09011307)
  463859.31 3809678.55 8.39596 (09011307) 463897.31
3809678.55 8.38472 (09011307)
  463935.31 3809678.55 8.49376 (09011120) 463973.31
3809678.55 8.76276 (09011120)
  464011.31 3809678.55 8.81667 (09011120) 464049.31
3809678.55 8.70661 (09011120)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        464087.31   3809678.55   8.35782 (09011120)   464125.31
3809678.55   8.03415 (10010907)
        464163.31   3809678.55   8.23102 (10010907)   464201.31
3809678.55   8.27941 (10010907)
        464239.31   3809678.55   8.12165 (10010907)   464277.31
3809678.55   8.11718 (10022820)
        464315.31   3809678.55   8.33834 (10022820)   464353.31
3809678.55   8.41780 (10022820)
        464391.31   3809678.55   8.31852 (10022820)   464429.31
3809678.55   8.09421 (09031705)
        464467.31   3809678.55   7.90789 (09040202)   464505.31
3809678.55   7.82345 (09040202)
        463745.31   3809707.61   7.13887 (09011307)   463783.31
3809707.61   7.61010 (09011307)
        463821.31   3809707.61   7.95256 (09011307)   463859.31
3809707.61   8.11067 (09011307)
        463897.31   3809707.61   8.07493 (09011307)   463935.31
3809707.61   8.17525 (09031206)
        463973.31   3809707.61   8.46253 (09011120)   464011.31
3809707.61   8.53481 (09011120)
        464049.31   3809707.61   8.44810 (09011120)   464087.31
3809707.61   8.13713 (09011120)
        464125.31   3809707.61   7.75483 (10010907)   464163.31
3809707.61   7.98831 (10010907)
        464201.31   3809707.61   8.03362 (10010907)   464239.31
3809707.61   7.92488 (10010907)
        464277.31   3809707.61   7.80145 (10022820)   464315.31
3809707.61   8.07073 (10022820)
        464353.31   3809707.61   8.15792 (10022820)   464391.31
3809707.61   8.11402 (10022820)

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        464429.31   3809707.61        7.89226  (10022820)              464467.31
3809707.61        7.73141  (09031705)
        464505.31   3809707.61        7.63925  (09040202)              463745.31
3809736.67        6.94701  (09011307)
        463783.31   3809736.67        7.35576  (09011307)              463821.31
3809736.67        7.64002  (09011307)
        463859.31   3809736.67        7.79676  (09011307)              463897.31
3809736.67        7.77791  (09011307)
        463935.31   3809736.67        7.85496  (09031206)              463973.31
3809736.67        8.17099  (09011120)
        464011.31   3809736.67        8.29773  (09011120)              464049.31
3809736.67        8.20259  (09011120)
        464087.31   3809736.67        7.94495  (09011120)              464125.31
3809736.67        7.50349  (09011120)
        464163.31   3809736.67        7.75481  (10010907)              464201.31
3809736.67        7.81337  (10010907)
        464239.31   3809736.67        7.74393  (10010907)              464277.31
3809736.67        7.50817  (10022820)
        464315.31   3809736.67        7.78266  (10022820)              464353.31
3809736.67        7.91926  (10022820)
        464391.31   3809736.67        7.91171  (10022820)              464429.31
3809736.67        7.73955  (10022820)
        464467.31   3809736.67        7.57751  (09031705)              464505.31
3809736.67        7.44961  (09040202)
        463745.31   3809765.73        6.77184  (09011307)              463783.31
3809765.73        7.14351  (09011307)
        463821.31   3809765.73        7.38663  (09011307)              463859.31
3809765.73        7.51080  (09011307)
        463897.31   3809765.73        7.49764  (09011307)              463935.31
3809765.73        7.55622  (09031206)
        463973.31   3809765.73        7.82179  (09011120)              464011.31
3809765.73        8.03270  (09011120)
        464049.31   3809765.73        7.99641  (09011120)              464087.31
3809765.73        7.75035  (09011120)
        464125.31   3809765.73        7.35578  (09011120)              464163.31
3809765.73        7.52809  (10010907)
        464201.31   3809765.73        7.60963  (10010907)              464239.31
3809765.73        7.56887  (10010907)
        464277.31   3809765.73        7.36644  (10010907)              464315.31
3809765.73        7.51395  (10022820)
        464353.31   3809765.73        7.69030  (10022820)              464391.31
3809765.73        7.70268  (10022820)
        464429.31   3809765.73        7.59366  (10022820)              464467.31
3809765.73        7.42738  (09031705)
        464505.31   3809765.73        7.23418  (09040202)              463745.31
3809794.79        6.60701  (09011307)
        463783.31   3809794.79        6.93068  (09011307)              463821.31
3809794.79        7.15065  (09011307)
        463859.31   3809794.79        7.23782  (09011307)              463897.31
3809794.79        7.20948  (09011307)
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        463935.31   3809794.79   7.26929 (09031206)   463973.31   3809794.79   7.51525 (09011120)
        464011.31   3809794.79   7.71617 (09011120)   464049.31   3809794.79   7.78241 (09011120)
        464087.31   3809794.79   7.56677 (09011120)   464125.31   3809794.79   7.18790 (09011120)
        464163.31   3809794.79   7.28384 (10010907)   464201.31   3809794.79   7.40917 (10010907)
        464239.31   3809794.79   7.37910 (10010907)   464277.31   3809794.79   7.21189 (10010907)
        464315.31   3809794.79   7.25675 (10022820)   464353.31   3809794.79   7.44075 (10022820)
        464391.31   3809794.79   7.50545 (10022820)   464429.31   3809794.79   7.44629 (10022820)
        464467.31   3809794.79   7.24827 (09031705)   464505.31   3809794.79   7.09752 (09031705)
        463745.31   3809823.85   6.45042 (09011307)   463783.31   3809823.85   6.73259 (09011307)
        463821.31   3809823.85   6.89895 (09011307)   463859.31   3809823.85   6.97943 (09011307)
        463897.31   3809823.85   6.92807 (09011307)   463935.31

3809823.85 6.98957 (09031206)
463973.31 3809823.85 7.23067 (09011120) 464011.31
3809823.85 7.40618 (09011120)
464049.31 3809823.85 7.49037 (09011120) 464087.31
3809823.85 7.36682 (09011120)
464125.31 3809823.85 7.03556 (09011120) 464163.31
3809823.85 7.05792 (10010907)
464201.31 3809823.85 7.19263 (10010907) 464239.31
3809823.85 7.19938 (10010907)
464277.31 3809823.85 7.06364 (10010907) 464315.31
3809823.85 6.98734 (10022820)
464353.31 3809823.85 7.20510 (10022820) 464391.31
3809823.85 7.30604 (10022820)
464429.31 3809823.85 7.27055 (10022820) 464467.31
3809823.85 7.10826 (10022820)
464505.31 3809823.85 6.95541 (09031705) 463745.31
3809852.91 6.31425 (09011307)
463783.31 3809852.91 6.57514 (09011307) 463821.31
3809852.91 6.69140 (09011307)
463859.31 3809852.91 6.74702 (09011307) 463897.31
3809852.91 6.66658 (09011307)
463935.31 3809852.91 6.72885 (09031206) 463973.31
3809852.91 6.96057 (09011120)
464011.31 3809852.91 7.12076 (09011120) 464049.31
3809852.91 7.19266 (09011120)
464087.31 3809852.91 7.10192 (09011120) 464125.31
3809852.91 6.82985 (09011120)
464163.31 3809852.91 6.79256 (10010907) 464201.31
3809852.91 6.94836 (10010907)
464239.31 3809852.91 6.99130 (10010907) 464277.31
3809852.91 6.89562 (10010907)
464315.31 3809852.91 6.72972 (10022820) 464353.31
3809852.91 6.96368 (10022820)
464391.31 3809852.91 7.09600 (10022820) 464429.31
3809852.91 7.09964 (10022820)
464467.31 3809852.91 6.97112 (10022820) 464505.31
3809852.91 6.81419 (09031705)
463745.31 3809881.97 6.19293 (09011307) 463783.31
3809881.97 6.42189 (09011307)
463821.31 3809881.97 6.52435 (09011307) 463859.31
3809881.97 6.54393 (09011307)
463897.31 3809881.97 6.43758 (09011307) 463935.31
3809881.97 6.48435 (09031206)
463973.31 3809881.97 6.71318 (09011120) 464011.31
3809881.97 6.87234 (09011120)
464049.31 3809881.97 6.92741 (09011120) 464087.31
3809881.97 6.83266 (09011120)
464125.31 3809881.97 6.59153 (09011120) 464163.31
3809881.97 6.49731 (10010907)
464201.31 3809881.97 6.69820 (10010907) 464239.31

3809881.97   6.76036 (10010907)
        464277.31   3809881.97   6.71007 (10010907)   464315.31
3809881.97   6.53782 (10010907)
        464353.31   3809881.97   6.73158 (10022820)   464391.31
3809881.97   6.89523 (10022820)
        464429.31   3809881.97   6.92856 (10022820)   464467.31
3809881.97   6.83351 (10022820)
        464505.31   3809881.97   6.67797 (09031705)   463745.31
3809911.03   6.06255 (09011307)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        463783.31   3809911.03   6.26308 (09011307)   463821.31
3809911.03   6.36925 (09011307)
        463859.31   3809911.03   6.36451 (09011307)   463897.31
3809911.03   6.24840 (09011307)
        463935.31   3809911.03   6.28053 (09031206)   463973.31
3809911.03   6.48045 (09011120)
        464011.31   3809911.03   6.63558 (09011120)   464049.31
3809911.03   6.69457 (09011120)
        464087.31   3809911.03   6.60686 (09011120)   464125.31
3809911.03   6.38029 (09011120)
        464163.31   3809911.03   6.24530 (10010907)   464201.31
3809911.03   6.47501 (10010907)

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        464239.31   3809911.03        6.55947  (10010907)               464277.31
3809911.03        6.54303  (10010907)
        464315.31   3809911.03        6.39722  (10010907)               464353.31
3809911.03        6.50148  (10022820)
        464391.31   3809911.03        6.68751  (10022820)               464429.31
3809911.03        6.75091  (10022820)
        464467.31   3809911.03        6.70541  (10022820)               464505.31
3809911.03        6.53670  (10022820)
        463745.31   3809940.09        5.92754  (09011307)               463783.31
3809940.09        6.11042  (09011307)
        463821.31   3809940.09        6.21472  (09011307)               463859.31
3809940.09        6.19661  (09011307)
        463897.31   3809940.09        6.08109  (09011307)               463935.31
3809940.09        6.11398  (09031206)
        463973.31   3809940.09        6.28302  (09011120)               464011.31
3809940.09        6.40648  (09011120)
        464049.31   3809940.09        6.45852  (09011120)               464087.31
3809940.09        6.38031  (09011120)
        464125.31   3809940.09        6.17904  (09011120)               464163.31
3809940.09        6.01633  (10010907)
        464201.31   3809940.09        6.27549  (10010907)               464239.31
3809940.09        6.39032  (10010907)
        464277.31   3809940.09        6.38533  (10010907)               464315.31
3809940.09        6.27056  (10010907)
        464353.31   3809940.09        6.27630  (10022820)               464391.31
3809940.09        6.48197  (10022820)
        464429.31   3809940.09        6.58258  (10022820)               464467.31
3809940.09        6.56014  (10022820)
        464505.31   3809940.09        6.42707  (10022820)               463745.31
3809969.15        5.84474  (09011307)
        463783.31   3809969.15        5.98357  (09011307)               463821.31
3809969.15        6.06216  (09011307)
        463859.31   3809969.15        6.04009  (09011307)               463897.31
3809969.15        5.92090  (09011307)
        463935.31   3809969.15        5.95674  (09031206)               463973.31
3809969.15        6.11027  (09011120)
        464011.31   3809969.15        6.21363  (09011120)               464049.31
3809969.15        6.23361  (09011120)
        464087.31   3809969.15        6.16742  (09011120)               464125.31
3809969.15        6.00027  (09011120)
        464163.31   3809969.15        5.78818  (10010907)               464201.31
3809969.15        6.06964  (10010907)
        464239.31   3809969.15        6.22600  (10010907)               464277.31
3809969.15        6.23767  (10010907)
        464315.31   3809969.15        6.14798  (10010907)               464353.31
3809969.15        6.07163  (10022820)
        464391.31   3809969.15        6.29489  (10022820)               464429.31
3809969.15        6.41027  (10022820)
        464467.31   3809969.15        6.40933  (10022820)               464505.31
3809969.15        6.32286  (10022820)
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        463745.31   3809998.21        5.81999  (09011307)               463783.31
3809998.21        5.90103  (09011307)
        463821.31   3809998.21        5.94144  (09011307)               463859.31
3809998.21        5.90173  (09011307)
        463897.31   3809998.21        5.77799  (09011307)               463935.31
3809998.21        5.80603  (09031206)
        463973.31   3809998.21        5.94336  (09011120)               464011.31
3809998.21        6.05015  (09011120)
        464049.31   3809998.21        6.06394  (09011120)               464087.31
3809998.21        5.99323  (09011120)
        464125.31   3809998.21        5.84669  (09011120)               464163.31
3809998.21        5.62063  (09102505)
        464201.31   3809998.21        5.86692  (10010907)               464239.31
3809998.21        6.04284  (10010907)
        464277.31   3809998.21        6.09787  (10010907)               464315.31
3809998.21        6.02578  (10010907)
        464353.31   3809998.21        5.86282  (10010907)               464391.31
3809998.21        6.09715  (10022820)
♠ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                  PAGE 127
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464429.31   3809998.21        6.23094  (10022820)               464467.31
3809998.21        6.27121  (10022820)
        464505.31   3809998.21        6.20314  (10022820)               463745.31
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3810027.27 5.79924 (09011307)
463783.31 3810027.27 5.84883 (09011307) 463821.31
3810027.27 5.85053 (09011307)
463859.31 3810027.27 5.78744 (09011307) 463897.31
3810027.27 5.65543 (09011307)
463935.31 3810027.27 5.66918 (09031206) 463973.31
3810027.27 5.79442 (09011120)
464011.31 3810027.27 5.90056 (09011120) 464049.31
3810027.27 5.91628 (09011120)
464087.31 3810027.27 5.83507 (09011120) 464125.31
3810027.27 5.68621 (09011120)
464163.31 3810027.27 5.48561 (09102505) 464201.31
3810027.27 5.67644 (10010907)
464239.31 3810027.27 5.85505 (10010907) 464277.31
3810027.27 5.93860 (10010907)
464315.31 3810027.27 5.90532 (10010907) 464353.31
3810027.27 5.76067 (10010907)
464391.31 3810027.27 5.89744 (10022820) 464429.31
3810027.27 6.06162 (10022820)
464467.31 3810027.27 6.12227 (10022820) 464505.31
3810027.27 6.07607 (10022820)
463745.31 3810056.33 5.78631 (09011307) 463783.31
3810056.33 5.80453 (09011307)
463821.31 3810056.33 5.76506 (09011307) 463859.31
3810056.33 5.68697 (09011307)
463897.31 3810056.33 5.53799 (09011307) 463935.31
3810056.33 5.55084 (09031206)
463973.31 3810056.33 5.65873 (09011120) 464011.31
3810056.33 5.75848 (09011120)
464049.31 3810056.33 5.76531 (09011120) 464087.31
3810056.33 5.69068 (09011120)
464125.31 3810056.33 5.53428 (09011120) 464163.31
3810056.33 5.34237 (09102505)
464201.31 3810056.33 5.47823 (10010907) 464239.31
3810056.33 5.68049 (10010907)
464277.31 3810056.33 5.77206 (10010907) 464315.31
3810056.33 5.76857 (10010907)
464353.31 3810056.33 5.66596 (10010907) 464391.31
3810056.33 5.71805 (10022820)
464429.31 3810056.33 5.89290 (10022820) 464467.31
3810056.33 5.96486 (10022820)
464505.31 3810056.33 5.95121 (10022820) 463745.31
3810085.39 5.77169 (09011307)
463783.31 3810085.39 5.76391 (09011307) 463821.31
3810085.39 5.69606 (09011307)
463859.31 3810085.39 5.59283 (09011307) 463897.31
3810085.39 5.43148 (09011307)
463935.31 3810085.39 5.44550 (09031206) 463973.31
3810085.39 5.53308 (09011120)
464011.31 3810085.39 5.61970 (09011120) 464049.31

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3810085.39        5.61303  (09011120)
        464087.31   3810085.39        5.54794  (09011120)                464125.31
3810085.39        5.40053  (09011120)
        464163.31   3810085.39        5.20224  (09102505)                464201.31
3810085.39        5.28016  (10010907)
        464239.31   3810085.39        5.49736  (10010907)                464277.31
3810085.39        5.61167  (10010907)
        464315.31   3810085.39        5.62781  (10010907)                464353.31
3810085.39        5.54639  (10010907)
        464391.31   3810085.39        5.51949  (10022820)                464429.31
3810085.39        5.70834  (10022820)
        464467.31   3810085.39        5.80585  (10022820)                464505.31
3810085.39        5.81096  (10022820)
        463745.31   3810114.45        5.72277  (09011307)                463783.31
3810114.45        5.74271  (09011307)
        463821.31   3810114.45        5.64677  (09011307)                463859.31
3810114.45        5.53494  (09011307)
        463897.31   3810114.45        5.34604  (09011307)                463935.31
3810114.45        5.34966  (09031206)
        463973.31   3810114.45        5.41206  (09011120)                464011.31
3810114.45        5.49319  (09011120)
        464049.31   3810114.45        5.48242  (09011120)                464087.31
3810114.45        5.41377  (09011120)
        464125.31   3810114.45        5.26442  (09011120)                464163.31
3810114.45        5.06130  (09102505)
        464201.31   3810114.45        5.08195  (10010907)                464239.31
3810114.45        5.31889  (10010907)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        13:53:49

                                  PAGE 128
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464277.31	3810114.45	5.45385	(10010907)	464315.31	3810114.45	5.47411	(10010907)
464353.31	3810114.45	5.40162	(10010907)	464391.31	3810114.45	5.28433	(10022820)
464429.31	3810114.45	5.50720	(10022820)	464467.31	3810114.45	5.62185	(10022820)
464505.31	3810114.45	5.66839	(10022820)	463745.31	3810143.51	5.63676	(09011307)
463783.31	3810143.51	5.68395	(09011307)	463821.31	3810143.51	5.63267	(09011307)
463859.31	3810143.51	5.49656	(09011307)	463897.31	3810143.51	5.26410	(09011307)
463935.31	3810143.51	5.24702	(09031206)	463973.31	3810143.51	5.28270	(09011120)
464011.31	3810143.51	5.37360	(09011120)	464049.31	3810143.51	5.36236	(09011120)
464087.31	3810143.51	5.27870	(09011120)	464125.31	3810143.51	5.13694	(09011120)
464163.31	3810143.51	4.93841	(09102505)	464201.31	3810143.51	4.90214	(10010907)
464239.31	3810143.51	5.12868	(10010907)	464277.31	3810143.51	5.29353	(10010907)
464315.31	3810143.51	5.33033	(10010907)	464353.31	3810143.51	5.25860	(10010907)
464391.31	3810143.51	5.12653	(10010907)	464429.31	3810143.51	5.29848	(10022820)
464467.31	3810143.51	5.45547	(10022820)	464505.31	3810143.51	5.52723	(10022820)
464383.78	3807479.29	27.70507	(09120417)	464355.03	3807405.24	24.48654	(09120417)
464402.07	3807352.10	24.43085	(09120417)	464367.23	3807296.35	20.83711	(09120417)
464358.52	3807237.99	19.06842	(09031218)	464385.52	3807161.33	17.67379	(09031218)
464944.35	3809244.89	8.92673	(10012420)	465700.32	3809255.46	5.23885	(10021420)
465716.18	3808536.49	4.66728	(09031319)	465544.37	3808533.85	5.48266	(09031319)
465420.13	3808486.27	5.83922	(10032206)	465348.77	3808491.56	6.16946	(10032206)
465317.05	3808443.98	6.70825	(10032206)	465327.62	3808406.97	6.80973	(10032206)
465108.23	3808369.97	8.77657	(10032206)	464999.86	3808301.24	9.46723	(09010519)

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        464722.31   3807973.48       15.63315  (10020118)                464717.03
3807836.03       12.34776  (10020118)
        464344.33   3807936.47       37.44482  (09011918)                464349.61
3807780.52       17.79092  (09011918)
        464386.62   3807785.81       17.21859  (09011918)                464521.43
3807859.82       12.80850  (09030119)
        464537.28   3807719.72       21.03494  (09011918)                464426.27
3807613.99       28.76584  (09011918)
        464368.43   3807532.62       28.13592  (09120417)                464324.60
3807121.91       20.01005  (09123118)
        464123.31   3807123.54       19.75147  (09123118)                463930.13
3806909.26       17.05246  (09111519)
        463831.11   3806906.01       12.60065  (09120318)                463821.36
3806720.95       10.88769  (10102005)
        463727.21   3806727.44       10.68217  (09032718)                463598.97
3806334.59        9.87298  (09032718)
        463001.06   3806361.54        6.55206  (09022219)

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        13:53:49

                                  PAGE 129
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                      *** THE SUMMARY OF MAXIMUM PERIOD ( 16656
HRS) RESULTS ***


                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
             **


                      NETWORK
GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       1.09325 AT (  463859.31,  3809562.31,  1076.17,
 1076.17,    0.00)  DC
          2ND HIGHEST VALUE IS       1.09086 AT (  463897.31,  3809562.31,  1078.84,
 1078.84,    0.00)  DC
          3RD HIGHEST VALUE IS       1.08864 AT (  463745.31,  3809562.31,  1069.96,
 1069.96,    0.00)  DC
          4TH HIGHEST VALUE IS       1.08858 AT (  463783.31,  3809562.31,  1071.23,
 1071.23,    0.00)  DC
          5TH HIGHEST VALUE IS       1.08786 AT (  463821.31,  3809562.31,  1072.92,
 1079.00,    0.00)  DC
```

```
         6TH HIGHEST VALUE IS       1.07148 AT (  463935.31,  3809562.31,  1079.28,
 1079.28,    0.00)  DC
         7TH HIGHEST VALUE IS       1.04796 AT (  463973.31,  3809562.31,  1079.56,
 1079.56,    0.00)  DC
         8TH HIGHEST VALUE IS       1.03904 AT (  463745.31,  3809591.37,  1069.00,
 1069.00,    0.00)  DC
         9TH HIGHEST VALUE IS       1.03871 AT (  463783.31,  3809591.37,  1070.26,
 1070.26,    0.00)  DC
        10TH HIGHEST VALUE IS       1.03753 AT (  463859.31,  3809591.37,  1074.24,
 1077.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        13:53:49

                                   PAGE 130
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
             **

                                                      DATE
                                        NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS      37.44482  ON 09011918: AT (  464344.33,
3807936.47,  1104.00,  1104.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        04/06/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        13:53:49
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   4 Warning Message(s)
A Total of   14077 Informational Message(s)

A Total of   16656 Hours Were Processed

A Total of   1464 Calm Hours Identified

A Total of   12613 Missing Hours Identified (75.73 Percent)

CAUTION!: Number of Missing Hours Exceeds 10 Percent of Total!
           Data May Not Be Acceptable for Regulatory Applications.
           See Section 5.3.2 of "Meteorological Monitoring Guidance
           for Regulatory Modeling Applications" (EPA-454/R-99-005).

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W441   1449   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=
09030309
MX W441   1450   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=
09030310
MX W441   1452   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=
09030312
MX W441   1453   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=
09030313

   ****
   *** AERMOD Finishes Successfully ***
   ****

HARP2 - HRACalc (dated 21081) 4/25/2022 11:51:50 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 0.9

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 0.9
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\Poplar18Const\POPLAR18CONST\hra\Const10monthCancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\Poplar18Const\POPLAR18CONST\hra\Const10monthCancerRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v21081 4/25/2022 11:51:50 AM - Cancer Risk - Input File: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\Poplar18Const\POPLAR18CONST\hra\Const10monthHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
1	ALL		462160.6	3809378	7.85E-08	0.9YrCance	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		462051.5	3809271	6.87E-08	0.9YrCance	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		462014.5	3809029	4.77E-08	0.9YrCance	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		462010.6	3808856	3.00E-08	0.9YrCance	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		461936.6	3808887	2.83E-08	0.9YrCance	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		461936.6	3808998	3.63E-08	0.9YrCance	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		461909.3	3808768	2.22E-08	0.9YrCance	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		461835.3	3808895	2.50E-08	0.9YrCance	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		461845	3808996	3.06E-08	0.9YrCance	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		461833.3	3809115	4.10E-08	0.9YrCance	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		461843.1	3809210	4.95E-08	0.9YrCance	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		461810	3809298	5.28E-08	0.9YrCance	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		461856.7	3809386	5.83E-08	0.9YrCance	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		461841.1	3809483	5.85E-08	0.9YrCance	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		462004.7	3809380	6.70E-08	0.9YrCance	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		461763.2	3808793	1.88E-08	0.9YrCance	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		461753.5	3808700	1.80E-08	0.9YrCance	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		461835.3	3808686	1.83E-08	0.9YrCance	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		461823.6	3808579	1.59E-08	0.9YrCance	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		461761.3	3808585	1.50E-08	0.9YrCance	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		462301.2	3807807	2.13E-08	0.9YrCance	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		462304.8	3807868	2.09E-08	0.9YrCance	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		462216.8	3807883	1.82E-08	0.9YrCance	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		462116.3	3807886	1.60E-08	0.9YrCance	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		462114.6	3807789	1.56E-08	0.9YrCance	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		462012.3	3807888	1.41E-08	0.9YrCance	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		462008.7	3807976	1.53E-08	0.9YrCance	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		461917.1	3807972	1.38E-08	0.9YrCance	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		461922.5	3808188	1.76E-08	0.9YrCance	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		461908.2	3808288	1.78E-08	0.9YrCance	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		461848.9	3808378	1.67E-08	0.9YrCance	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		461831	3808494	1.60E-08	0.9YrCance	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		462421.4	3808394	3.61E-08	0.9YrCance	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		462459.1	3808502	3.92E-08	0.9YrCance	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		462437.6	3808581	4.03E-08	0.9YrCance	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		462654.7	3809189	1.41E-07	0.9YrCance	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		462559.5	3809194	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		465763.9	3807935	6.44E-08	0.9YrCance	6.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		465819.8	3807935	6.16E-08	0.9YrCance	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		465875.8	3807935	5.90E-08	0.9YrCance	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		465931.8	3807935	5.66E-08	0.9YrCance	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		465987.8	3807935	5.43E-08	0.9YrCance	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

43	ALL	466043.8	3807935	5.22E-08	0.9YrCance	5.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL	466099.7	3807935	5.02E-08	0.9YrCance	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL	466155.7	3807935	4.83E-08	0.9YrCance	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL	466211.7	3807935	4.65E-08	0.9YrCance	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL	466267.7	3807935	4.48E-08	0.9YrCance	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL	466323.7	3807935	4.32E-08	0.9YrCance	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL	466379.6	3807935	4.18E-08	0.9YrCance	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	466435.6	3807935	4.04E-08	0.9YrCance	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	466491.6	3807935	3.90E-08	0.9YrCance	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	466547.6	3807935	3.77E-08	0.9YrCance	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	466603.6	3807935	3.65E-08	0.9YrCance	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	466659.5	3807935	3.54E-08	0.9YrCance	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	466715.5	3807935	3.43E-08	0.9YrCance	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	466771.5	3807935	3.32E-08	0.9YrCance	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	466827.5	3807935	3.22E-08	0.9YrCance	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	466883.5	3807935	3.13E-08	0.9YrCance	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	465763.9	3808001	6.72E-08	0.9YrCance	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	465819.8	3808001	6.43E-08	0.9YrCance	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	465875.8	3808001	6.15E-08	0.9YrCance	6.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	465931.8	3808001	5.89E-08	0.9YrCance	5.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	465987.8	3808001	5.65E-08	0.9YrCance	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	466043.8	3808001	5.42E-08	0.9YrCance	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	466099.7	3808001	5.22E-08	0.9YrCance	5.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	466155.7	3808001	5.02E-08	0.9YrCance	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	466211.7	3808001	4.84E-08	0.9YrCance	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	466267.7	3808001	4.66E-08	0.9YrCance	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	466323.7	3808001	4.49E-08	0.9YrCance	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	466379.6	3808001	4.33E-08	0.9YrCance	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	466435.6	3808001	4.18E-08	0.9YrCance	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	466491.6	3808001	4.04E-08	0.9YrCance	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	466547.6	3808001	3.91E-08	0.9YrCance	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	466603.6	3808001	3.78E-08	0.9YrCance	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	466659.5	3808001	3.66E-08	0.9YrCance	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	466715.5	3808001	3.54E-08	0.9YrCance	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	466771.5	3808001	3.43E-08	0.9YrCance	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	466827.5	3808001	3.33E-08	0.9YrCance	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	466883.5	3808001	3.23E-08	0.9YrCance	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	465763.9	3808068	7.04E-08	0.9YrCance	7.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	465819.8	3808068	6.72E-08	0.9YrCance	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	465875.8	3808068	6.43E-08	0.9YrCance	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	465931.8	3808068	6.16E-08	0.9YrCance	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	465987.8	3808068	5.90E-08	0.9YrCance	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	466043.8	3808068	5.66E-08	0.9YrCance	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	466099.7	3808068	5.44E-08	0.9YrCance	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

87	ALL	466155.7	3808068	5.23E-08	0.9YrCance	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	466211.7	3808068	5.03E-08	0.9YrCance	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	466267.7	3808068	4.84E-08	0.9YrCance	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	466323.7	3808068	4.66E-08	0.9YrCance	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	466379.6	3808068	4.50E-08	0.9YrCance	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	466435.6	3808068	4.34E-08	0.9YrCance	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	466491.6	3808068	4.19E-08	0.9YrCance	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	466547.6	3808068	4.05E-08	0.9YrCance	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	466603.6	3808068	3.91E-08	0.9YrCance	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	466659.5	3808068	3.79E-08	0.9YrCance	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	466715.5	3808068	3.67E-08	0.9YrCance	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	466771.5	3808068	3.55E-08	0.9YrCance	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	466827.5	3808068	3.44E-08	0.9YrCance	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	466883.5	3808068	3.33E-08	0.9YrCance	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	465763.9	3808134	7.39E-08	0.9YrCance	7.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	465819.8	3808134	7.05E-08	0.9YrCance	7.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	465875.8	3808134	6.73E-08	0.9YrCance	6.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	465931.8	3808134	6.44E-08	0.9YrCance	6.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	465987.8	3808134	6.17E-08	0.9YrCance	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	466043.8	3808134	5.91E-08	0.9YrCance	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	466099.7	3808134	5.67E-08	0.9YrCance	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	466155.7	3808134	5.45E-08	0.9YrCance	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	466211.7	3808134	5.23E-08	0.9YrCance	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	466267.7	3808134	5.03E-08	0.9YrCance	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	466323.7	3808134	4.85E-08	0.9YrCance	4.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	466379.6	3808134	4.67E-08	0.9YrCance	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	466435.6	3808134	4.51E-08	0.9YrCance	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	466491.6	3808134	4.35E-08	0.9YrCance	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	466547.6	3808134	4.20E-08	0.9YrCance	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	466603.6	3808134	4.06E-08	0.9YrCance	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	466659.5	3808134	3.92E-08	0.9YrCance	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	466715.5	3808134	3.79E-08	0.9YrCance	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	466771.5	3808134	3.67E-08	0.9YrCance	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	466827.5	3808134	3.56E-08	0.9YrCance	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	466883.5	3808134	3.45E-08	0.9YrCance	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	465763.9	3808200	7.76E-08	0.9YrCance	7.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	465819.8	3808200	7.39E-08	0.9YrCance	7.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	465875.8	3808200	7.05E-08	0.9YrCance	7.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	465931.8	3808200	6.74E-08	0.9YrCance	6.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	465987.8	3808200	6.45E-08	0.9YrCance	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	466043.8	3808200	6.17E-08	0.9YrCance	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	466099.7	3808200	5.91E-08	0.9YrCance	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	466155.7	3808200	5.67E-08	0.9YrCance	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	466211.7	3808200	5.45E-08	0.9YrCance	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

131	ALL	466267.7	3808200	5.23E-08	0.9YrCance	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	466323.7	3808200	5.04E-08	0.9YrCance	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	466379.6	3808200	4.85E-08	0.9YrCance	4.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	466435.6	3808200	4.67E-08	0.9YrCance	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	466491.6	3808200	4.51E-08	0.9YrCance	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	466547.6	3808200	4.35E-08	0.9YrCance	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	466603.6	3808200	4.20E-08	0.9YrCance	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	466659.5	3808200	4.06E-08	0.9YrCance	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	466715.5	3808200	3.92E-08	0.9YrCance	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	466771.5	3808200	3.79E-08	0.9YrCance	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	466827.5	3808200	3.67E-08	0.9YrCance	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	466883.5	3808200	3.55E-08	0.9YrCance	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	465763.9	3808266	8.14E-08	0.9YrCance	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	465819.8	3808266	7.75E-08	0.9YrCance	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	465875.8	3808266	7.39E-08	0.9YrCance	7.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	465931.8	3808266	7.05E-08	0.9YrCance	7.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	465987.8	3808266	6.73E-08	0.9YrCance	6.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	466043.8	3808266	6.43E-08	0.9YrCance	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	466099.7	3808266	6.16E-08	0.9YrCance	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	466155.7	3808266	5.90E-08	0.9YrCance	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	466211.7	3808266	5.66E-08	0.9YrCance	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	466267.7	3808266	5.44E-08	0.9YrCance	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	466323.7	3808266	5.23E-08	0.9YrCance	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	466379.6	3808266	5.03E-08	0.9YrCance	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	466435.6	3808266	4.84E-08	0.9YrCance	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	466491.6	3808266	4.66E-08	0.9YrCance	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	466547.6	3808266	4.50E-08	0.9YrCance	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	466603.6	3808266	4.34E-08	0.9YrCance	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	466659.5	3808266	4.19E-08	0.9YrCance	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	466715.5	3808266	4.05E-08	0.9YrCance	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	466771.5	3808266	3.91E-08	0.9YrCance	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	466827.5	3808266	3.78E-08	0.9YrCance	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	466883.5	3808266	3.66E-08	0.9YrCance	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	465763.9	3808333	8.51E-08	0.9YrCance	8.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	465819.8	3808333	8.11E-08	0.9YrCance	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	465875.8	3808333	7.71E-08	0.9YrCance	7.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	465931.8	3808333	7.35E-08	0.9YrCance	7.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	465987.8	3808333	7.01E-08	0.9YrCance	7.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	466043.8	3808333	6.69E-08	0.9YrCance	6.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	466099.7	3808333	6.40E-08	0.9YrCance	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	466155.7	3808333	6.13E-08	0.9YrCance	6.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	466211.7	3808333	5.87E-08	0.9YrCance	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	466267.7	3808333	5.63E-08	0.9YrCance	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	466323.7	3808333	5.42E-08	0.9YrCance	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

175	ALL	466379.6	3808333	5.21E-08	0.9YrCance	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	466435.6	3808333	5.01E-08	0.9YrCance	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	466491.6	3808333	4.82E-08	0.9YrCance	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	466547.6	3808333	4.64E-08	0.9YrCance	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	466603.6	3808333	4.48E-08	0.9YrCance	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	466659.5	3808333	4.33E-08	0.9YrCance	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	466715.5	3808333	4.18E-08	0.9YrCance	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	466771.5	3808333	4.03E-08	0.9YrCance	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	466827.5	3808333	3.90E-08	0.9YrCance	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	466883.5	3808333	3.77E-08	0.9YrCance	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	465763.9	3808399	8.88E-08	0.9YrCance	8.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	465819.8	3808399	8.44E-08	0.9YrCance	8.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	465875.8	3808399	8.02E-08	0.9YrCance	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	465931.8	3808399	7.63E-08	0.9YrCance	7.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	465987.8	3808399	7.27E-08	0.9YrCance	7.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	466043.8	3808399	6.94E-08	0.9YrCance	6.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	466099.7	3808399	6.63E-08	0.9YrCance	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	466155.7	3808399	6.34E-08	0.9YrCance	6.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	466211.7	3808399	6.07E-08	0.9YrCance	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	466267.7	3808399	5.83E-08	0.9YrCance	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	466323.7	3808399	5.59E-08	0.9YrCance	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	466379.6	3808399	5.37E-08	0.9YrCance	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	466435.6	3808399	5.17E-08	0.9YrCance	5.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	466491.6	3808399	4.97E-08	0.9YrCance	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	466547.6	3808399	4.79E-08	0.9YrCance	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	466603.6	3808399	4.61E-08	0.9YrCance	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	466659.5	3808399	4.45E-08	0.9YrCance	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	466715.5	3808399	4.29E-08	0.9YrCance	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	466771.5	3808399	4.15E-08	0.9YrCance	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	466827.5	3808399	4.00E-08	0.9YrCance	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	466883.5	3808399	3.87E-08	0.9YrCance	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	465763.9	3808465	9.21E-08	0.9YrCance	9.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	465819.8	3808465	8.74E-08	0.9YrCance	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	465875.8	3808465	8.30E-08	0.9YrCance	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	465931.8	3808465	7.89E-08	0.9YrCance	7.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	465987.8	3808465	7.51E-08	0.9YrCance	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	466043.8	3808465	7.17E-08	0.9YrCance	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	466099.7	3808465	6.84E-08	0.9YrCance	6.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	466155.7	3808465	6.54E-08	0.9YrCance	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	466211.7	3808465	6.26E-08	0.9YrCance	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	466267.7	3808465	6.00E-08	0.9YrCance	6.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	466323.7	3808465	5.75E-08	0.9YrCance	5.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	466379.6	3808465	5.53E-08	0.9YrCance	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	466435.6	3808465	5.31E-08	0.9YrCance	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

219	ALL	466491.6	3808465	5.11E-08	0.9YrCance	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	466547.6	3808465	4.92E-08	0.9YrCance	4.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	466603.6	3808465	4.74E-08	0.9YrCance	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	466659.5	3808465	4.56E-08	0.9YrCance	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	466715.5	3808465	4.40E-08	0.9YrCance	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	466771.5	3808465	4.25E-08	0.9YrCance	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	466827.5	3808465	4.11E-08	0.9YrCance	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	466883.5	3808465	3.97E-08	0.9YrCance	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	465763.9	3808531	9.51E-08	0.9YrCance	9.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	465819.8	3808531	9.00E-08	0.9YrCance	9.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	465875.8	3808531	8.54E-08	0.9YrCance	8.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	465931.8	3808531	8.11E-08	0.9YrCance	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	465987.8	3808531	7.73E-08	0.9YrCance	7.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	466043.8	3808531	7.37E-08	0.9YrCance	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	466099.7	3808531	7.03E-08	0.9YrCance	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	466155.7	3808531	6.71E-08	0.9YrCance	6.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	466211.7	3808531	6.42E-08	0.9YrCance	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	466267.7	3808531	6.15E-08	0.9YrCance	6.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	466323.7	3808531	5.90E-08	0.9YrCance	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	466379.6	3808531	5.66E-08	0.9YrCance	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	466435.6	3808531	5.44E-08	0.9YrCance	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	466491.6	3808531	5.23E-08	0.9YrCance	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	466547.6	3808531	5.03E-08	0.9YrCance	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	466603.6	3808531	4.84E-08	0.9YrCance	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	466659.5	3808531	4.67E-08	0.9YrCance	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	466715.5	3808531	4.50E-08	0.9YrCance	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	466771.5	3808531	4.34E-08	0.9YrCance	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	466827.5	3808531	4.19E-08	0.9YrCance	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	466883.5	3808531	4.05E-08	0.9YrCance	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	465763.9	3808597	9.74E-08	0.9YrCance	9.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	465819.8	3808597	9.23E-08	0.9YrCance	9.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	465875.8	3808597	8.75E-08	0.9YrCance	8.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	465931.8	3808597	8.30E-08	0.9YrCance	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	465987.8	3808597	7.90E-08	0.9YrCance	7.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	466043.8	3808597	7.54E-08	0.9YrCance	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	466099.7	3808597	7.19E-08	0.9YrCance	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	466155.7	3808597	6.86E-08	0.9YrCance	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	466211.7	3808597	6.57E-08	0.9YrCance	6.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	466267.7	3808597	6.28E-08	0.9YrCance	6.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	466323.7	3808597	6.03E-08	0.9YrCance	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	466379.6	3808597	5.79E-08	0.9YrCance	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	466435.6	3808597	5.55E-08	0.9YrCance	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	466491.6	3808597	5.34E-08	0.9YrCance	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	466547.6	3808597	5.14E-08	0.9YrCance	5.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

263	ALL	466603.6	3808597	4.94E-08	0.9YrCance	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	466659.5	3808597	4.76E-08	0.9YrCance	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	466715.5	3808597	4.59E-08	0.9YrCance	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	466771.5	3808597	4.43E-08	0.9YrCance	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	466827.5	3808597	4.27E-08	0.9YrCance	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	466883.5	3808597	4.13E-08	0.9YrCance	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	465763.9	3808664	9.90E-08	0.9YrCance	9.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	465819.8	3808664	9.40E-08	0.9YrCance	9.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	465875.8	3808664	8.91E-08	0.9YrCance	8.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	465931.8	3808664	8.46E-08	0.9YrCance	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	465987.8	3808664	8.05E-08	0.9YrCance	8.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	466043.8	3808664	7.67E-08	0.9YrCance	7.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	466099.7	3808664	7.32E-08	0.9YrCance	7.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	466155.7	3808664	6.99E-08	0.9YrCance	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	466211.7	3808664	6.68E-08	0.9YrCance	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	466267.7	3808664	6.39E-08	0.9YrCance	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	466323.7	3808664	6.13E-08	0.9YrCance	6.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	466379.6	3808664	5.88E-08	0.9YrCance	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	466435.6	3808664	5.65E-08	0.9YrCance	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	466491.6	3808664	5.43E-08	0.9YrCance	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	466547.6	3808664	5.22E-08	0.9YrCance	5.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	466603.6	3808664	5.02E-08	0.9YrCance	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	466659.5	3808664	4.84E-08	0.9YrCance	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	466715.5	3808664	4.66E-08	0.9YrCance	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	466771.5	3808664	4.50E-08	0.9YrCance	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	466827.5	3808664	4.35E-08	0.9YrCance	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	466883.5	3808664	4.20E-08	0.9YrCance	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	465763.9	3808730	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	465819.8	3808730	9.53E-08	0.9YrCance	9.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	465875.8	3808730	9.04E-08	0.9YrCance	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	465931.8	3808730	8.58E-08	0.9YrCance	8.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	465987.8	3808730	8.16E-08	0.9YrCance	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	466043.8	3808730	7.77E-08	0.9YrCance	7.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	466099.7	3808730	7.41E-08	0.9YrCance	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	466155.7	3808730	7.07E-08	0.9YrCance	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	466211.7	3808730	6.76E-08	0.9YrCance	6.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	466267.7	3808730	6.47E-08	0.9YrCance	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	466323.7	3808730	6.21E-08	0.9YrCance	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	466379.6	3808730	5.96E-08	0.9YrCance	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	466435.6	3808730	5.72E-08	0.9YrCance	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	466491.6	3808730	5.50E-08	0.9YrCance	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	466547.6	3808730	5.29E-08	0.9YrCance	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	466603.6	3808730	5.09E-08	0.9YrCance	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	466659.5	3808730	4.91E-08	0.9YrCance	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

307	ALL	466715.5	3808730	4.73E-08	0.9YrCance	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	466771.5	3808730	4.56E-08	0.9YrCance	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	466827.5	3808730	4.41E-08	0.9YrCance	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	466883.5	3808730	4.26E-08	0.9YrCance	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	465763.9	3808796	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	465819.8	3808796	9.61E-08	0.9YrCance	9.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	465875.8	3808796	9.10E-08	0.9YrCance	9.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	465931.8	3808796	8.65E-08	0.9YrCance	8.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	465987.8	3808796	8.23E-08	0.9YrCance	8.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	466043.8	3808796	7.84E-08	0.9YrCance	7.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	466099.7	3808796	7.48E-08	0.9YrCance	7.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	466155.7	3808796	7.14E-08	0.9YrCance	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	466211.7	3808796	6.83E-08	0.9YrCance	6.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	466267.7	3808796	6.54E-08	0.9YrCance	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	466323.7	3808796	6.27E-08	0.9YrCance	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	466379.6	3808796	6.01E-08	0.9YrCance	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	466435.6	3808796	5.78E-08	0.9YrCance	5.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	466491.6	3808796	5.55E-08	0.9YrCance	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	466547.6	3808796	5.34E-08	0.9YrCance	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	466603.6	3808796	5.15E-08	0.9YrCance	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	466659.5	3808796	4.96E-08	0.9YrCance	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	466715.5	3808796	4.78E-08	0.9YrCance	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	466771.5	3808796	4.61E-08	0.9YrCance	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	466827.5	3808796	4.45E-08	0.9YrCance	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	466883.5	3808796	4.30E-08	0.9YrCance	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	465763.9	3808862	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	465819.8	3808862	9.57E-08	0.9YrCance	9.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	465875.8	3808862	9.11E-08	0.9YrCance	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	465931.8	3808862	8.67E-08	0.9YrCance	8.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	465987.8	3808862	8.25E-08	0.9YrCance	8.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	466043.8	3808862	7.87E-08	0.9YrCance	7.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	466099.7	3808862	7.51E-08	0.9YrCance	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	466155.7	3808862	7.17E-08	0.9YrCance	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	466211.7	3808862	6.86E-08	0.9YrCance	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	466267.7	3808862	6.58E-08	0.9YrCance	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	466323.7	3808862	6.30E-08	0.9YrCance	6.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	ALL	466379.6	3808862	6.05E-08	0.9YrCance	6.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	466435.6	3808862	5.81E-08	0.9YrCance	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	466491.6	3808862	5.59E-08	0.9YrCance	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	466547.6	3808862	5.38E-08	0.9YrCance	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	466603.6	3808862	5.18E-08	0.9YrCance	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	466659.5	3808862	5.00E-08	0.9YrCance	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	466715.5	3808862	4.82E-08	0.9YrCance	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	466771.5	3808862	4.65E-08	0.9YrCance	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

351	ALL	466827.5	3808862	4.49E-08	0.9YrCance	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	466883.5	3808862	4.34E-08	0.9YrCance	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	465763.9	3808928	9.92E-08	0.9YrCance	9.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	465819.8	3808928	9.46E-08	0.9YrCance	9.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	465875.8	3808928	9.04E-08	0.9YrCance	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	465931.8	3808928	8.63E-08	0.9YrCance	8.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	465987.8	3808928	8.24E-08	0.9YrCance	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	466043.8	3808928	7.88E-08	0.9YrCance	7.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	466099.7	3808928	7.52E-08	0.9YrCance	7.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	466155.7	3808928	7.19E-08	0.9YrCance	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	466211.7	3808928	6.88E-08	0.9YrCance	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	466267.7	3808928	6.59E-08	0.9YrCance	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	466323.7	3808928	6.32E-08	0.9YrCance	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	466379.6	3808928	6.06E-08	0.9YrCance	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	466435.6	3808928	5.83E-08	0.9YrCance	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	466491.6	3808928	5.61E-08	0.9YrCance	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	466547.6	3808928	5.40E-08	0.9YrCance	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	466603.6	3808928	5.21E-08	0.9YrCance	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	466659.5	3808928	5.02E-08	0.9YrCance	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	466715.5	3808928	4.84E-08	0.9YrCance	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	466771.5	3808928	4.67E-08	0.9YrCance	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	466827.5	3808928	4.52E-08	0.9YrCance	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	466883.5	3808928	4.36E-08	0.9YrCance	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	465763.9	3808995	9.86E-08	0.9YrCance	9.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	465819.8	3808995	9.37E-08	0.9YrCance	9.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	465875.8	3808995	8.95E-08	0.9YrCance	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	465931.8	3808995	8.57E-08	0.9YrCance	8.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	465987.8	3808995	8.22E-08	0.9YrCance	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	466043.8	3808995	7.85E-08	0.9YrCance	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	466099.7	3808995	7.50E-08	0.9YrCance	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	466155.7	3808995	7.17E-08	0.9YrCance	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	466211.7	3808995	6.87E-08	0.9YrCance	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	466267.7	3808995	6.59E-08	0.9YrCance	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	466323.7	3808995	6.32E-08	0.9YrCance	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	466379.6	3808995	6.07E-08	0.9YrCance	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	466435.6	3808995	5.83E-08	0.9YrCance	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	466491.6	3808995	5.62E-08	0.9YrCance	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	466547.6	3808995	5.41E-08	0.9YrCance	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	466603.6	3808995	5.22E-08	0.9YrCance	5.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	466659.5	3808995	5.03E-08	0.9YrCance	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	466715.5	3808995	4.86E-08	0.9YrCance	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	466771.5	3808995	4.69E-08	0.9YrCance	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	466827.5	3808995	4.53E-08	0.9YrCance	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	466883.5	3808995	4.38E-08	0.9YrCance	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

395	ALL	465763.9	3809061	9.78E-08	0.9YrCance	9.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	465819.8	3809061	9.31E-08	0.9YrCance	9.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	465875.8	3809061	8.89E-08	0.9YrCance	8.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	465931.8	3809061	8.50E-08	0.9YrCance	8.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	465987.8	3809061	8.14E-08	0.9YrCance	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	466043.8	3809061	7.80E-08	0.9YrCance	7.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	466099.7	3809061	7.45E-08	0.9YrCance	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	466155.7	3809061	7.14E-08	0.9YrCance	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	466211.7	3809061	6.84E-08	0.9YrCance	6.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	466267.7	3809061	6.56E-08	0.9YrCance	6.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	466323.7	3809061	6.30E-08	0.9YrCance	6.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	466379.6	3809061	6.05E-08	0.9YrCance	6.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	466435.6	3809061	5.83E-08	0.9YrCance	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	466491.6	3809061	5.62E-08	0.9YrCance	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	466547.6	3809061	5.41E-08	0.9YrCance	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	466603.6	3809061	5.21E-08	0.9YrCance	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	466659.5	3809061	5.04E-08	0.9YrCance	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	466715.5	3809061	4.86E-08	0.9YrCance	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	466771.5	3809061	4.69E-08	0.9YrCance	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	466827.5	3809061	4.54E-08	0.9YrCance	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	466883.5	3809061	4.39E-08	0.9YrCance	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	465763.9	3809127	9.69E-08	0.9YrCance	9.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	465819.8	3809127	9.24E-08	0.9YrCance	9.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	465875.8	3809127	8.83E-08	0.9YrCance	8.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	465931.8	3809127	8.44E-08	0.9YrCance	8.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	465987.8	3809127	8.08E-08	0.9YrCance	8.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	466043.8	3809127	7.71E-08	0.9YrCance	7.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	466099.7	3809127	7.37E-08	0.9YrCance	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	466155.7	3809127	7.06E-08	0.9YrCance	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	466211.7	3809127	6.80E-08	0.9YrCance	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	466267.7	3809127	6.53E-08	0.9YrCance	6.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	466323.7	3809127	6.28E-08	0.9YrCance	6.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	466379.6	3809127	6.04E-08	0.9YrCance	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	466435.6	3809127	5.81E-08	0.9YrCance	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	466491.6	3809127	5.60E-08	0.9YrCance	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	466547.6	3809127	5.40E-08	0.9YrCance	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	ALL	466603.6	3809127	5.21E-08	0.9YrCance	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	466659.5	3809127	5.02E-08	0.9YrCance	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	466715.5	3809127	4.85E-08	0.9YrCance	4.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	466771.5	3809127	4.69E-08	0.9YrCance	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	466827.5	3809127	4.53E-08	0.9YrCance	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	466883.5	3809127	4.39E-08	0.9YrCance	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	465763.9	3809193	9.54E-08	0.9YrCance	9.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	465819.8	3809193	9.14E-08	0.9YrCance	9.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

439	ALL	465875.8	3809193	8.74E-08	0.9YrCance	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	465931.8	3809193	8.36E-08	0.9YrCance	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	465987.8	3809193	7.97E-08	0.9YrCance	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	466043.8	3809193	7.58E-08	0.9YrCance	7.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	466099.7	3809193	7.28E-08	0.9YrCance	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	466155.7	3809193	6.99E-08	0.9YrCance	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	466211.7	3809193	6.72E-08	0.9YrCance	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	466267.7	3809193	6.48E-08	0.9YrCance	6.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	466323.7	3809193	6.24E-08	0.9YrCance	6.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	466379.6	3809193	6.01E-08	0.9YrCance	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	466435.6	3809193	5.78E-08	0.9YrCance	5.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	466491.6	3809193	5.57E-08	0.9YrCance	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	466547.6	3809193	5.38E-08	0.9YrCance	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	466603.6	3809193	5.19E-08	0.9YrCance	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	466659.5	3809193	5.01E-08	0.9YrCance	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	466715.5	3809193	4.84E-08	0.9YrCance	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	466771.5	3809193	4.68E-08	0.9YrCance	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	466827.5	3809193	4.53E-08	0.9YrCance	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	466883.5	3809193	4.38E-08	0.9YrCance	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	465763.9	3809260	9.34E-08	0.9YrCance	9.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	465819.8	3809260	8.96E-08	0.9YrCance	8.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	465875.8	3809260	8.57E-08	0.9YrCance	8.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	465931.8	3809260	8.21E-08	0.9YrCance	8.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	465987.8	3809260	7.84E-08	0.9YrCance	7.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	466043.8	3809260	7.50E-08	0.9YrCance	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	466099.7	3809260	7.18E-08	0.9YrCance	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	466155.7	3809260	6.91E-08	0.9YrCance	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	466211.7	3809260	6.66E-08	0.9YrCance	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	466267.7	3809260	6.42E-08	0.9YrCance	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	466323.7	3809260	6.18E-08	0.9YrCance	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	466379.6	3809260	5.95E-08	0.9YrCance	5.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	466435.6	3809260	5.74E-08	0.9YrCance	5.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	466491.6	3809260	5.54E-08	0.9YrCance	5.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	466547.6	3809260	5.35E-08	0.9YrCance	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	466603.6	3809260	5.16E-08	0.9YrCance	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	466659.5	3809260	4.99E-08	0.9YrCance	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	466715.5	3809260	4.83E-08	0.9YrCance	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	466771.5	3809260	4.67E-08	0.9YrCance	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	466827.5	3809260	4.52E-08	0.9YrCance	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	466883.5	3809260	4.37E-08	0.9YrCance	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	464503.4	3807142	5.78E-08	0.9YrCance	5.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	464523.4	3807142	5.77E-08	0.9YrCance	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	464543.4	3807142	5.70E-08	0.9YrCance	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	464563.4	3807142	5.61E-08	0.9YrCance	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

483	ALL	464583.4	3807142	5.59E-08	0.9YrCance	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	464603.4	3807142	5.51E-08	0.9YrCance	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	464623.4	3807142	5.42E-08	0.9YrCance	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	464643.4	3807142	5.37E-08	0.9YrCance	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	464663.4	3807142	5.29E-08	0.9YrCance	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	464683.4	3807142	5.19E-08	0.9YrCance	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	464703.4	3807142	5.13E-08	0.9YrCance	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	464723.4	3807142	5.03E-08	0.9YrCance	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	464743.4	3807142	4.90E-08	0.9YrCance	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	464763.4	3807142	4.79E-08	0.9YrCance	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	464783.4	3807142	4.66E-08	0.9YrCance	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	464803.4	3807142	4.54E-08	0.9YrCance	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	464823.4	3807142	4.51E-08	0.9YrCance	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	464843.4	3807142	4.41E-08	0.9YrCance	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	464863.4	3807142	4.30E-08	0.9YrCance	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	464883.4	3807142	4.20E-08	0.9YrCance	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	464903.4	3807142	4.17E-08	0.9YrCance	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	464923.4	3807142	4.16E-08	0.9YrCance	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	464503.4	3807162	5.88E-08	0.9YrCance	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	464523.4	3807162	5.87E-08	0.9YrCance	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	464543.4	3807162	5.79E-08	0.9YrCance	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	464563.4	3807162	5.70E-08	0.9YrCance	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	464583.4	3807162	5.67E-08	0.9YrCance	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	464603.4	3807162	5.63E-08	0.9YrCance	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	464623.4	3807162	5.57E-08	0.9YrCance	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	464643.4	3807162	5.46E-08	0.9YrCance	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	464663.4	3807162	5.39E-08	0.9YrCance	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	464683.4	3807162	5.33E-08	0.9YrCance	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	464703.4	3807162	5.21E-08	0.9YrCance	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	464723.4	3807162	5.07E-08	0.9YrCance	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	464743.4	3807162	4.95E-08	0.9YrCance	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	464763.4	3807162	4.91E-08	0.9YrCance	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	464783.4	3807162	4.81E-08	0.9YrCance	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	464803.4	3807162	4.68E-08	0.9YrCance	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	464823.4	3807162	4.57E-08	0.9YrCance	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	464843.4	3807162	4.45E-08	0.9YrCance	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	464863.4	3807162	4.34E-08	0.9YrCance	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	464883.4	3807162	4.34E-08	0.9YrCance	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	464903.4	3807162	4.28E-08	0.9YrCance	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	464923.4	3807162	4.21E-08	0.9YrCance	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	464503.4	3807182	6.05E-08	0.9YrCance	6.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	464523.4	3807182	5.98E-08	0.9YrCance	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	464543.4	3807182	5.91E-08	0.9YrCance	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	464563.4	3807182	5.84E-08	0.9YrCance	5.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

527	ALL	464583.4	3807182	5.77E-08	0.9YrCance	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	464603.4	3807182	5.71E-08	0.9YrCance	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	464623.4	3807182	5.66E-08	0.9YrCance	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	464643.4	3807182	5.53E-08	0.9YrCance	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	464663.4	3807182	5.46E-08	0.9YrCance	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	464683.4	3807182	5.40E-08	0.9YrCance	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	464703.4	3807182	5.26E-08	0.9YrCance	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	464723.4	3807182	5.16E-08	0.9YrCance	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	464743.4	3807182	5.08E-08	0.9YrCance	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	464763.4	3807182	5.00E-08	0.9YrCance	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	464783.4	3807182	4.88E-08	0.9YrCance	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	464803.4	3807182	4.75E-08	0.9YrCance	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	464823.4	3807182	4.69E-08	0.9YrCance	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	464843.4	3807182	4.58E-08	0.9YrCance	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	464863.4	3807182	4.47E-08	0.9YrCance	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	464883.4	3807182	4.42E-08	0.9YrCance	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	464903.4	3807182	4.39E-08	0.9YrCance	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	464923.4	3807182	4.37E-08	0.9YrCance	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	464503.4	3807202	6.21E-08	0.9YrCance	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	464523.4	3807202	6.09E-08	0.9YrCance	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	464543.4	3807202	6.04E-08	0.9YrCance	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	464563.4	3807202	5.99E-08	0.9YrCance	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	464583.4	3807202	5.88E-08	0.9YrCance	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	464603.4	3807202	5.81E-08	0.9YrCance	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	464623.4	3807202	5.74E-08	0.9YrCance	5.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	464643.4	3807202	5.62E-08	0.9YrCance	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	464663.4	3807202	5.54E-08	0.9YrCance	5.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	464683.4	3807202	5.46E-08	0.9YrCance	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	464703.4	3807202	5.34E-08	0.9YrCance	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	464723.4	3807202	5.27E-08	0.9YrCance	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	464743.4	3807202	5.20E-08	0.9YrCance	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	464763.4	3807202	5.06E-08	0.9YrCance	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	464783.4	3807202	4.93E-08	0.9YrCance	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	464803.4	3807202	4.84E-08	0.9YrCance	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	464823.4	3807202	4.81E-08	0.9YrCance	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	464843.4	3807202	4.74E-08	0.9YrCance	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	464863.4	3807202	4.66E-08	0.9YrCance	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	464883.4	3807202	4.54E-08	0.9YrCance	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	464903.4	3807202	4.52E-08	0.9YrCance	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	464923.4	3807202	4.58E-08	0.9YrCance	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	464503.4	3807222	6.32E-08	0.9YrCance	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	464523.4	3807222	6.19E-08	0.9YrCance	6.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	464543.4	3807222	6.13E-08	0.9YrCance	6.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	464563.4	3807222	6.09E-08	0.9YrCance	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

571	ALL	464583.4	3807222	6.04E-08	0.9YrCance	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	464603.4	3807222	5.94E-08	0.9YrCance	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	464623.4	3807222	5.82E-08	0.9YrCance	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	464643.4	3807222	5.77E-08	0.9YrCance	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	464663.4	3807222	5.66E-08	0.9YrCance	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	464683.4	3807222	5.54E-08	0.9YrCance	5.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	464703.4	3807222	5.49E-08	0.9YrCance	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	464723.4	3807222	5.39E-08	0.9YrCance	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	464743.4	3807222	5.25E-08	0.9YrCance	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	464763.4	3807222	5.10E-08	0.9YrCance	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	464783.4	3807222	5.04E-08	0.9YrCance	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	464803.4	3807222	5.00E-08	0.9YrCance	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	464823.4	3807222	4.89E-08	0.9YrCance	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	464843.4	3807222	4.87E-08	0.9YrCance	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	464863.4	3807222	4.88E-08	0.9YrCance	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	464883.4	3807222	4.76E-08	0.9YrCance	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	464903.4	3807222	4.67E-08	0.9YrCance	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	464923.4	3807222	4.66E-08	0.9YrCance	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	464503.4	3807242	6.43E-08	0.9YrCance	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	464523.4	3807242	6.35E-08	0.9YrCance	6.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	464543.4	3807242	6.27E-08	0.9YrCance	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	464563.4	3807242	6.18E-08	0.9YrCance	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	464583.4	3807242	6.14E-08	0.9YrCance	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	464603.4	3807242	6.03E-08	0.9YrCance	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	464623.4	3807242	5.89E-08	0.9YrCance	5.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	464643.4	3807242	5.85E-08	0.9YrCance	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	464663.4	3807242	5.77E-08	0.9YrCance	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	464683.4	3807242	5.68E-08	0.9YrCance	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	464703.4	3807242	5.59E-08	0.9YrCance	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	464723.4	3807242	5.45E-08	0.9YrCance	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	464743.4	3807242	5.31E-08	0.9YrCance	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	464763.4	3807242	5.23E-08	0.9YrCance	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	464783.4	3807242	5.16E-08	0.9YrCance	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	464803.4	3807242	5.09E-08	0.9YrCance	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	464823.4	3807242	5.05E-08	0.9YrCance	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	464843.4	3807242	5.02E-08	0.9YrCance	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	464863.4	3807242	5.02E-08	0.9YrCance	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	464883.4	3807242	4.90E-08	0.9YrCance	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	464903.4	3807242	4.98E-08	0.9YrCance	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	464923.4	3807242	5.01E-08	0.9YrCance	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	464503.4	3807262	6.55E-08	0.9YrCance	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	464523.4	3807262	6.51E-08	0.9YrCance	6.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	464543.4	3807262	6.40E-08	0.9YrCance	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	464563.4	3807262	6.27E-08	0.9YrCance	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

615	ALL	464583.4	3807262	6.23E-08	0.9YrCance	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	464603.4	3807262	6.12E-08	0.9YrCance	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	464623.4	3807262	5.99E-08	0.9YrCance	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	464643.4	3807262	5.92E-08	0.9YrCance	5.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	464663.4	3807262	5.88E-08	0.9YrCance	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	464683.4	3807262	5.83E-08	0.9YrCance	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	464703.4	3807262	5.66E-08	0.9YrCance	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	464723.4	3807262	5.52E-08	0.9YrCance	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	464743.4	3807262	5.41E-08	0.9YrCance	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	464763.4	3807262	5.38E-08	0.9YrCance	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	464783.4	3807262	5.29E-08	0.9YrCance	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	464803.4	3807262	5.21E-08	0.9YrCance	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	464823.4	3807262	5.23E-08	0.9YrCance	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	464843.4	3807262	5.23E-08	0.9YrCance	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	464863.4	3807262	5.23E-08	0.9YrCance	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	464883.4	3807262	5.11E-08	0.9YrCance	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	464903.4	3807262	5.20E-08	0.9YrCance	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	464923.4	3807262	5.56E-08	0.9YrCance	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	464503.4	3807282	6.66E-08	0.9YrCance	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	464523.4	3807282	6.62E-08	0.9YrCance	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	464543.4	3807282	6.50E-08	0.9YrCance	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	464563.4	3807282	6.36E-08	0.9YrCance	6.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	464583.4	3807282	6.31E-08	0.9YrCance	6.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	464603.4	3807282	6.25E-08	0.9YrCance	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	464623.4	3807282	6.17E-08	0.9YrCance	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	464643.4	3807282	6.02E-08	0.9YrCance	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	464663.4	3807282	5.94E-08	0.9YrCance	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	464683.4	3807282	5.89E-08	0.9YrCance	5.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	464703.4	3807282	5.72E-08	0.9YrCance	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	464723.4	3807282	5.64E-08	0.9YrCance	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	464743.4	3807282	5.60E-08	0.9YrCance	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	464763.4	3807282	5.46E-08	0.9YrCance	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	464783.4	3807282	5.43E-08	0.9YrCance	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	464803.4	3807282	5.45E-08	0.9YrCance	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	464823.4	3807282	5.34E-08	0.9YrCance	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	464843.4	3807282	5.53E-08	0.9YrCance	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	464863.4	3807282	5.59E-08	0.9YrCance	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	464883.4	3807282	5.47E-08	0.9YrCance	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	464903.4	3807282	5.91E-08	0.9YrCance	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	464923.4	3807282	6.04E-08	0.9YrCance	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	464503.4	3807302	6.85E-08	0.9YrCance	6.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	464523.4	3807302	6.74E-08	0.9YrCance	6.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	464543.4	3807302	6.64E-08	0.9YrCance	6.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	464563.4	3807302	6.53E-08	0.9YrCance	6.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

659	ALL	464583.4	3807302	6.41E-08	0.9YrCance	6.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	464603.4	3807302	6.34E-08	0.9YrCance	6.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	464623.4	3807302	6.27E-08	0.9YrCance	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	464643.4	3807302	6.09E-08	0.9YrCance	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	464663.4	3807302	6.01E-08	0.9YrCance	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	464683.4	3807302	5.95E-08	0.9YrCance	5.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	464703.4	3807302	5.78E-08	0.9YrCance	5.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	464723.4	3807302	5.71E-08	0.9YrCance	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	464743.4	3807302	5.70E-08	0.9YrCance	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	464763.4	3807302	5.65E-08	0.9YrCance	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	464783.4	3807302	5.61E-08	0.9YrCance	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	464803.4	3807302	5.59E-08	0.9YrCance	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	ALL	464823.4	3807302	5.45E-08	0.9YrCance	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	464843.4	3807302	5.62E-08	0.9YrCance	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	464863.4	3807302	5.90E-08	0.9YrCance	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	464883.4	3807302	6.17E-08	0.9YrCance	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	464903.4	3807302	6.20E-08	0.9YrCance	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	464923.4	3807302	6.25E-08	0.9YrCance	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	464503.4	3807322	7.03E-08	0.9YrCance	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	464523.4	3807322	6.86E-08	0.9YrCance	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	464543.4	3807322	6.77E-08	0.9YrCance	6.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	464563.4	3807322	6.70E-08	0.9YrCance	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	464583.4	3807322	6.52E-08	0.9YrCance	6.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	464603.4	3807322	6.42E-08	0.9YrCance	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	464623.4	3807322	6.34E-08	0.9YrCance	6.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	464643.4	3807322	6.16E-08	0.9YrCance	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	464663.4	3807322	6.07E-08	0.9YrCance	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL	464683.4	3807322	6.02E-08	0.9YrCance	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	464703.4	3807322	5.87E-08	0.9YrCance	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	464723.4	3807322	5.80E-08	0.9YrCance	5.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	ALL	464743.4	3807322	5.78E-08	0.9YrCance	5.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	464763.4	3807322	5.84E-08	0.9YrCance	5.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	464783.4	3807322	5.80E-08	0.9YrCance	5.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	464803.4	3807322	5.66E-08	0.9YrCance	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	464823.4	3807322	5.58E-08	0.9YrCance	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	464843.4	3807322	5.77E-08	0.9YrCance	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	464863.4	3807322	6.33E-08	0.9YrCance	6.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	464883.4	3807322	6.46E-08	0.9YrCance	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	464903.4	3807322	6.46E-08	0.9YrCance	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	464923.4	3807322	6.34E-08	0.9YrCance	6.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	464503.4	3807342	7.15E-08	0.9YrCance	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	464523.4	3807342	6.97E-08	0.9YrCance	6.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	464543.4	3807342	6.87E-08	0.9YrCance	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	464563.4	3807342	6.79E-08	0.9YrCance	6.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

703	ALL	464583.4	3807342	6.60E-08	0.9YrCance	6.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	464603.4	3807342	6.50E-08	0.9YrCance	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	464623.4	3807342	6.42E-08	0.9YrCance	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	464643.4	3807342	6.23E-08	0.9YrCance	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	464663.4	3807342	6.14E-08	0.9YrCance	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	464683.4	3807342	6.10E-08	0.9YrCance	6.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	464703.4	3807342	6.07E-08	0.9YrCance	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	464723.4	3807342	5.96E-08	0.9YrCance	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	464743.4	3807342	5.84E-08	0.9YrCance	5.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	464763.4	3807342	5.90E-08	0.9YrCance	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	464783.4	3807342	5.87E-08	0.9YrCance	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	464803.4	3807342	5.76E-08	0.9YrCance	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	464823.4	3807342	6.00E-08	0.9YrCance	6.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	464843.4	3807342	6.56E-08	0.9YrCance	6.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	464863.4	3807342	6.70E-08	0.9YrCance	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	464883.4	3807342	6.63E-08	0.9YrCance	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	ALL	464903.4	3807342	6.55E-08	0.9YrCance	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	464923.4	3807342	6.53E-08	0.9YrCance	6.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	464503.4	3807362	7.28E-08	0.9YrCance	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	464523.4	3807362	7.15E-08	0.9YrCance	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	464543.4	3807362	7.03E-08	0.9YrCance	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	464563.4	3807362	6.88E-08	0.9YrCance	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	464583.4	3807362	6.68E-08	0.9YrCance	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	464603.4	3807362	6.58E-08	0.9YrCance	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	464623.4	3807362	6.51E-08	0.9YrCance	6.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	464643.4	3807362	6.39E-08	0.9YrCance	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	464663.4	3807362	6.27E-08	0.9YrCance	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	464683.4	3807362	6.17E-08	0.9YrCance	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	464703.4	3807362	6.16E-08	0.9YrCance	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	464723.4	3807362	6.12E-08	0.9YrCance	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	464743.4	3807362	6.06E-08	0.9YrCance	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	464763.4	3807362	6.02E-08	0.9YrCance	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	ALL	464783.4	3807362	6.18E-08	0.9YrCance	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	464803.4	3807362	6.21E-08	0.9YrCance	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	464823.4	3807362	6.80E-08	0.9YrCance	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	464843.4	3807362	6.88E-08	0.9YrCance	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	464863.4	3807362	6.92E-08	0.9YrCance	6.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	464883.4	3807362	6.78E-08	0.9YrCance	6.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	464903.4	3807362	7.15E-08	0.9YrCance	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	464923.4	3807362	7.17E-08	0.9YrCance	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	464503.4	3807382	7.44E-08	0.9YrCance	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	464523.4	3807382	7.35E-08	0.9YrCance	7.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	464543.4	3807382	7.18E-08	0.9YrCance	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	464563.4	3807382	6.98E-08	0.9YrCance	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

747	ALL	464583.4	3807382	6.80E-08	0.9YrCance	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	464603.4	3807382	6.68E-08	0.9YrCance	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	ALL	464623.4	3807382	6.59E-08	0.9YrCance	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	464643.4	3807382	6.55E-08	0.9YrCance	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	464663.4	3807382	6.43E-08	0.9YrCance	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	464683.4	3807382	6.28E-08	0.9YrCance	6.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	464703.4	3807382	6.24E-08	0.9YrCance	6.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	464723.4	3807382	6.27E-08	0.9YrCance	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	464743.4	3807382	6.35E-08	0.9YrCance	6.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	464763.4	3807382	6.25E-08	0.9YrCance	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	464783.4	3807382	6.42E-08	0.9YrCance	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	464803.4	3807382	6.71E-08	0.9YrCance	6.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	464823.4	3807382	7.16E-08	0.9YrCance	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	464843.4	3807382	7.17E-08	0.9YrCance	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	464863.4	3807382	7.03E-08	0.9YrCance	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	464883.4	3807382	7.06E-08	0.9YrCance	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	464903.4	3807382	7.41E-08	0.9YrCance	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	464923.4	3807382	7.90E-08	0.9YrCance	7.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	464503.4	3807402	7.68E-08	0.9YrCance	7.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	464523.4	3807402	7.49E-08	0.9YrCance	7.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	464543.4	3807402	7.28E-08	0.9YrCance	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	464563.4	3807402	7.09E-08	0.9YrCance	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	464583.4	3807402	7.00E-08	0.9YrCance	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	464603.4	3807402	6.84E-08	0.9YrCance	6.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	464623.4	3807402	6.67E-08	0.9YrCance	6.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	464643.4	3807402	6.63E-08	0.9YrCance	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	464663.4	3807402	6.58E-08	0.9YrCance	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	464683.4	3807402	6.53E-08	0.9YrCance	6.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	464703.4	3807402	6.36E-08	0.9YrCance	6.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	464723.4	3807402	6.35E-08	0.9YrCance	6.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	464743.4	3807402	6.47E-08	0.9YrCance	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	464763.4	3807402	6.73E-08	0.9YrCance	6.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	464783.4	3807402	6.69E-08	0.9YrCance	6.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	464803.4	3807402	6.80E-08	0.9YrCance	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	464823.4	3807402	7.26E-08	0.9YrCance	7.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	464843.4	3807402	7.28E-08	0.9YrCance	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	464863.4	3807402	7.24E-08	0.9YrCance	7.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	464883.4	3807402	7.74E-08	0.9YrCance	7.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	464903.4	3807402	7.71E-08	0.9YrCance	7.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	464923.4	3807402	8.13E-08	0.9YrCance	8.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	464503.4	3807422	7.83E-08	0.9YrCance	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	464523.4	3807422	7.61E-08	0.9YrCance	7.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	464543.4	3807422	7.44E-08	0.9YrCance	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	464563.4	3807422	7.29E-08	0.9YrCance	7.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

791	ALL	464583.4	3807422	7.14E-08	0.9YrCance	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	464603.4	3807422	7.00E-08	0.9YrCance	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	464623.4	3807422	6.87E-08	0.9YrCance	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	464643.4	3807422	6.74E-08	0.9YrCance	6.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	464663.4	3807422	6.68E-08	0.9YrCance	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	464683.4	3807422	6.66E-08	0.9YrCance	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	464703.4	3807422	6.59E-08	0.9YrCance	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	464723.4	3807422	6.54E-08	0.9YrCance	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	464743.4	3807422	6.57E-08	0.9YrCance	6.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	464763.4	3807422	6.87E-08	0.9YrCance	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	464783.4	3807422	7.27E-08	0.9YrCance	7.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	464803.4	3807422	7.41E-08	0.9YrCance	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	464823.4	3807422	7.44E-08	0.9YrCance	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	464843.4	3807422	7.94E-08	0.9YrCance	7.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	464863.4	3807422	7.96E-08	0.9YrCance	7.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	464883.4	3807422	7.98E-08	0.9YrCance	7.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	464903.4	3807422	8.78E-08	0.9YrCance	8.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	464923.4	3807422	8.75E-08	0.9YrCance	8.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL	464503.4	3807442	7.96E-08	0.9YrCance	7.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	464523.4	3807442	7.76E-08	0.9YrCance	7.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	464543.4	3807442	7.62E-08	0.9YrCance	7.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	464563.4	3807442	7.50E-08	0.9YrCance	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	464583.4	3807442	7.30E-08	0.9YrCance	7.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	464603.4	3807442	7.17E-08	0.9YrCance	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815	ALL	464623.4	3807442	7.07E-08	0.9YrCance	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	464643.4	3807442	6.89E-08	0.9YrCance	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	464663.4	3807442	6.79E-08	0.9YrCance	6.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	464683.4	3807442	6.76E-08	0.9YrCance	6.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	464703.4	3807442	6.83E-08	0.9YrCance	6.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	464723.4	3807442	6.83E-08	0.9YrCance	6.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	464743.4	3807442	6.91E-08	0.9YrCance	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	464763.4	3807442	6.99E-08	0.9YrCance	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	464783.4	3807442	7.64E-08	0.9YrCance	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	464803.4	3807442	7.84E-08	0.9YrCance	7.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	464823.4	3807442	7.66E-08	0.9YrCance	7.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	464843.4	3807442	8.19E-08	0.9YrCance	8.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	464863.4	3807442	8.69E-08	0.9YrCance	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	464883.4	3807442	8.52E-08	0.9YrCance	8.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	464903.4	3807442	9.00E-08	0.9YrCance	9.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	464923.4	3807442	9.06E-08	0.9YrCance	9.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	464503.4	3807462	8.11E-08	0.9YrCance	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	464523.4	3807462	8.01E-08	0.9YrCance	8.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	464543.4	3807462	7.83E-08	0.9YrCance	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	464563.4	3807462	7.62E-08	0.9YrCance	7.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

835	ALL	464583.4	3807462	7.54E-08	0.9YrCance	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	464603.4	3807462	7.37E-08	0.9YrCance	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	464623.4	3807462	7.19E-08	0.9YrCance	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	464643.4	3807462	7.14E-08	0.9YrCance	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	464663.4	3807462	7.00E-08	0.9YrCance	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	464683.4	3807462	6.85E-08	0.9YrCance	6.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	464703.4	3807462	6.92E-08	0.9YrCance	6.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	464723.4	3807462	7.23E-08	0.9YrCance	7.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	464743.4	3807462	7.30E-08	0.9YrCance	7.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	464763.4	3807462	7.18E-08	0.9YrCance	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	464783.4	3807462	7.75E-08	0.9YrCance	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	464803.4	3807462	7.96E-08	0.9YrCance	7.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	464823.4	3807462	7.79E-08	0.9YrCance	7.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	464843.4	3807462	8.32E-08	0.9YrCance	8.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	464863.4	3807462	8.83E-08	0.9YrCance	8.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	464883.4	3807462	8.66E-08	0.9YrCance	8.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	464903.4	3807462	9.15E-08	0.9YrCance	9.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	464923.4	3807462	9.21E-08	0.9YrCance	9.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	464503.4	3807482	8.24E-08	0.9YrCance	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	464523.4	3807482	8.16E-08	0.9YrCance	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	464543.4	3807482	8.03E-08	0.9YrCance	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	464563.4	3807482	7.87E-08	0.9YrCance	7.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	464583.4	3807482	7.71E-08	0.9YrCance	7.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	464603.4	3807482	7.57E-08	0.9YrCance	7.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	464623.4	3807482	7.43E-08	0.9YrCance	7.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	464643.4	3807482	7.31E-08	0.9YrCance	7.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	464663.4	3807482	7.21E-08	0.9YrCance	7.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	464683.4	3807482	7.14E-08	0.9YrCance	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	464703.4	3807482	7.08E-08	0.9YrCance	7.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	464723.4	3807482	7.37E-08	0.9YrCance	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	464743.4	3807482	7.65E-08	0.9YrCance	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	464763.4	3807482	7.46E-08	0.9YrCance	7.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	464783.4	3807482	7.87E-08	0.9YrCance	7.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	464803.4	3807482	8.09E-08	0.9YrCance	8.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	464823.4	3807482	7.91E-08	0.9YrCance	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	464843.4	3807482	8.46E-08	0.9YrCance	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	464863.4	3807482	9.13E-08	0.9YrCance	9.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	464883.4	3807482	9.47E-08	0.9YrCance	9.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	464903.4	3807482	9.40E-08	0.9YrCance	9.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	464923.4	3807482	9.47E-08	0.9YrCance	9.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	464503.4	3807502	8.42E-08	0.9YrCance	8.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	464523.4	3807502	8.34E-08	0.9YrCance	8.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	464543.4	3807502	8.24E-08	0.9YrCance	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	464563.4	3807502	8.12E-08	0.9YrCance	8.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

879	ALL	464583.4	3807502	7.90E-08	0.9YrCance	7.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	464603.4	3807502	7.78E-08	0.9YrCance	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	464623.4	3807502	7.69E-08	0.9YrCance	7.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	464643.4	3807502	7.50E-08	0.9YrCance	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	464663.4	3807502	7.45E-08	0.9YrCance	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	464683.4	3807502	7.50E-08	0.9YrCance	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	464703.4	3807502	7.36E-08	0.9YrCance	7.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	464723.4	3807502	7.55E-08	0.9YrCance	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	464743.4	3807502	7.79E-08	0.9YrCance	7.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	464763.4	3807502	7.73E-08	0.9YrCance	7.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	464783.4	3807502	8.06E-08	0.9YrCance	8.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	464803.4	3807502	8.23E-08	0.9YrCance	8.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	464823.4	3807502	8.26E-08	0.9YrCance	8.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	464843.4	3807502	8.66E-08	0.9YrCance	8.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	464863.4	3807502	9.37E-08	0.9YrCance	9.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	464883.4	3807502	9.77E-08	0.9YrCance	9.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	464903.4	3807502	9.70E-08	0.9YrCance	9.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	464923.4	3807502	9.77E-08	0.9YrCance	9.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	464503.4	3807522	8.75E-08	0.9YrCance	8.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	464523.4	3807522	8.67E-08	0.9YrCance	8.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	464543.4	3807522	8.48E-08	0.9YrCance	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	464563.4	3807522	8.26E-08	0.9YrCance	8.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	464583.4	3807522	8.19E-08	0.9YrCance	8.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	464603.4	3807522	8.02E-08	0.9YrCance	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	464623.4	3807522	7.83E-08	0.9YrCance	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	464643.4	3807522	7.86E-08	0.9YrCance	7.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	464663.4	3807522	7.74E-08	0.9YrCance	7.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	464683.4	3807522	7.66E-08	0.9YrCance	7.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	464703.4	3807522	7.95E-08	0.9YrCance	7.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	464723.4	3807522	7.89E-08	0.9YrCance	7.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	464743.4	3807522	7.99E-08	0.9YrCance	7.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	464763.4	3807522	8.48E-08	0.9YrCance	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	464783.4	3807522	8.43E-08	0.9YrCance	8.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	464803.4	3807522	8.49E-08	0.9YrCance	8.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	464823.4	3807522	9.06E-08	0.9YrCance	9.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	464843.4	3807522	9.02E-08	0.9YrCance	9.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	464863.4	3807522	9.53E-08	0.9YrCance	9.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	464883.4	3807522	9.94E-08	0.9YrCance	9.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	464903.4	3807522	9.87E-08	0.9YrCance	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	464923.4	3807522	9.94E-08	0.9YrCance	9.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	464503.4	3807542	9.09E-08	0.9YrCance	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	464523.4	3807542	8.90E-08	0.9YrCance	8.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	464543.4	3807542	8.72E-08	0.9YrCance	8.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	464563.4	3807542	8.56E-08	0.9YrCance	8.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

923	ALL	464583.4	3807542	8.40E-08	0.9YrCance	8.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	464603.4	3807542	8.28E-08	0.9YrCance	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	464623.4	3807542	8.17E-08	0.9YrCance	8.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	464643.4	3807542	8.08E-08	0.9YrCance	8.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	464663.4	3807542	8.26E-08	0.9YrCance	8.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	464683.4	3807542	8.24E-08	0.9YrCance	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	464703.4	3807542	8.21E-08	0.9YrCance	8.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	464723.4	3807542	8.59E-08	0.9YrCance	8.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	464743.4	3807542	8.75E-08	0.9YrCance	8.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	464763.4	3807542	8.77E-08	0.9YrCance	8.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	464783.4	3807542	8.70E-08	0.9YrCance	8.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	464803.4	3807542	8.65E-08	0.9YrCance	8.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	464823.4	3807542	9.27E-08	0.9YrCance	9.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	464843.4	3807542	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	464863.4	3807542	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	464883.4	3807542	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	464903.4	3807542	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	464923.4	3807542	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	464503.4	3807562	9.40E-08	0.9YrCance	9.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	464523.4	3807562	9.13E-08	0.9YrCance	9.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	464543.4	3807562	8.98E-08	0.9YrCance	8.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	464563.4	3807562	8.87E-08	0.9YrCance	8.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	464583.4	3807562	8.63E-08	0.9YrCance	8.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	464603.4	3807562	8.56E-08	0.9YrCance	8.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	464623.4	3807562	8.59E-08	0.9YrCance	8.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	464643.4	3807562	8.42E-08	0.9YrCance	8.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	464663.4	3807562	8.61E-08	0.9YrCance	8.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	464683.4	3807562	8.85E-08	0.9YrCance	8.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	464703.4	3807562	8.76E-08	0.9YrCance	8.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	464723.4	3807562	9.12E-08	0.9YrCance	9.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	464743.4	3807562	9.27E-08	0.9YrCance	9.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	464763.4	3807562	9.06E-08	0.9YrCance	9.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	464783.4	3807562	8.99E-08	0.9YrCance	8.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	464803.4	3807562	9.32E-08	0.9YrCance	9.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	464823.4	3807562	9.47E-08	0.9YrCance	9.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	464843.4	3807562	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	464863.4	3807562	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	464883.4	3807562	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	464903.4	3807562	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	464923.4	3807562	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	464503.4	3807582	9.59E-08	0.9YrCance	9.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	464523.4	3807582	9.50E-08	0.9YrCance	9.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	464543.4	3807582	9.28E-08	0.9YrCance	9.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	464563.4	3807582	9.05E-08	0.9YrCance	9.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

967	ALL	464583.4	3807582	9.05E-08	0.9YrCance	9.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	464603.4	3807582	8.90E-08	0.9YrCance	8.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL	464623.4	3807582	8.78E-08	0.9YrCance	8.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL	464643.4	3807582	9.09E-08	0.9YrCance	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL	464663.4	3807582	9.00E-08	0.9YrCance	9.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL	464683.4	3807582	9.09E-08	0.9YrCance	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL	464703.4	3807582	9.61E-08	0.9YrCance	9.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL	464723.4	3807582	9.54E-08	0.9YrCance	9.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL	464743.4	3807582	9.44E-08	0.9YrCance	9.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL	464763.4	3807582	9.22E-08	0.9YrCance	9.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL	464783.4	3807582	9.79E-08	0.9YrCance	9.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL	464803.4	3807582	9.91E-08	0.9YrCance	9.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL	464823.4	3807582	9.74E-08	0.9YrCance	9.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
980	ALL	464843.4	3807582	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL	464863.4	3807582	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL	464883.4	3807582	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL	464903.4	3807582	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL	464923.4	3807582	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL	464503.4	3807602	9.98E-08	0.9YrCance	9.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL	464523.4	3807602	9.96E-08	0.9YrCance	9.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL	464543.4	3807602	9.75E-08	0.9YrCance	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL	464563.4	3807602	9.45E-08	0.9YrCance	9.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
989	ALL	464583.4	3807602	9.33E-08	0.9YrCance	9.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL	464603.4	3807602	9.51E-08	0.9YrCance	9.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL	464623.4	3807602	9.46E-08	0.9YrCance	9.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL	464643.4	3807602	9.40E-08	0.9YrCance	9.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL	464663.4	3807602	9.81E-08	0.9YrCance	9.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL	464683.4	3807602	9.96E-08	0.9YrCance	9.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL	464703.4	3807602	9.96E-08	0.9YrCance	9.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL	464723.4	3807602	9.85E-08	0.9YrCance	9.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL	464743.4	3807602	9.72E-08	0.9YrCance	9.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL	464763.4	3807602	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
999	ALL	464783.4	3807602	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL	464803.4	3807602	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL	464823.4	3807602	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL	464843.4	3807602	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL	464863.4	3807602	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL	464883.4	3807602	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL	464903.4	3807602	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL	464923.4	3807602	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL	464503.4	3807622	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL	464523.4	3807622	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL	464543.4	3807622	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL	464563.4	3807622	9.95E-08	0.9YrCance	9.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1011 ALL	464583.4	3807622	9.73E-08	0.9YrCance	9.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012 ALL	464603.4	3807622	9.92E-08	0.9YrCance	9.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013 ALL	464623.4	3807622	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014 ALL	464643.4	3807622	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015 ALL	464663.4	3807622	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016 ALL	464683.4	3807622	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017 ALL	464703.4	3807622	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018 ALL	464723.4	3807622	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019 ALL	464743.4	3807622	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020 ALL	464763.4	3807622	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021 ALL	464783.4	3807622	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022 ALL	464803.4	3807622	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023 ALL	464823.4	3807622	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024 ALL	464843.4	3807622	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025 ALL	464863.4	3807622	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026 ALL	464883.4	3807622	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027 ALL	464903.4	3807622	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028 ALL	464923.4	3807622	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1029 ALL	464503.4	3807642	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030 ALL	464523.4	3807642	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031 ALL	464543.4	3807642	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032 ALL	464563.4	3807642	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1033 ALL	464583.4	3807642	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1034 ALL	464603.4	3807642	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035 ALL	464623.4	3807642	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036 ALL	464643.4	3807642	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037 ALL	464663.4	3807642	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038 ALL	464683.4	3807642	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039 ALL	464703.4	3807642	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040 ALL	464723.4	3807642	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041 ALL	464743.4	3807642	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042 ALL	464763.4	3807642	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043 ALL	464783.4	3807642	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044 ALL	464803.4	3807642	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045 ALL	464823.4	3807642	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046 ALL	464843.4	3807642	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047 ALL	464863.4	3807642	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048 ALL	464883.4	3807642	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1049 ALL	464903.4	3807642	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050 ALL	464923.4	3807642	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051 ALL	464503.4	3807662	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052 ALL	464523.4	3807662	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053 ALL	464543.4	3807662	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054 ALL	464563.4	3807662	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1055 ALL	464583.4	3807662	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056 ALL	464603.4	3807662	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1057 ALL	464623.4	3807662	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058 ALL	464643.4	3807662	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059 ALL	464663.4	3807662	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060 ALL	464683.4	3807662	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1061 ALL	464703.4	3807662	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062 ALL	464723.4	3807662	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063 ALL	464743.4	3807662	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064 ALL	464763.4	3807662	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065 ALL	464783.4	3807662	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066 ALL	464803.4	3807662	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067 ALL	464823.4	3807662	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068 ALL	464843.4	3807662	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069 ALL	464863.4	3807662	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1070 ALL	464883.4	3807662	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1071 ALL	464903.4	3807662	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072 ALL	464923.4	3807662	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073 ALL	464503.4	3807682	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074 ALL	464523.4	3807682	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1075 ALL	464543.4	3807682	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076 ALL	464563.4	3807682	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077 ALL	464583.4	3807682	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1078 ALL	464603.4	3807682	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1079 ALL	464623.4	3807682	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080 ALL	464643.4	3807682	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081 ALL	464663.4	3807682	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082 ALL	464683.4	3807682	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083 ALL	464703.4	3807682	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084 ALL	464723.4	3807682	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085 ALL	464743.4	3807682	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086 ALL	464763.4	3807682	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1087 ALL	464783.4	3807682	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088 ALL	464803.4	3807682	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089 ALL	464823.4	3807682	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090 ALL	464843.4	3807682	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091 ALL	464863.4	3807682	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092 ALL	464883.4	3807682	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093 ALL	464903.4	3807682	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094 ALL	464923.4	3807682	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095 ALL	464523.4	3807702	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096 ALL	464543.4	3807702	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097 ALL	464563.4	3807702	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098 ALL	464583.4	3807702	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1099	ALL	464603.4	3807702	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100	ALL	464623.4	3807702	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1101	ALL	464643.4	3807702	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102	ALL	464663.4	3807702	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1103	ALL	464683.4	3807702	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104	ALL	464703.4	3807702	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105	ALL	464723.4	3807702	1.40E-07	0.9YrCance	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106	ALL	464743.4	3807702	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107	ALL	464763.4	3807702	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108	ALL	464783.4	3807702	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109	ALL	464803.4	3807702	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110	ALL	464823.4	3807702	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111	ALL	464843.4	3807702	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112	ALL	464863.4	3807702	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113	ALL	464883.4	3807702	1.28E-07	0.9YrCance	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114	ALL	464903.4	3807702	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115	ALL	464923.4	3807702	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116	ALL	464543.4	3807722	1.53E-07	0.9YrCance	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117	ALL	464563.4	3807722	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118	ALL	464583.4	3807722	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119	ALL	464603.4	3807722	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120	ALL	464623.4	3807722	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1121	ALL	464643.4	3807722	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122	ALL	464663.4	3807722	1.51E-07	0.9YrCance	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123	ALL	464683.4	3807722	1.49E-07	0.9YrCance	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1124	ALL	464703.4	3807722	1.47E-07	0.9YrCance	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125	ALL	464723.4	3807722	1.45E-07	0.9YrCance	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126	ALL	464743.4	3807722	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1127	ALL	464763.4	3807722	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1128	ALL	464783.4	3807722	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129	ALL	464803.4	3807722	1.40E-07	0.9YrCance	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130	ALL	464823.4	3807722	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131	ALL	464843.4	3807722	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132	ALL	464863.4	3807722	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133	ALL	464883.4	3807722	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134	ALL	464903.4	3807722	1.28E-07	0.9YrCance	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135	ALL	464923.4	3807722	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136	ALL	464943.4	3807722	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137	ALL	464963.4	3807722	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138	ALL	464983.4	3807722	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139	ALL	465003.4	3807722	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140	ALL	465023.4	3807722	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141	ALL	465043.4	3807722	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142	ALL	465063.4	3807722	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1143 ALL	465083.4	3807722	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144 ALL	465103.4	3807722	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145 ALL	465123.4	3807722	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146 ALL	465143.4	3807722	9.94E-08	0.9YrCance	9.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147 ALL	465163.4	3807722	9.75E-08	0.9YrCance	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148 ALL	465183.4	3807722	9.56E-08	0.9YrCance	9.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1149 ALL	465203.4	3807722	9.37E-08	0.9YrCance	9.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150 ALL	465223.4	3807722	9.19E-08	0.9YrCance	9.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151 ALL	465243.4	3807722	9.01E-08	0.9YrCance	9.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152 ALL	465263.4	3807722	8.84E-08	0.9YrCance	8.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153 ALL	465283.4	3807722	8.67E-08	0.9YrCance	8.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154 ALL	465303.4	3807722	8.51E-08	0.9YrCance	8.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155 ALL	465323.4	3807722	8.36E-08	0.9YrCance	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156 ALL	465343.4	3807722	8.20E-08	0.9YrCance	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157 ALL	465363.4	3807722	8.05E-08	0.9YrCance	8.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158 ALL	465383.4	3807722	7.91E-08	0.9YrCance	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159 ALL	464543.4	3807742	1.74E-07	0.9YrCance	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160 ALL	464563.4	3807742	1.53E-07	0.9YrCance	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161 ALL	464583.4	3807742	1.47E-07	0.9YrCance	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162 ALL	464603.4	3807742	1.40E-07	0.9YrCance	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163 ALL	464623.4	3807742	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164 ALL	464643.4	3807742	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165 ALL	464663.4	3807742	1.56E-07	0.9YrCance	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166 ALL	464683.4	3807742	1.56E-07	0.9YrCance	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1167 ALL	464703.4	3807742	1.52E-07	0.9YrCance	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168 ALL	464723.4	3807742	1.50E-07	0.9YrCance	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1169 ALL	464743.4	3807742	1.50E-07	0.9YrCance	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170 ALL	464763.4	3807742	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171 ALL	464783.4	3807742	1.47E-07	0.9YrCance	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172 ALL	464803.4	3807742	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173 ALL	464823.4	3807742	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174 ALL	464843.4	3807742	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175 ALL	464863.4	3807742	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1176 ALL	464883.4	3807742	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1177 ALL	464903.4	3807742	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178 ALL	464923.4	3807742	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179 ALL	464943.4	3807742	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180 ALL	464963.4	3807742	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181 ALL	464983.4	3807742	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182 ALL	465003.4	3807742	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183 ALL	465023.4	3807742	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184 ALL	465043.4	3807742	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185 ALL	465063.4	3807742	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186 ALL	465083.4	3807742	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1187	ALL	465103.4	3807742	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188	ALL	465123.4	3807742	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189	ALL	465143.4	3807742	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190	ALL	465163.4	3807742	9.88E-08	0.9YrCance	9.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191	ALL	465183.4	3807742	9.68E-08	0.9YrCance	9.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192	ALL	465203.4	3807742	9.49E-08	0.9YrCance	9.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193	ALL	465223.4	3807742	9.31E-08	0.9YrCance	9.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194	ALL	465243.4	3807742	9.12E-08	0.9YrCance	9.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1195	ALL	465263.4	3807742	8.95E-08	0.9YrCance	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196	ALL	465283.4	3807742	8.78E-08	0.9YrCance	8.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197	ALL	465303.4	3807742	8.62E-08	0.9YrCance	8.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198	ALL	465323.4	3807742	8.45E-08	0.9YrCance	8.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1199	ALL	465343.4	3807742	8.29E-08	0.9YrCance	8.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	ALL	465363.4	3807742	8.14E-08	0.9YrCance	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201	ALL	465383.4	3807742	7.99E-08	0.9YrCance	7.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202	ALL	464543.4	3807762	2.01E-07	0.9YrCance	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203	ALL	464563.4	3807762	1.84E-07	0.9YrCance	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1204	ALL	464583.4	3807762	1.68E-07	0.9YrCance	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1205	ALL	464603.4	3807762	1.53E-07	0.9YrCance	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206	ALL	464623.4	3807762	1.49E-07	0.9YrCance	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207	ALL	464643.4	3807762	1.65E-07	0.9YrCance	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208	ALL	464663.4	3807762	1.62E-07	0.9YrCance	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209	ALL	464683.4	3807762	1.59E-07	0.9YrCance	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210	ALL	464703.4	3807762	1.55E-07	0.9YrCance	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211	ALL	464723.4	3807762	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212	ALL	464743.4	3807762	1.55E-07	0.9YrCance	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213	ALL	464763.4	3807762	1.52E-07	0.9YrCance	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1214	ALL	464783.4	3807762	1.51E-07	0.9YrCance	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215	ALL	464803.4	3807762	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216	ALL	464823.4	3807762	1.45E-07	0.9YrCance	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217	ALL	464843.4	3807762	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218	ALL	464863.4	3807762	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219	ALL	464883.4	3807762	1.35E-07	0.9YrCance	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220	ALL	464903.4	3807762	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221	ALL	464923.4	3807762	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1222	ALL	464943.4	3807762	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223	ALL	464963.4	3807762	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224	ALL	464983.4	3807762	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1225	ALL	465003.4	3807762	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1226	ALL	465023.4	3807762	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1227	ALL	465043.4	3807762	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1228	ALL	465063.4	3807762	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1229	ALL	465083.4	3807762	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1230	ALL	465103.4	3807762	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1231	ALL	465123.4	3807762	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1232	ALL	465143.4	3807762	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1233	ALL	465163.4	3807762	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1234	ALL	465183.4	3807762	9.81E-08	0.9YrCance	9.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1235	ALL	465203.4	3807762	9.61E-08	0.9YrCance	9.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1236	ALL	465223.4	3807762	9.42E-08	0.9YrCance	9.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1237	ALL	465243.4	3807762	9.24E-08	0.9YrCance	9.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1238	ALL	465263.4	3807762	9.06E-08	0.9YrCance	9.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1239	ALL	465283.4	3807762	8.89E-08	0.9YrCance	8.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1240	ALL	465303.4	3807762	8.72E-08	0.9YrCance	8.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1241	ALL	465323.4	3807762	8.55E-08	0.9YrCance	8.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1242	ALL	465343.4	3807762	8.39E-08	0.9YrCance	8.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1243	ALL	465363.4	3807762	8.23E-08	0.9YrCance	8.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1244	ALL	465383.4	3807762	8.08E-08	0.9YrCance	8.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1245	ALL	464543.4	3807782	2.12E-07	0.9YrCance	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1246	ALL	464563.4	3807782	2.05E-07	0.9YrCance	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1247	ALL	464583.4	3807782	1.96E-07	0.9YrCance	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1248	ALL	464603.4	3807782	1.89E-07	0.9YrCance	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1249	ALL	464623.4	3807782	1.78E-07	0.9YrCance	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1250	ALL	464643.4	3807782	1.72E-07	0.9YrCance	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1251	ALL	464663.4	3807782	1.74E-07	0.9YrCance	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1252	ALL	464683.4	3807782	1.70E-07	0.9YrCance	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1253	ALL	464703.4	3807782	1.66E-07	0.9YrCance	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1254	ALL	464723.4	3807782	1.62E-07	0.9YrCance	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1255	ALL	464743.4	3807782	1.60E-07	0.9YrCance	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1256	ALL	464763.4	3807782	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1257	ALL	464783.4	3807782	1.55E-07	0.9YrCance	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1258	ALL	464803.4	3807782	1.51E-07	0.9YrCance	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1259	ALL	464823.4	3807782	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1260	ALL	464843.4	3807782	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1261	ALL	464863.4	3807782	1.41E-07	0.9YrCance	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1262	ALL	464883.4	3807782	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1263	ALL	464903.4	3807782	1.35E-07	0.9YrCance	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1264	ALL	464923.4	3807782	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1265	ALL	464943.4	3807782	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1266	ALL	464963.4	3807782	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1267	ALL	464983.4	3807782	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1268	ALL	465003.4	3807782	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1269	ALL	465023.4	3807782	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1270	ALL	465043.4	3807782	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1271	ALL	465063.4	3807782	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1272	ALL	465083.4	3807782	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1273	ALL	465103.4	3807782	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1274	ALL	465123.4	3807782	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1275 ALL	465143.4	3807782	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1276 ALL	465163.4	3807782	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1277 ALL	465183.4	3807782	9.94E-08	0.9YrCance	9.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1278 ALL	465203.4	3807782	9.74E-08	0.9YrCance	9.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1279 ALL	465223.4	3807782	9.54E-08	0.9YrCance	9.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1280 ALL	465243.4	3807782	9.35E-08	0.9YrCance	9.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1281 ALL	465263.4	3807782	9.17E-08	0.9YrCance	9.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1282 ALL	465283.4	3807782	8.99E-08	0.9YrCance	8.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1283 ALL	465303.4	3807782	8.82E-08	0.9YrCance	8.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1284 ALL	465323.4	3807782	8.65E-08	0.9YrCance	8.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1285 ALL	465343.4	3807782	8.48E-08	0.9YrCance	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1286 ALL	465363.4	3807782	8.32E-08	0.9YrCance	8.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1287 ALL	465383.4	3807782	8.17E-08	0.9YrCance	8.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1288 ALL	464543.4	3807802	2.18E-07	0.9YrCance	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1289 ALL	464563.4	3807802	2.12E-07	0.9YrCance	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1290 ALL	464583.4	3807802	2.06E-07	0.9YrCance	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1291 ALL	464603.4	3807802	2.00E-07	0.9YrCance	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1292 ALL	464623.4	3807802	1.92E-07	0.9YrCance	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1293 ALL	464643.4	3807802	1.83E-07	0.9YrCance	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1294 ALL	464663.4	3807802	1.79E-07	0.9YrCance	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1295 ALL	464683.4	3807802	1.76E-07	0.9YrCance	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1296 ALL	464703.4	3807802	1.72E-07	0.9YrCance	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1297 ALL	464723.4	3807802	1.68E-07	0.9YrCance	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1298 ALL	464743.4	3807802	1.65E-07	0.9YrCance	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1299 ALL	464763.4	3807802	1.62E-07	0.9YrCance	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1300 ALL	464783.4	3807802	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1301 ALL	464803.4	3807802	1.55E-07	0.9YrCance	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1302 ALL	464823.4	3807802	1.51E-07	0.9YrCance	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1303 ALL	464843.4	3807802	1.47E-07	0.9YrCance	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1304 ALL	464863.4	3807802	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1305 ALL	464883.4	3807802	1.40E-07	0.9YrCance	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1306 ALL	464903.4	3807802	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1307 ALL	464923.4	3807802	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1308 ALL	464943.4	3807802	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1309 ALL	464963.4	3807802	1.28E-07	0.9YrCance	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1310 ALL	464983.4	3807802	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1311 ALL	465003.4	3807802	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1312 ALL	465023.4	3807802	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1313 ALL	465043.4	3807802	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1314 ALL	465063.4	3807802	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1315 ALL	465083.4	3807802	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1316 ALL	465103.4	3807802	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1317 ALL	465123.4	3807802	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1318 ALL	465143.4	3807802	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1319	ALL	465163.4	3807802	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1320	ALL	465183.4	3807802	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1321	ALL	465203.4	3807802	9.87E-08	0.9YrCance	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1322	ALL	465223.4	3807802	9.67E-08	0.9YrCance	9.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1323	ALL	465243.4	3807802	9.47E-08	0.9YrCance	9.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1324	ALL	465263.4	3807802	9.28E-08	0.9YrCance	9.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1325	ALL	465283.4	3807802	9.10E-08	0.9YrCance	9.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1326	ALL	465303.4	3807802	8.93E-08	0.9YrCance	8.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1327	ALL	465323.4	3807802	8.75E-08	0.9YrCance	8.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1328	ALL	465343.4	3807802	8.58E-08	0.9YrCance	8.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1329	ALL	465363.4	3807802	8.42E-08	0.9YrCance	8.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1330	ALL	465383.4	3807802	8.27E-08	0.9YrCance	8.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1331	ALL	464543.4	3807822	2.24E-07	0.9YrCance	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1332	ALL	464563.4	3807822	2.18E-07	0.9YrCance	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1333	ALL	464583.4	3807822	2.12E-07	0.9YrCance	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1334	ALL	464603.4	3807822	2.06E-07	0.9YrCance	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1335	ALL	464623.4	3807822	1.99E-07	0.9YrCance	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1336	ALL	464643.4	3807822	1.92E-07	0.9YrCance	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1337	ALL	464663.4	3807822	1.84E-07	0.9YrCance	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1338	ALL	464683.4	3807822	1.81E-07	0.9YrCance	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1339	ALL	464703.4	3807822	1.76E-07	0.9YrCance	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1340	ALL	464723.4	3807822	1.73E-07	0.9YrCance	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1341	ALL	464743.4	3807822	1.70E-07	0.9YrCance	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1342	ALL	464763.4	3807822	1.66E-07	0.9YrCance	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1343	ALL	464783.4	3807822	1.62E-07	0.9YrCance	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1344	ALL	464803.4	3807822	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1345	ALL	464823.4	3807822	1.54E-07	0.9YrCance	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1346	ALL	464843.4	3807822	1.50E-07	0.9YrCance	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1347	ALL	464863.4	3807822	1.47E-07	0.9YrCance	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1348	ALL	464883.4	3807822	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1349	ALL	464903.4	3807822	1.40E-07	0.9YrCance	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1350	ALL	464923.4	3807822	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1351	ALL	464943.4	3807822	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1352	ALL	464963.4	3807822	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1353	ALL	464983.4	3807822	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1354	ALL	465003.4	3807822	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1355	ALL	465023.4	3807822	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1356	ALL	465043.4	3807822	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1357	ALL	465063.4	3807822	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1358	ALL	465083.4	3807822	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1359	ALL	465103.4	3807822	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1360	ALL	465123.4	3807822	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1361	ALL	465143.4	3807822	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1362	ALL	465163.4	3807822	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1363	ALL	465183.4	3807822	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1364	ALL	465203.4	3807822	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1365	ALL	465223.4	3807822	9.79E-08	0.9YrCance	9.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1366	ALL	465243.4	3807822	9.59E-08	0.9YrCance	9.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1367	ALL	465263.4	3807822	9.40E-08	0.9YrCance	9.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1368	ALL	465283.4	3807822	9.22E-08	0.9YrCance	9.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1369	ALL	465303.4	3807822	9.03E-08	0.9YrCance	9.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1370	ALL	465323.4	3807822	8.86E-08	0.9YrCance	8.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1371	ALL	465343.4	3807822	8.69E-08	0.9YrCance	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1372	ALL	465363.4	3807822	8.53E-08	0.9YrCance	8.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1373	ALL	465383.4	3807822	8.36E-08	0.9YrCance	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1374	ALL	464543.4	3807842	2.29E-07	0.9YrCance	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1375	ALL	464563.4	3807842	2.22E-07	0.9YrCance	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1376	ALL	464583.4	3807842	2.17E-07	0.9YrCance	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1377	ALL	464603.4	3807842	2.11E-07	0.9YrCance	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1378	ALL	464623.4	3807842	2.05E-07	0.9YrCance	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1379	ALL	464643.4	3807842	1.99E-07	0.9YrCance	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1380	ALL	464663.4	3807842	1.93E-07	0.9YrCance	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1381	ALL	464683.4	3807842	1.87E-07	0.9YrCance	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1382	ALL	464723.4	3807842	1.78E-07	0.9YrCance	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1383	ALL	464743.4	3807842	1.74E-07	0.9YrCance	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1384	ALL	464763.4	3807842	1.69E-07	0.9YrCance	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1385	ALL	464783.4	3807842	1.65E-07	0.9YrCance	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1386	ALL	464803.4	3807842	1.61E-07	0.9YrCance	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1387	ALL	464823.4	3807842	1.57E-07	0.9YrCance	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1388	ALL	464843.4	3807842	1.53E-07	0.9YrCance	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1389	ALL	464863.4	3807842	1.49E-07	0.9YrCance	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1390	ALL	464883.4	3807842	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1391	ALL	464903.4	3807842	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1392	ALL	464923.4	3807842	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1393	ALL	464943.4	3807842	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1394	ALL	464963.4	3807842	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1395	ALL	464983.4	3807842	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1396	ALL	465003.4	3807842	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1397	ALL	465023.4	3807842	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1398	ALL	465043.4	3807842	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1399	ALL	465063.4	3807842	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1400	ALL	465083.4	3807842	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1401	ALL	465103.4	3807842	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1402	ALL	465123.4	3807842	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1403	ALL	465143.4	3807842	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1404	ALL	465163.4	3807842	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1405	ALL	465183.4	3807842	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1406	ALL	465203.4	3807842	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1407	ALL	465223.4	3807842	9.92E-08	0.9YrCance	9.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1408	ALL	465243.4	3807842	9.71E-08	0.9YrCance	9.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1409	ALL	465263.4	3807842	9.52E-08	0.9YrCance	9.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1410	ALL	465283.4	3807842	9.33E-08	0.9YrCance	9.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1411	ALL	465303.4	3807842	9.14E-08	0.9YrCance	9.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1412	ALL	465323.4	3807842	8.97E-08	0.9YrCance	8.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1413	ALL	465343.4	3807842	8.80E-08	0.9YrCance	8.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1414	ALL	465363.4	3807842	8.63E-08	0.9YrCance	8.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1415	ALL	465383.4	3807842	8.46E-08	0.9YrCance	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1416	ALL	464503.4	3807862	2.49E-07	0.9YrCance	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1417	ALL	464523.4	3807862	2.41E-07	0.9YrCance	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1418	ALL	464543.4	3807862	2.34E-07	0.9YrCance	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1419	ALL	464563.4	3807862	2.27E-07	0.9YrCance	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1420	ALL	464583.4	3807862	2.21E-07	0.9YrCance	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1421	ALL	464603.4	3807862	2.16E-07	0.9YrCance	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1422	ALL	464723.4	3807862	1.83E-07	0.9YrCance	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1423	ALL	464743.4	3807862	1.78E-07	0.9YrCance	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1424	ALL	464763.4	3807862	1.73E-07	0.9YrCance	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1425	ALL	464783.4	3807862	1.69E-07	0.9YrCance	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1426	ALL	464803.4	3807862	1.64E-07	0.9YrCance	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1427	ALL	464823.4	3807862	1.60E-07	0.9YrCance	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1428	ALL	464843.4	3807862	1.56E-07	0.9YrCance	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1429	ALL	464863.4	3807862	1.52E-07	0.9YrCance	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1430	ALL	464883.4	3807862	1.49E-07	0.9YrCance	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1431	ALL	464903.4	3807862	1.45E-07	0.9YrCance	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1432	ALL	464923.4	3807862	1.41E-07	0.9YrCance	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1433	ALL	464943.4	3807862	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1434	ALL	464963.4	3807862	1.35E-07	0.9YrCance	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1435	ALL	464983.4	3807862	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1436	ALL	465003.4	3807862	1.28E-07	0.9YrCance	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1437	ALL	465023.4	3807862	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1438	ALL	465043.4	3807862	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1439	ALL	465063.4	3807862	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1440	ALL	465083.4	3807862	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1441	ALL	465103.4	3807862	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1442	ALL	465123.4	3807862	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1443	ALL	465143.4	3807862	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1444	ALL	465163.4	3807862	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1445	ALL	465183.4	3807862	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1446	ALL	465203.4	3807862	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1447	ALL	465223.4	3807862	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1448	ALL	465243.4	3807862	9.84E-08	0.9YrCance	9.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1449	ALL	465263.4	3807862	9.64E-08	0.9YrCance	9.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1450	ALL	465283.4	3807862	9.45E-08	0.9YrCance	9.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1451	ALL	465303.4	3807862	9.26E-08	0.9YrCance	9.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1452	ALL	465323.4	3807862	9.08E-08	0.9YrCance	9.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1453	ALL	465343.4	3807862	8.91E-08	0.9YrCance	8.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1454	ALL	465363.4	3807862	8.73E-08	0.9YrCance	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1455	ALL	465383.4	3807862	8.56E-08	0.9YrCance	8.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1456	ALL	464503.4	3807882	2.56E-07	0.9YrCance	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1457	ALL	464523.4	3807882	2.47E-07	0.9YrCance	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1458	ALL	464543.4	3807882	2.40E-07	0.9YrCance	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1459	ALL	464723.4	3807882	1.87E-07	0.9YrCance	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1460	ALL	464743.4	3807882	1.82E-07	0.9YrCance	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1461	ALL	464763.4	3807882	1.77E-07	0.9YrCance	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1462	ALL	464783.4	3807882	1.72E-07	0.9YrCance	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1463	ALL	464803.4	3807882	1.68E-07	0.9YrCance	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1464	ALL	464823.4	3807882	1.64E-07	0.9YrCance	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1465	ALL	464843.4	3807882	1.59E-07	0.9YrCance	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1466	ALL	464863.4	3807882	1.55E-07	0.9YrCance	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1467	ALL	464883.4	3807882	1.51E-07	0.9YrCance	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1468	ALL	464903.4	3807882	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1469	ALL	464923.4	3807882	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1470	ALL	464943.4	3807882	1.40E-07	0.9YrCance	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1471	ALL	464963.4	3807882	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1472	ALL	464983.4	3807882	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1473	ALL	465003.4	3807882	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1474	ALL	465023.4	3807882	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1475	ALL	465043.4	3807882	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1476	ALL	465063.4	3807882	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1477	ALL	465083.4	3807882	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1478	ALL	465103.4	3807882	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1479	ALL	465123.4	3807882	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1480	ALL	465143.4	3807882	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1481	ALL	465163.4	3807882	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1482	ALL	465183.4	3807882	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1483	ALL	465203.4	3807882	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1484	ALL	465223.4	3807882	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1485	ALL	465243.4	3807882	9.97E-08	0.9YrCance	9.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1486	ALL	465263.4	3807882	9.77E-08	0.9YrCance	9.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1487	ALL	465283.4	3807882	9.58E-08	0.9YrCance	9.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1488	ALL	465303.4	3807882	9.38E-08	0.9YrCance	9.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1489	ALL	465323.4	3807882	9.19E-08	0.9YrCance	9.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1490	ALL	465343.4	3807882	9.02E-08	0.9YrCance	9.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1491	ALL	465363.4	3807882	8.84E-08	0.9YrCance	8.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1492	ALL	465383.4	3807882	8.67E-08	0.9YrCance	8.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1493	ALL	464723.4	3807902	1.91E-07	0.9YrCance	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1494	ALL	464743.4	3807902	1.86E-07	0.9YrCance	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1495	ALL	464763.4	3807902	1.81E-07	0.9YrCance	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1496	ALL	464783.4	3807902	1.76E-07	0.9YrCance	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1497	ALL	464803.4	3807902	1.71E-07	0.9YrCance	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1498	ALL	464823.4	3807902	1.67E-07	0.9YrCance	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1499	ALL	464843.4	3807902	1.62E-07	0.9YrCance	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1500	ALL	464863.4	3807902	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1501	ALL	464883.4	3807902	1.54E-07	0.9YrCance	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1502	ALL	464903.4	3807902	1.50E-07	0.9YrCance	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1503	ALL	464923.4	3807902	1.47E-07	0.9YrCance	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1504	ALL	464943.4	3807902	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1505	ALL	464963.4	3807902	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1506	ALL	464983.4	3807902	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1507	ALL	465003.4	3807902	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1508	ALL	465023.4	3807902	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1509	ALL	465043.4	3807902	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1510	ALL	465063.4	3807902	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1511	ALL	465083.4	3807902	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1512	ALL	465103.4	3807902	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1513	ALL	465123.4	3807902	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1514	ALL	465143.4	3807902	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1515	ALL	465163.4	3807902	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1516	ALL	465183.4	3807902	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1517	ALL	465203.4	3807902	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1518	ALL	465223.4	3807902	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1519	ALL	465243.4	3807902	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1520	ALL	465263.4	3807902	9.90E-08	0.9YrCance	9.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1521	ALL	465283.4	3807902	9.70E-08	0.9YrCance	9.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1522	ALL	465303.4	3807902	9.50E-08	0.9YrCance	9.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1523	ALL	465323.4	3807902	9.31E-08	0.9YrCance	9.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1524	ALL	465343.4	3807902	9.13E-08	0.9YrCance	9.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1525	ALL	465363.4	3807902	8.95E-08	0.9YrCance	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1526	ALL	465383.4	3807902	8.78E-08	0.9YrCance	8.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1527	ALL	464723.4	3807922	1.96E-07	0.9YrCance	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1528	ALL	464743.4	3807922	1.90E-07	0.9YrCance	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1529	ALL	464763.4	3807922	1.85E-07	0.9YrCance	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1530	ALL	464783.4	3807922	1.80E-07	0.9YrCance	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1531	ALL	464803.4	3807922	1.75E-07	0.9YrCance	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1532	ALL	464823.4	3807922	1.70E-07	0.9YrCance	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1533	ALL	464843.4	3807922	1.66E-07	0.9YrCance	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1534	ALL	464863.4	3807922	1.61E-07	0.9YrCance	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1535	ALL	464883.4	3807922	1.57E-07	0.9YrCance	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1536	ALL	464903.4	3807922	1.53E-07	0.9YrCance	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1537	ALL	464923.4	3807922	1.49E-07	0.9YrCance	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1538	ALL	464943.4	3807922	1.45E-07	0.9YrCance	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1539	ALL	464963.4	3807922	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1540	ALL	464983.4	3807922	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1541	ALL	465003.4	3807922	1.35E-07	0.9YrCance	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1542	ALL	465023.4	3807922	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1543	ALL	465043.4	3807922	1.28E-07	0.9YrCance	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1544	ALL	465063.4	3807922	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1545	ALL	465083.4	3807922	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1546	ALL	465103.4	3807922	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1547	ALL	465123.4	3807922	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1548	ALL	465143.4	3807922	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1549	ALL	465163.4	3807922	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1550	ALL	465183.4	3807922	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1551	ALL	465203.4	3807922	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1552	ALL	465223.4	3807922	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1553	ALL	465243.4	3807922	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1554	ALL	465263.4	3807922	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1555	ALL	465283.4	3807922	9.83E-08	0.9YrCance	9.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1556	ALL	465303.4	3807922	9.63E-08	0.9YrCance	9.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1557	ALL	465323.4	3807922	9.44E-08	0.9YrCance	9.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1558	ALL	465343.4	3807922	9.25E-08	0.9YrCance	9.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1559	ALL	465363.4	3807922	9.07E-08	0.9YrCance	9.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1560	ALL	465383.4	3807922	8.90E-08	0.9YrCance	8.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1561	ALL	464723.4	3807942	2.00E-07	0.9YrCance	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1562	ALL	464743.4	3807942	1.95E-07	0.9YrCance	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1563	ALL	464763.4	3807942	1.89E-07	0.9YrCance	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1564	ALL	464783.4	3807942	1.84E-07	0.9YrCance	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1565	ALL	464803.4	3807942	1.79E-07	0.9YrCance	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1566	ALL	464823.4	3807942	1.74E-07	0.9YrCance	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1567	ALL	464843.4	3807942	1.69E-07	0.9YrCance	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1568	ALL	464863.4	3807942	1.65E-07	0.9YrCance	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1569	ALL	464883.4	3807942	1.60E-07	0.9YrCance	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1570	ALL	464903.4	3807942	1.56E-07	0.9YrCance	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1571	ALL	464923.4	3807942	1.52E-07	0.9YrCance	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1572	ALL	464943.4	3807942	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1573	ALL	464963.4	3807942	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1574	ALL	464983.4	3807942	1.41E-07	0.9YrCance	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1575	ALL	465003.4	3807942	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1576	ALL	465023.4	3807942	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1577	ALL	465043.4	3807942	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1578	ALL	465063.4	3807942	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1579	ALL	465083.4	3807942	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1580	ALL	465103.4	3807942	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1581	ALL	465123.4	3807942	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1582	ALL	465143.4	3807942	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1583 ALL	465163.4	3807942	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1584 ALL	465183.4	3807942	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1585 ALL	465203.4	3807942	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1586 ALL	465223.4	3807942	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1587 ALL	465243.4	3807942	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1588 ALL	465263.4	3807942	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1589 ALL	465283.4	3807942	9.96E-08	0.9YrCance	9.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1590 ALL	465303.4	3807942	9.76E-08	0.9YrCance	9.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1591 ALL	465323.4	3807942	9.57E-08	0.9YrCance	9.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1592 ALL	465343.4	3807942	9.38E-08	0.9YrCance	9.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1593 ALL	465363.4	3807942	9.20E-08	0.9YrCance	9.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1594 ALL	465383.4	3807942	9.02E-08	0.9YrCance	9.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1595 ALL	465403.4	3807942	8.84E-08	0.9YrCance	8.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1596 ALL	465423.4	3807942	8.68E-08	0.9YrCance	8.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1597 ALL	465443.4	3807942	8.52E-08	0.9YrCance	8.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1598 ALL	465463.4	3807942	8.36E-08	0.9YrCance	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1599 ALL	465483.4	3807942	8.21E-08	0.9YrCance	8.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1600 ALL	465503.4	3807942	8.07E-08	0.9YrCance	8.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1601 ALL	465523.4	3807942	7.93E-08	0.9YrCance	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1602 ALL	465543.4	3807942	7.78E-08	0.9YrCance	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1603 ALL	465563.4	3807942	7.64E-08	0.9YrCance	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1604 ALL	465583.4	3807942	7.51E-08	0.9YrCance	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1605 ALL	465603.4	3807942	7.39E-08	0.9YrCance	7.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1606 ALL	465623.4	3807942	7.26E-08	0.9YrCance	7.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1607 ALL	465643.4	3807942	7.13E-08	0.9YrCance	7.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1608 ALL	465663.4	3807942	7.02E-08	0.9YrCance	7.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1609 ALL	465683.4	3807942	6.90E-08	0.9YrCance	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1610 ALL	465703.4	3807942	6.78E-08	0.9YrCance	6.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1611 ALL	464723.4	3807962	2.04E-07	0.9YrCance	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1612 ALL	464743.4	3807962	1.99E-07	0.9YrCance	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1613 ALL	464763.4	3807962	1.93E-07	0.9YrCance	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1614 ALL	464783.4	3807962	1.88E-07	0.9YrCance	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1615 ALL	464803.4	3807962	1.83E-07	0.9YrCance	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1616 ALL	464823.4	3807962	1.77E-07	0.9YrCance	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1617 ALL	464843.4	3807962	1.73E-07	0.9YrCance	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1618 ALL	464863.4	3807962	1.68E-07	0.9YrCance	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1619 ALL	464883.4	3807962	1.63E-07	0.9YrCance	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1620 ALL	464903.4	3807962	1.59E-07	0.9YrCance	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1621 ALL	464923.4	3807962	1.55E-07	0.9YrCance	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1622 ALL	464943.4	3807962	1.51E-07	0.9YrCance	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1623 ALL	464963.4	3807962	1.47E-07	0.9YrCance	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1624 ALL	464983.4	3807962	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1625 ALL	465003.4	3807962	1.40E-07	0.9YrCance	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1626 ALL	465023.4	3807962	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1627	ALL	465043.4	3807962	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1628	ALL	465063.4	3807962	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1629	ALL	465083.4	3807962	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1630	ALL	465103.4	3807962	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1631	ALL	465123.4	3807962	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1632	ALL	465143.4	3807962	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1633	ALL	465163.4	3807962	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1634	ALL	465183.4	3807962	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1635	ALL	465203.4	3807962	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1636	ALL	465223.4	3807962	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1637	ALL	465243.4	3807962	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1638	ALL	465263.4	3807962	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1639	ALL	465283.4	3807962	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1640	ALL	465303.4	3807962	9.91E-08	0.9YrCance	9.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1641	ALL	465323.4	3807962	9.71E-08	0.9YrCance	9.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1642	ALL	465343.4	3807962	9.51E-08	0.9YrCance	9.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1643	ALL	465363.4	3807962	9.33E-08	0.9YrCance	9.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1644	ALL	465383.4	3807962	9.15E-08	0.9YrCance	9.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1645	ALL	465403.4	3807962	8.97E-08	0.9YrCance	8.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1646	ALL	465423.4	3807962	8.79E-08	0.9YrCance	8.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1647	ALL	465443.4	3807962	8.63E-08	0.9YrCance	8.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1648	ALL	465463.4	3807962	8.48E-08	0.9YrCance	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1649	ALL	465483.4	3807962	8.32E-08	0.9YrCance	8.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1650	ALL	465503.4	3807962	8.17E-08	0.9YrCance	8.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1651	ALL	465523.4	3807962	8.03E-08	0.9YrCance	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1652	ALL	465543.4	3807962	7.89E-08	0.9YrCance	7.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1653	ALL	465563.4	3807962	7.75E-08	0.9YrCance	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1654	ALL	465583.4	3807962	7.62E-08	0.9YrCance	7.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1655	ALL	465603.4	3807962	7.48E-08	0.9YrCance	7.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1656	ALL	465623.4	3807962	7.35E-08	0.9YrCance	7.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1657	ALL	465643.4	3807962	7.23E-08	0.9YrCance	7.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1658	ALL	465663.4	3807962	7.11E-08	0.9YrCance	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1659	ALL	465683.4	3807962	6.99E-08	0.9YrCance	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1660	ALL	465703.4	3807962	6.87E-08	0.9YrCance	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1661	ALL	464743.4	3807982	2.03E-07	0.9YrCance	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1662	ALL	464763.4	3807982	1.98E-07	0.9YrCance	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1663	ALL	464783.4	3807982	1.92E-07	0.9YrCance	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1664	ALL	464803.4	3807982	1.86E-07	0.9YrCance	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1665	ALL	464823.4	3807982	1.81E-07	0.9YrCance	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1666	ALL	464843.4	3807982	1.76E-07	0.9YrCance	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1667	ALL	464863.4	3807982	1.71E-07	0.9YrCance	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1668	ALL	464883.4	3807982	1.67E-07	0.9YrCance	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1669	ALL	464903.4	3807982	1.62E-07	0.9YrCance	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1670	ALL	464923.4	3807982	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1671	ALL	464943.4	3807982	1.54E-07	0.9YrCance	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1672	ALL	464963.4	3807982	1.50E-07	0.9YrCance	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1673	ALL	464983.4	3807982	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1674	ALL	465003.4	3807982	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1675	ALL	465023.4	3807982	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1676	ALL	465043.4	3807982	1.35E-07	0.9YrCance	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1677	ALL	465063.4	3807982	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1678	ALL	465083.4	3807982	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1679	ALL	465103.4	3807982	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1680	ALL	465123.4	3807982	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1681	ALL	465143.4	3807982	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1682	ALL	465163.4	3807982	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1683	ALL	465183.4	3807982	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1684	ALL	465203.4	3807982	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1685	ALL	465223.4	3807982	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1686	ALL	465243.4	3807982	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1687	ALL	465263.4	3807982	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1688	ALL	465283.4	3807982	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1689	ALL	465303.4	3807982	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1690	ALL	465323.4	3807982	9.85E-08	0.9YrCance	9.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1691	ALL	465343.4	3807982	9.65E-08	0.9YrCance	9.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1692	ALL	465363.4	3807982	9.46E-08	0.9YrCance	9.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1693	ALL	465383.4	3807982	9.28E-08	0.9YrCance	9.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1694	ALL	465403.4	3807982	9.10E-08	0.9YrCance	9.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1695	ALL	465423.4	3807982	8.92E-08	0.9YrCance	8.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1696	ALL	465443.4	3807982	8.75E-08	0.9YrCance	8.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1697	ALL	465463.4	3807982	8.61E-08	0.9YrCance	8.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1698	ALL	465483.4	3807982	8.44E-08	0.9YrCance	8.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1699	ALL	465503.4	3807982	8.29E-08	0.9YrCance	8.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1700	ALL	465523.4	3807982	8.14E-08	0.9YrCance	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1701	ALL	465543.4	3807982	8.00E-08	0.9YrCance	8.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1702	ALL	465563.4	3807982	7.86E-08	0.9YrCance	7.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1703	ALL	465583.4	3807982	7.72E-08	0.9YrCance	7.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1704	ALL	465603.4	3807982	7.58E-08	0.9YrCance	7.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1705	ALL	465623.4	3807982	7.45E-08	0.9YrCance	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1706	ALL	465643.4	3807982	7.33E-08	0.9YrCance	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1707	ALL	465663.4	3807982	7.20E-08	0.9YrCance	7.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1708	ALL	465683.4	3807982	7.08E-08	0.9YrCance	7.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1709	ALL	465703.4	3807982	6.97E-08	0.9YrCance	6.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1710	ALL	464763.4	3808002	2.02E-07	0.9YrCance	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1711	ALL	464783.4	3808002	1.96E-07	0.9YrCance	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1712	ALL	464803.4	3808002	1.91E-07	0.9YrCance	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1713	ALL	464823.4	3808002	1.85E-07	0.9YrCance	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1714	ALL	464843.4	3808002	1.80E-07	0.9YrCance	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1715	ALL	464863.4	3808002	1.75E-07	0.9YrCance	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1716	ALL	464883.4	3808002	1.70E-07	0.9YrCance	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1717	ALL	464903.4	3808002	1.65E-07	0.9YrCance	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1718	ALL	464923.4	3808002	1.61E-07	0.9YrCance	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1719	ALL	464943.4	3808002	1.57E-07	0.9YrCance	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1720	ALL	464963.4	3808002	1.52E-07	0.9YrCance	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1721	ALL	464983.4	3808002	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1722	ALL	465003.4	3808002	1.45E-07	0.9YrCance	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1723	ALL	465023.4	3808002	1.41E-07	0.9YrCance	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1724	ALL	465043.4	3808002	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1725	ALL	465063.4	3808002	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1726	ALL	465083.4	3808002	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1727	ALL	465103.4	3808002	1.28E-07	0.9YrCance	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1728	ALL	465123.4	3808002	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1729	ALL	465143.4	3808002	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1730	ALL	465163.4	3808002	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1731	ALL	465183.4	3808002	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1732	ALL	465203.4	3808002	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1733	ALL	465223.4	3808002	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1734	ALL	465243.4	3808002	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1735	ALL	465263.4	3808002	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1736	ALL	465283.4	3808002	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1737	ALL	465303.4	3808002	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1738	ALL	465323.4	3808002	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1739	ALL	465343.4	3808002	9.80E-08	0.9YrCance	9.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1740	ALL	465363.4	3808002	9.60E-08	0.9YrCance	9.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1741	ALL	465383.4	3808002	9.41E-08	0.9YrCance	9.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1742	ALL	465403.4	3808002	9.23E-08	0.9YrCance	9.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1743	ALL	465423.4	3808002	9.06E-08	0.9YrCance	9.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1744	ALL	465443.4	3808002	8.89E-08	0.9YrCance	8.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1745	ALL	465463.4	3808002	8.73E-08	0.9YrCance	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1746	ALL	465483.4	3808002	8.57E-08	0.9YrCance	8.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1747	ALL	465503.4	3808002	8.41E-08	0.9YrCance	8.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1748	ALL	465523.4	3808002	8.26E-08	0.9YrCance	8.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1749	ALL	465543.4	3808002	8.11E-08	0.9YrCance	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1750	ALL	465563.4	3808002	7.96E-08	0.9YrCance	7.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1751	ALL	465583.4	3808002	7.83E-08	0.9YrCance	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1752	ALL	465603.4	3808002	7.69E-08	0.9YrCance	7.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1753	ALL	465623.4	3808002	7.56E-08	0.9YrCance	7.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1754	ALL	465643.4	3808002	7.43E-08	0.9YrCance	7.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1755	ALL	465663.4	3808002	7.30E-08	0.9YrCance	7.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1756	ALL	465683.4	3808002	7.18E-08	0.9YrCance	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1757	ALL	465703.4	3808002	7.07E-08	0.9YrCance	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1758	ALL	464763.4	3808022	2.06E-07	0.9YrCance	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1759	ALL	464783.4	3808022	2.00E-07	0.9YrCance	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1760	ALL	464803.4	3808022	1.94E-07	0.9YrCance	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1761	ALL	464823.4	3808022	1.89E-07	0.9YrCance	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1762	ALL	464843.4	3808022	1.83E-07	0.9YrCance	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1763	ALL	464863.4	3808022	1.78E-07	0.9YrCance	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1764	ALL	464883.4	3808022	1.73E-07	0.9YrCance	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1765	ALL	464903.4	3808022	1.68E-07	0.9YrCance	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1766	ALL	464923.4	3808022	1.64E-07	0.9YrCance	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1767	ALL	464943.4	3808022	1.60E-07	0.9YrCance	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1768	ALL	464963.4	3808022	1.55E-07	0.9YrCance	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1769	ALL	464983.4	3808022	1.51E-07	0.9YrCance	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1770	ALL	465003.4	3808022	1.47E-07	0.9YrCance	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1771	ALL	465023.4	3808022	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1772	ALL	465043.4	3808022	1.40E-07	0.9YrCance	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1773	ALL	465063.4	3808022	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1774	ALL	465083.4	3808022	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1775	ALL	465103.4	3808022	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1776	ALL	465123.4	3808022	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1777	ALL	465143.4	3808022	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1778	ALL	465163.4	3808022	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1779	ALL	465183.4	3808022	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1780	ALL	465203.4	3808022	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1781	ALL	465223.4	3808022	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1782	ALL	465243.4	3808022	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1783	ALL	465263.4	3808022	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1784	ALL	465283.4	3808022	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1785	ALL	465303.4	3808022	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1786	ALL	465323.4	3808022	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1787	ALL	465343.4	3808022	9.95E-08	0.9YrCance	9.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1788	ALL	465363.4	3808022	9.75E-08	0.9YrCance	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1789	ALL	465383.4	3808022	9.56E-08	0.9YrCance	9.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1790	ALL	465403.4	3808022	9.38E-08	0.9YrCance	9.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1791	ALL	465423.4	3808022	9.19E-08	0.9YrCance	9.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1792	ALL	465443.4	3808022	9.02E-08	0.9YrCance	9.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1793	ALL	465463.4	3808022	8.86E-08	0.9YrCance	8.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1794	ALL	465483.4	3808022	8.69E-08	0.9YrCance	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1795	ALL	465503.4	3808022	8.54E-08	0.9YrCance	8.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1796	ALL	465523.4	3808022	8.38E-08	0.9YrCance	8.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1797	ALL	465543.4	3808022	8.23E-08	0.9YrCance	8.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1798	ALL	465563.4	3808022	8.08E-08	0.9YrCance	8.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1799	ALL	465583.4	3808022	7.94E-08	0.9YrCance	7.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1800	ALL	465603.4	3808022	7.80E-08	0.9YrCance	7.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1801	ALL	465623.4	3808022	7.67E-08	0.9YrCance	7.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1802	ALL	465643.4	3808022	7.54E-08	0.9YrCance	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1803	ALL	465663.4	3808022	7.41E-08	0.9YrCance	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1804	ALL	465683.4	3808022	7.29E-08	0.9YrCance	7.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1805	ALL	465703.4	3808022	7.16E-08	0.9YrCance	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1806	ALL	464783.4	3808042	2.04E-07	0.9YrCance	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1807	ALL	464803.4	3808042	1.98E-07	0.9YrCance	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1808	ALL	464823.4	3808042	1.93E-07	0.9YrCance	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1809	ALL	464843.4	3808042	1.87E-07	0.9YrCance	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1810	ALL	464863.4	3808042	1.82E-07	0.9YrCance	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1811	ALL	464883.4	3808042	1.77E-07	0.9YrCance	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1812	ALL	464903.4	3808042	1.72E-07	0.9YrCance	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1813	ALL	464923.4	3808042	1.67E-07	0.9YrCance	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1814	ALL	464943.4	3808042	1.63E-07	0.9YrCance	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1815	ALL	464963.4	3808042	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1816	ALL	464983.4	3808042	1.54E-07	0.9YrCance	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1817	ALL	465003.4	3808042	1.50E-07	0.9YrCance	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1818	ALL	465023.4	3808042	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1819	ALL	465043.4	3808042	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1820	ALL	465063.4	3808042	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1821	ALL	465083.4	3808042	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1822	ALL	465103.4	3808042	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1823	ALL	465123.4	3808042	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1824	ALL	465143.4	3808042	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1825	ALL	465163.4	3808042	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1826	ALL	465183.4	3808042	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1827	ALL	465203.4	3808042	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1828	ALL	465223.4	3808042	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1829	ALL	465243.4	3808042	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1830	ALL	465263.4	3808042	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1831	ALL	465283.4	3808042	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1832	ALL	465303.4	3808042	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1833	ALL	465323.4	3808042	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1834	ALL	465343.4	3808042	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1835	ALL	465363.4	3808042	9.91E-08	0.9YrCance	9.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1836	ALL	465383.4	3808042	9.72E-08	0.9YrCance	9.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1837	ALL	465403.4	3808042	9.53E-08	0.9YrCance	9.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1838	ALL	465423.4	3808042	9.34E-08	0.9YrCance	9.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1839	ALL	465443.4	3808042	9.16E-08	0.9YrCance	9.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1840	ALL	465463.4	3808042	9.00E-08	0.9YrCance	9.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1841	ALL	465483.4	3808042	8.83E-08	0.9YrCance	8.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1842	ALL	465503.4	3808042	8.66E-08	0.9YrCance	8.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1843	ALL	465523.4	3808042	8.51E-08	0.9YrCance	8.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1844	ALL	465543.4	3808042	8.36E-08	0.9YrCance	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1845	ALL	465563.4	3808042	8.20E-08	0.9YrCance	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1846	ALL	465583.4	3808042	8.05E-08	0.9YrCance	8.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1847	ALL	465603.4	3808042	7.91E-08	0.9YrCance	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1848	ALL	465623.4	3808042	7.78E-08	0.9YrCance	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1849	ALL	465643.4	3808042	7.65E-08	0.9YrCance	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1850	ALL	465663.4	3808042	7.52E-08	0.9YrCance	7.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1851	ALL	465683.4	3808042	7.39E-08	0.9YrCance	7.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1852	ALL	465703.4	3808042	7.26E-08	0.9YrCance	7.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1853	ALL	464803.4	3808062	2.02E-07	0.9YrCance	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1854	ALL	464823.4	3808062	1.97E-07	0.9YrCance	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1855	ALL	464843.4	3808062	1.91E-07	0.9YrCance	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1856	ALL	464863.4	3808062	1.86E-07	0.9YrCance	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1857	ALL	464883.4	3808062	1.81E-07	0.9YrCance	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1858	ALL	464903.4	3808062	1.76E-07	0.9YrCance	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1859	ALL	464923.4	3808062	1.71E-07	0.9YrCance	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1860	ALL	464943.4	3808062	1.66E-07	0.9YrCance	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1861	ALL	464963.4	3808062	1.62E-07	0.9YrCance	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1862	ALL	464983.4	3808062	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1863	ALL	465003.4	3808062	1.53E-07	0.9YrCance	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1864	ALL	465023.4	3808062	1.49E-07	0.9YrCance	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1865	ALL	465043.4	3808062	1.45E-07	0.9YrCance	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1866	ALL	465063.4	3808062	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1867	ALL	465083.4	3808062	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1868	ALL	465103.4	3808062	1.35E-07	0.9YrCance	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1869	ALL	465123.4	3808062	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1870	ALL	465143.4	3808062	1.28E-07	0.9YrCance	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1871	ALL	465163.4	3808062	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1872	ALL	465183.4	3808062	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1873	ALL	465203.4	3808062	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1874	ALL	465223.4	3808062	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1875	ALL	465243.4	3808062	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1876	ALL	465263.4	3808062	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1877	ALL	465283.4	3808062	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1878	ALL	465303.4	3808062	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1879	ALL	465323.4	3808062	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1880	ALL	465343.4	3808062	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1881	ALL	465363.4	3808062	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1882	ALL	465383.4	3808062	9.87E-08	0.9YrCance	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1883	ALL	465403.4	3808062	9.68E-08	0.9YrCance	9.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1884	ALL	465423.4	3808062	9.49E-08	0.9YrCance	9.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1885	ALL	465443.4	3808062	9.31E-08	0.9YrCance	9.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1886	ALL	465463.4	3808062	9.14E-08	0.9YrCance	9.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1887	ALL	465483.4	3808062	8.97E-08	0.9YrCance	8.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1888	ALL	465503.4	3808062	8.80E-08	0.9YrCance	8.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1889	ALL	465523.4	3808062	8.63E-08	0.9YrCance	8.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1890	ALL	465543.4	3808062	8.48E-08	0.9YrCance	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1891	ALL	465563.4	3808062	8.33E-08	0.9YrCance	8.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1892	ALL	465583.4	3808062	8.18E-08	0.9YrCance	8.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1893	ALL	465603.4	3808062	8.04E-08	0.9YrCance	8.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1894	ALL	465623.4	3808062	7.90E-08	0.9YrCance	7.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1895	ALL	465643.4	3808062	7.77E-08	0.9YrCance	7.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1896	ALL	465663.4	3808062	7.63E-08	0.9YrCance	7.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1897	ALL	465683.4	3808062	7.50E-08	0.9YrCance	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1898	ALL	465703.4	3808062	7.38E-08	0.9YrCance	7.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1899	ALL	464823.4	3808082	2.01E-07	0.9YrCance	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1900	ALL	464843.4	3808082	1.95E-07	0.9YrCance	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1901	ALL	464863.4	3808082	1.90E-07	0.9YrCance	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1902	ALL	464883.4	3808082	1.84E-07	0.9YrCance	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1903	ALL	464903.4	3808082	1.79E-07	0.9YrCance	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1904	ALL	464923.4	3808082	1.75E-07	0.9YrCance	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1905	ALL	464943.4	3808082	1.70E-07	0.9YrCance	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1906	ALL	464963.4	3808082	1.65E-07	0.9YrCance	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1907	ALL	464983.4	3808082	1.61E-07	0.9YrCance	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1908	ALL	465003.4	3808082	1.57E-07	0.9YrCance	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1909	ALL	465023.4	3808082	1.52E-07	0.9YrCance	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1910	ALL	465043.4	3808082	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1911	ALL	465063.4	3808082	1.45E-07	0.9YrCance	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1912	ALL	465083.4	3808082	1.41E-07	0.9YrCance	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1913	ALL	465103.4	3808082	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1914	ALL	465123.4	3808082	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1915	ALL	465143.4	3808082	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1916	ALL	465163.4	3808082	1.28E-07	0.9YrCance	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1917	ALL	465183.4	3808082	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1918	ALL	465203.4	3808082	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1919	ALL	465223.4	3808082	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1920	ALL	465243.4	3808082	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1921	ALL	465263.4	3808082	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1922	ALL	465283.4	3808082	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1923	ALL	465303.4	3808082	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1924	ALL	465323.4	3808082	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1925	ALL	465343.4	3808082	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1926	ALL	465363.4	3808082	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1927	ALL	465383.4	3808082	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1928	ALL	465403.4	3808082	9.84E-08	0.9YrCance	9.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1929	ALL	465423.4	3808082	9.65E-08	0.9YrCance	9.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1930	ALL	465443.4	3808082	9.46E-08	0.9YrCance	9.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1931	ALL	465463.4	3808082	9.29E-08	0.9YrCance	9.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1932	ALL	465483.4	3808082	9.11E-08	0.9YrCance	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1933	ALL	465503.4	3808082	8.94E-08	0.9YrCance	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1934	ALL	465523.4	3808082	8.77E-08	0.9YrCance	8.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1935	ALL	465543.4	3808082	8.61E-08	0.9YrCance	8.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1936	ALL	465563.4	3808082	8.45E-08	0.9YrCance	8.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1937	ALL	465583.4	3808082	8.31E-08	0.9YrCance	8.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1938	ALL	465603.4	3808082	8.16E-08	0.9YrCance	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1939	ALL	465623.4	3808082	8.02E-08	0.9YrCance	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1940	ALL	465643.4	3808082	7.88E-08	0.9YrCance	7.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1941	ALL	465663.4	3808082	7.75E-08	0.9YrCance	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1942	ALL	465683.4	3808082	7.62E-08	0.9YrCance	7.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1943	ALL	465703.4	3808082	7.49E-08	0.9YrCance	7.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1944	ALL	464843.4	3808102	1.99E-07	0.9YrCance	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1945	ALL	464863.4	3808102	1.94E-07	0.9YrCance	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1946	ALL	464883.4	3808102	1.89E-07	0.9YrCance	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1947	ALL	464903.4	3808102	1.84E-07	0.9YrCance	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1948	ALL	464923.4	3808102	1.79E-07	0.9YrCance	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1949	ALL	464943.4	3808102	1.74E-07	0.9YrCance	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1950	ALL	464963.4	3808102	1.69E-07	0.9YrCance	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1951	ALL	464983.4	3808102	1.64E-07	0.9YrCance	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1952	ALL	465003.4	3808102	1.60E-07	0.9YrCance	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1953	ALL	465023.4	3808102	1.56E-07	0.9YrCance	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1954	ALL	465043.4	3808102	1.52E-07	0.9YrCance	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1955	ALL	465063.4	3808102	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1956	ALL	465083.4	3808102	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1957	ALL	465103.4	3808102	1.40E-07	0.9YrCance	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1958	ALL	465123.4	3808102	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1959	ALL	465143.4	3808102	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1960	ALL	465163.4	3808102	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1961	ALL	465183.4	3808102	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1962	ALL	465203.4	3808102	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1963	ALL	465223.4	3808102	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1964	ALL	465243.4	3808102	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1965	ALL	465263.4	3808102	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1966	ALL	465283.4	3808102	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1967	ALL	465303.4	3808102	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1968	ALL	465323.4	3808102	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1969	ALL	465343.4	3808102	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1970	ALL	465363.4	3808102	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1971	ALL	465383.4	3808102	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1972	ALL	465403.4	3808102	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1973	ALL	465423.4	3808102	9.81E-08	0.9YrCance	9.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1974	ALL	465443.4	3808102	9.62E-08	0.9YrCance	9.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1975	ALL	465463.4	3808102	9.45E-08	0.9YrCance	9.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1976	ALL	465483.4	3808102	9.26E-08	0.9YrCance	9.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1977	ALL	465503.4	3808102	9.09E-08	0.9YrCance	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1978	ALL	465523.4	3808102	8.92E-08	0.9YrCance	8.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1979 ALL	465543.4	3808102	8.74E-08	0.9YrCance	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1980 ALL	465563.4	3808102	8.58E-08	0.9YrCance	8.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1981 ALL	465583.4	3808102	8.43E-08	0.9YrCance	8.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1982 ALL	465603.4	3808102	8.29E-08	0.9YrCance	8.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1983 ALL	465623.4	3808102	8.14E-08	0.9YrCance	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1984 ALL	465643.4	3808102	8.00E-08	0.9YrCance	8.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1985 ALL	465663.4	3808102	7.87E-08	0.9YrCance	7.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1986 ALL	465683.4	3808102	7.73E-08	0.9YrCance	7.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1987 ALL	465703.4	3808102	7.60E-08	0.9YrCance	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1988 ALL	464863.4	3808122	1.99E-07	0.9YrCance	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1989 ALL	464883.4	3808122	1.93E-07	0.9YrCance	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1990 ALL	464903.4	3808122	1.88E-07	0.9YrCance	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1991 ALL	464923.4	3808122	1.83E-07	0.9YrCance	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1992 ALL	464943.4	3808122	1.78E-07	0.9YrCance	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1993 ALL	464963.4	3808122	1.73E-07	0.9YrCance	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1994 ALL	464983.4	3808122	1.68E-07	0.9YrCance	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1995 ALL	465003.4	3808122	1.63E-07	0.9YrCance	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1996 ALL	465023.4	3808122	1.59E-07	0.9YrCance	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1997 ALL	465043.4	3808122	1.55E-07	0.9YrCance	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1998 ALL	465063.4	3808122	1.51E-07	0.9YrCance	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1999 ALL	465083.4	3808122	1.47E-07	0.9YrCance	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2000 ALL	465103.4	3808122	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2001 ALL	465123.4	3808122	1.40E-07	0.9YrCance	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2002 ALL	465143.4	3808122	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2003 ALL	465163.4	3808122	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2004 ALL	465183.4	3808122	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2005 ALL	465203.4	3808122	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2006 ALL	465223.4	3808122	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2007 ALL	465243.4	3808122	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2008 ALL	465263.4	3808122	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2009 ALL	465283.4	3808122	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2010 ALL	465303.4	3808122	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2011 ALL	465323.4	3808122	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2012 ALL	465343.4	3808122	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2013 ALL	465363.4	3808122	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2014 ALL	465383.4	3808122	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2015 ALL	465403.4	3808122	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2016 ALL	465423.4	3808122	9.98E-08	0.9YrCance	9.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2017 ALL	465443.4	3808122	9.79E-08	0.9YrCance	9.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2018 ALL	465463.4	3808122	9.61E-08	0.9YrCance	9.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2019 ALL	465483.4	3808122	9.42E-08	0.9YrCance	9.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2020 ALL	465503.4	3808122	9.24E-08	0.9YrCance	9.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2021 ALL	465523.4	3808122	9.06E-08	0.9YrCance	9.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2022 ALL	465543.4	3808122	8.89E-08	0.9YrCance	8.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2023 ALL	465563.4	3808122	8.73E-08	0.9YrCance	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2024 ALL	465583.4	3808122	8.58E-08	0.9YrCance	8.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2025 ALL	465603.4	3808122	8.43E-08	0.9YrCance	8.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2026 ALL	465623.4	3808122	8.28E-08	0.9YrCance	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2027 ALL	465643.4	3808122	8.13E-08	0.9YrCance	8.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2028 ALL	465663.4	3808122	7.98E-08	0.9YrCance	7.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2029 ALL	465683.4	3808122	7.85E-08	0.9YrCance	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2030 ALL	465703.4	3808122	7.72E-08	0.9YrCance	7.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2031 ALL	464883.4	3808142	1.98E-07	0.9YrCance	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2032 ALL	464903.4	3808142	1.92E-07	0.9YrCance	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2033 ALL	464923.4	3808142	1.87E-07	0.9YrCance	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2034 ALL	464943.4	3808142	1.82E-07	0.9YrCance	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2035 ALL	464963.4	3808142	1.77E-07	0.9YrCance	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2036 ALL	464983.4	3808142	1.72E-07	0.9YrCance	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2037 ALL	465003.4	3808142	1.67E-07	0.9YrCance	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2038 ALL	465023.4	3808142	1.63E-07	0.9YrCance	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2039 ALL	465043.4	3808142	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2040 ALL	465063.4	3808142	1.54E-07	0.9YrCance	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2041 ALL	465083.4	3808142	1.50E-07	0.9YrCance	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2042 ALL	465103.4	3808142	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2043 ALL	465123.4	3808142	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2044 ALL	465143.4	3808142	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2045 ALL	465163.4	3808142	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2046 ALL	465183.4	3808142	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2047 ALL	465203.4	3808142	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2048 ALL	465223.4	3808142	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2049 ALL	465243.4	3808142	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2050 ALL	465263.4	3808142	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2051 ALL	465283.4	3808142	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2052 ALL	465303.4	3808142	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2053 ALL	465323.4	3808142	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2054 ALL	465343.4	3808142	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2055 ALL	465363.4	3808142	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2056 ALL	465383.4	3808142	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2057 ALL	465403.4	3808142	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2058 ALL	465423.4	3808142	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2059 ALL	465443.4	3808142	9.96E-08	0.9YrCance	9.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2060 ALL	465463.4	3808142	9.77E-08	0.9YrCance	9.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2061 ALL	465483.4	3808142	9.58E-08	0.9YrCance	9.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2062 ALL	465503.4	3808142	9.40E-08	0.9YrCance	9.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2063 ALL	465523.4	3808142	9.21E-08	0.9YrCance	9.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2064 ALL	465543.4	3808142	9.04E-08	0.9YrCance	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2065 ALL	465563.4	3808142	8.87E-08	0.9YrCance	8.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2066 ALL	465583.4	3808142	8.71E-08	0.9YrCance	8.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2067 ALL	465603.4	3808142	8.56E-08	0.9YrCance	8.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2068 ALL	465623.4	3808142	8.41E-08	0.9YrCance	8.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2069 ALL	465643.4	3808142	8.26E-08	0.9YrCance	8.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2070 ALL	465663.4	3808142	8.11E-08	0.9YrCance	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2071 ALL	465683.4	3808142	7.97E-08	0.9YrCance	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2072 ALL	465703.4	3808142	7.83E-08	0.9YrCance	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2073 ALL	464883.4	3808162	2.03E-07	0.9YrCance	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2074 ALL	464903.4	3808162	1.97E-07	0.9YrCance	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2075 ALL	464923.4	3808162	1.92E-07	0.9YrCance	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2076 ALL	464943.4	3808162	1.86E-07	0.9YrCance	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2077 ALL	464963.4	3808162	1.81E-07	0.9YrCance	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2078 ALL	464983.4	3808162	1.76E-07	0.9YrCance	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2079 ALL	465003.4	3808162	1.71E-07	0.9YrCance	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2080 ALL	465023.4	3808162	1.67E-07	0.9YrCance	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2081 ALL	465043.4	3808162	1.62E-07	0.9YrCance	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2082 ALL	465063.4	3808162	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2083 ALL	465083.4	3808162	1.53E-07	0.9YrCance	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2084 ALL	465103.4	3808162	1.49E-07	0.9YrCance	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2085 ALL	465123.4	3808162	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2086 ALL	465143.4	3808162	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2087 ALL	465163.4	3808162	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2088 ALL	465183.4	3808162	1.35E-07	0.9YrCance	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2089 ALL	465203.4	3808162	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2090 ALL	465223.4	3808162	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2091 ALL	465243.4	3808162	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2092 ALL	465263.4	3808162	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2093 ALL	465283.4	3808162	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2094 ALL	465303.4	3808162	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2095 ALL	465323.4	3808162	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2096 ALL	465343.4	3808162	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2097 ALL	465363.4	3808162	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2098 ALL	465383.4	3808162	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2099 ALL	465403.4	3808162	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2100 ALL	465423.4	3808162	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2101 ALL	465443.4	3808162	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2102 ALL	465463.4	3808162	9.93E-08	0.9YrCance	9.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2103 ALL	465483.4	3808162	9.74E-08	0.9YrCance	9.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2104 ALL	465503.4	3808162	9.55E-08	0.9YrCance	9.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2105 ALL	465523.4	3808162	9.37E-08	0.9YrCance	9.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2106 ALL	465543.4	3808162	9.19E-08	0.9YrCance	9.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2107 ALL	465563.4	3808162	9.01E-08	0.9YrCance	9.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2108 ALL	465583.4	3808162	8.85E-08	0.9YrCance	8.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2109 ALL	465603.4	3808162	8.69E-08	0.9YrCance	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2110 ALL	465623.4	3808162	8.54E-08	0.9YrCance	8.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2111 ALL	465643.4	3808162	8.39E-08	0.9YrCance	8.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2112 ALL	465663.4	3808162	8.24E-08	0.9YrCance	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2113 ALL	465683.4	3808162	8.09E-08	0.9YrCance	8.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2114 ALL	465703.4	3808162	7.94E-08	0.9YrCance	7.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2115 ALL	464903.4	3808182	2.02E-07	0.9YrCance	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2116 ALL	464923.4	3808182	1.96E-07	0.9YrCance	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2117 ALL	464943.4	3808182	1.91E-07	0.9YrCance	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2118 ALL	464963.4	3808182	1.85E-07	0.9YrCance	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2119 ALL	464983.4	3808182	1.80E-07	0.9YrCance	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2120 ALL	465003.4	3808182	1.75E-07	0.9YrCance	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2121 ALL	465023.4	3808182	1.70E-07	0.9YrCance	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2122 ALL	465043.4	3808182	1.66E-07	0.9YrCance	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2123 ALL	465063.4	3808182	1.61E-07	0.9YrCance	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2124 ALL	465083.4	3808182	1.57E-07	0.9YrCance	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2125 ALL	465103.4	3808182	1.53E-07	0.9YrCance	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2126 ALL	465123.4	3808182	1.49E-07	0.9YrCance	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2127 ALL	465143.4	3808182	1.45E-07	0.9YrCance	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2128 ALL	465163.4	3808182	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2129 ALL	465183.4	3808182	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2130 ALL	465203.4	3808182	1.35E-07	0.9YrCance	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2131 ALL	465223.4	3808182	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2132 ALL	465243.4	3808182	1.28E-07	0.9YrCance	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2133 ALL	465263.4	3808182	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2134 ALL	465283.4	3808182	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2135 ALL	465303.4	3808182	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2136 ALL	465323.4	3808182	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2137 ALL	465343.4	3808182	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2138 ALL	465363.4	3808182	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2139 ALL	465383.4	3808182	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2140 ALL	465403.4	3808182	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2141 ALL	465423.4	3808182	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2142 ALL	465443.4	3808182	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2143 ALL	465463.4	3808182	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2144 ALL	465483.4	3808182	9.90E-08	0.9YrCance	9.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2145 ALL	465503.4	3808182	9.71E-08	0.9YrCance	9.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2146 ALL	465523.4	3808182	9.53E-08	0.9YrCance	9.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2147 ALL	465543.4	3808182	9.35E-08	0.9YrCance	9.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2148 ALL	465563.4	3808182	9.17E-08	0.9YrCance	9.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2149 ALL	465583.4	3808182	9.00E-08	0.9YrCance	9.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2150 ALL	465603.4	3808182	8.84E-08	0.9YrCance	8.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2151 ALL	465623.4	3808182	8.68E-08	0.9YrCance	8.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2152 ALL	465643.4	3808182	8.51E-08	0.9YrCance	8.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2153 ALL	465663.4	3808182	8.36E-08	0.9YrCance	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2154 ALL	465683.4	3808182	8.22E-08	0.9YrCance	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2155	ALL	465703.4	3808182	8.07E-08	0.9YrCance	8.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2156	ALL	464923.4	3808202	2.01E-07	0.9YrCance	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2157	ALL	464943.4	3808202	1.95E-07	0.9YrCance	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2158	ALL	464963.4	3808202	1.90E-07	0.9YrCance	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2159	ALL	464983.4	3808202	1.85E-07	0.9YrCance	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2160	ALL	465003.4	3808202	1.80E-07	0.9YrCance	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2161	ALL	465023.4	3808202	1.74E-07	0.9YrCance	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2162	ALL	465043.4	3808202	1.70E-07	0.9YrCance	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2163	ALL	465063.4	3808202	1.65E-07	0.9YrCance	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2164	ALL	465083.4	3808202	1.61E-07	0.9YrCance	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2165	ALL	465103.4	3808202	1.56E-07	0.9YrCance	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2166	ALL	465123.4	3808202	1.52E-07	0.9YrCance	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2167	ALL	465143.4	3808202	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2168	ALL	465163.4	3808202	1.45E-07	0.9YrCance	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2169	ALL	465183.4	3808202	1.41E-07	0.9YrCance	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2170	ALL	465203.4	3808202	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2171	ALL	465223.4	3808202	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2172	ALL	465243.4	3808202	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2173	ALL	465263.4	3808202	1.28E-07	0.9YrCance	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2174	ALL	465283.4	3808202	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2175	ALL	465303.4	3808202	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2176	ALL	465323.4	3808202	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2177	ALL	465343.4	3808202	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2178	ALL	465363.4	3808202	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2179	ALL	465383.4	3808202	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2180	ALL	465403.4	3808202	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2181	ALL	465423.4	3808202	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2182	ALL	465443.4	3808202	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2183	ALL	465463.4	3808202	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2184	ALL	465483.4	3808202	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2185	ALL	465503.4	3808202	9.88E-08	0.9YrCance	9.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2186	ALL	465523.4	3808202	9.69E-08	0.9YrCance	9.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2187	ALL	465543.4	3808202	9.51E-08	0.9YrCance	9.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2188	ALL	465563.4	3808202	9.33E-08	0.9YrCance	9.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2189	ALL	465583.4	3808202	9.15E-08	0.9YrCance	9.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2190	ALL	465603.4	3808202	8.98E-08	0.9YrCance	8.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2191	ALL	465623.4	3808202	8.81E-08	0.9YrCance	8.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2192	ALL	465643.4	3808202	8.65E-08	0.9YrCance	8.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2193	ALL	465663.4	3808202	8.50E-08	0.9YrCance	8.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2194	ALL	465683.4	3808202	8.35E-08	0.9YrCance	8.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2195	ALL	465703.4	3808202	8.19E-08	0.9YrCance	8.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2196	ALL	464943.4	3808222	2.00E-07	0.9YrCance	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2197	ALL	464963.4	3808222	1.95E-07	0.9YrCance	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2198	ALL	464983.4	3808222	1.89E-07	0.9YrCance	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2199	ALL	465003.4	3808222	1.84E-07	0.9YrCance	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2200	ALL	465023.4	3808222	1.79E-07	0.9YrCance	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2201	ALL	465043.4	3808222	1.74E-07	0.9YrCance	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2202	ALL	465063.4	3808222	1.69E-07	0.9YrCance	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2203	ALL	465083.4	3808222	1.64E-07	0.9YrCance	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2204	ALL	465103.4	3808222	1.60E-07	0.9YrCance	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2205	ALL	465123.4	3808222	1.56E-07	0.9YrCance	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2206	ALL	465143.4	3808222	1.52E-07	0.9YrCance	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2207	ALL	465163.4	3808222	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2208	ALL	465183.4	3808222	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2209	ALL	465203.4	3808222	1.41E-07	0.9YrCance	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2210	ALL	465223.4	3808222	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2211	ALL	465243.4	3808222	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2212	ALL	465263.4	3808222	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2213	ALL	465283.4	3808222	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2214	ALL	465303.4	3808222	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2215	ALL	465323.4	3808222	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2216	ALL	465343.4	3808222	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2217	ALL	465363.4	3808222	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2218	ALL	465383.4	3808222	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2219	ALL	465403.4	3808222	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2220	ALL	465423.4	3808222	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2221	ALL	465443.4	3808222	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2222	ALL	465463.4	3808222	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2223	ALL	465483.4	3808222	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2224	ALL	465503.4	3808222	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2225	ALL	465523.4	3808222	9.86E-08	0.9YrCance	9.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2226	ALL	465543.4	3808222	9.68E-08	0.9YrCance	9.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2227	ALL	465563.4	3808222	9.48E-08	0.9YrCance	9.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2228	ALL	465583.4	3808222	9.30E-08	0.9YrCance	9.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2229	ALL	465603.4	3808222	9.12E-08	0.9YrCance	9.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2230	ALL	465623.4	3808222	8.96E-08	0.9YrCance	8.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2231	ALL	465643.4	3808222	8.79E-08	0.9YrCance	8.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2232	ALL	465663.4	3808222	8.64E-08	0.9YrCance	8.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2233	ALL	465683.4	3808222	8.48E-08	0.9YrCance	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2234	ALL	465703.4	3808222	8.32E-08	0.9YrCance	8.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2235	ALL	464963.4	3808242	1.99E-07	0.9YrCance	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2236	ALL	464983.4	3808242	1.94E-07	0.9YrCance	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2237	ALL	465003.4	3808242	1.88E-07	0.9YrCance	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2238	ALL	465023.4	3808242	1.83E-07	0.9YrCance	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2239	ALL	465043.4	3808242	1.78E-07	0.9YrCance	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2240	ALL	465063.4	3808242	1.73E-07	0.9YrCance	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2241	ALL	465083.4	3808242	1.68E-07	0.9YrCance	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2242	ALL	465103.4	3808242	1.63E-07	0.9YrCance	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2243	ALL	465123.4	3808242	1.59E-07	0.9YrCance	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2244	ALL	465143.4	3808242	1.55E-07	0.9YrCance	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2245	ALL	465163.4	3808242	1.51E-07	0.9YrCance	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2246	ALL	465183.4	3808242	1.47E-07	0.9YrCance	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2247	ALL	465203.4	3808242	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2248	ALL	465223.4	3808242	1.40E-07	0.9YrCance	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2249	ALL	465243.4	3808242	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2250	ALL	465263.4	3808242	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2251	ALL	465283.4	3808242	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2252	ALL	465303.4	3808242	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2253	ALL	465323.4	3808242	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2254	ALL	465343.4	3808242	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2255	ALL	465363.4	3808242	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2256	ALL	465383.4	3808242	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2257	ALL	465403.4	3808242	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2258	ALL	465423.4	3808242	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2259	ALL	465443.4	3808242	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2260	ALL	465463.4	3808242	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2261	ALL	465483.4	3808242	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2262	ALL	465503.4	3808242	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2263	ALL	465523.4	3808242	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2264	ALL	465543.4	3808242	9.83E-08	0.9YrCance	9.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2265	ALL	465563.4	3808242	9.64E-08	0.9YrCance	9.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2266	ALL	465583.4	3808242	9.46E-08	0.9YrCance	9.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2267	ALL	465603.4	3808242	9.28E-08	0.9YrCance	9.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2268	ALL	465623.4	3808242	9.10E-08	0.9YrCance	9.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2269	ALL	465643.4	3808242	8.92E-08	0.9YrCance	8.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2270	ALL	465663.4	3808242	8.76E-08	0.9YrCance	8.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2271	ALL	465683.4	3808242	8.61E-08	0.9YrCance	8.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2272	ALL	465703.4	3808242	8.45E-08	0.9YrCance	8.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2273	ALL	464983.4	3808262	1.98E-07	0.9YrCance	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2274	ALL	465003.4	3808262	1.92E-07	0.9YrCance	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2275	ALL	465023.4	3808262	1.87E-07	0.9YrCance	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2276	ALL	465043.4	3808262	1.82E-07	0.9YrCance	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2277	ALL	465063.4	3808262	1.77E-07	0.9YrCance	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2278	ALL	465083.4	3808262	1.72E-07	0.9YrCance	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2279	ALL	465103.4	3808262	1.67E-07	0.9YrCance	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2280	ALL	465123.4	3808262	1.63E-07	0.9YrCance	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2281	ALL	465143.4	3808262	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2282	ALL	465163.4	3808262	1.54E-07	0.9YrCance	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2283	ALL	465183.4	3808262	1.50E-07	0.9YrCance	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2284	ALL	465203.4	3808262	1.47E-07	0.9YrCance	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2285	ALL	465223.4	3808262	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2286	ALL	465243.4	3808262	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2287	ALL	465263.4	3808262	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2288	ALL	465283.4	3808262	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2289	ALL	465303.4	3808262	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2290	ALL	465323.4	3808262	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2291	ALL	465343.4	3808262	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2292	ALL	465363.4	3808262	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2293	ALL	465383.4	3808262	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2294	ALL	465403.4	3808262	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2295	ALL	465423.4	3808262	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2296	ALL	465443.4	3808262	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2297	ALL	465463.4	3808262	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2298	ALL	465483.4	3808262	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2299	ALL	465503.4	3808262	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2300	ALL	465523.4	3808262	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2301	ALL	465543.4	3808262	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2302	ALL	465563.4	3808262	9.80E-08	0.9YrCance	9.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2303	ALL	465583.4	3808262	9.60E-08	0.9YrCance	9.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2304	ALL	465603.4	3808262	9.42E-08	0.9YrCance	9.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2305	ALL	465623.4	3808262	9.24E-08	0.9YrCance	9.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2306	ALL	465643.4	3808262	9.07E-08	0.9YrCance	9.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2307	ALL	465663.4	3808262	8.89E-08	0.9YrCance	8.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2308	ALL	465683.4	3808262	8.73E-08	0.9YrCance	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2309	ALL	465703.4	3808262	8.57E-08	0.9YrCance	8.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2310	ALL	465003.4	3808282	1.96E-07	0.9YrCance	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2311	ALL	465023.4	3808282	1.91E-07	0.9YrCance	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2312	ALL	465043.4	3808282	1.86E-07	0.9YrCance	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2313	ALL	465063.4	3808282	1.80E-07	0.9YrCance	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2314	ALL	465083.4	3808282	1.76E-07	0.9YrCance	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2315	ALL	465103.4	3808282	1.71E-07	0.9YrCance	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2316	ALL	465123.4	3808282	1.66E-07	0.9YrCance	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2317	ALL	465143.4	3808282	1.62E-07	0.9YrCance	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2318	ALL	465163.4	3808282	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2319	ALL	465183.4	3808282	1.54E-07	0.9YrCance	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2320	ALL	465203.4	3808282	1.50E-07	0.9YrCance	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2321	ALL	465223.4	3808282	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2322	ALL	465243.4	3808282	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2323	ALL	465263.4	3808282	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2324	ALL	465283.4	3808282	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2325	ALL	465303.4	3808282	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2326	ALL	465323.4	3808282	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2327	ALL	465343.4	3808282	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2328	ALL	465363.4	3808282	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2329	ALL	465383.4	3808282	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2330	ALL	465403.4	3808282	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2331	ALL	465423.4	3808282	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2332	ALL	465443.4	3808282	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2333	ALL	465463.4	3808282	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2334	ALL	465483.4	3808282	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2335	ALL	465503.4	3808282	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2336	ALL	465523.4	3808282	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2337	ALL	465543.4	3808282	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2338	ALL	465563.4	3808282	9.96E-08	0.9YrCance	9.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2339	ALL	465583.4	3808282	9.75E-08	0.9YrCance	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2340	ALL	465603.4	3808282	9.57E-08	0.9YrCance	9.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2341	ALL	465623.4	3808282	9.39E-08	0.9YrCance	9.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2342	ALL	465643.4	3808282	9.21E-08	0.9YrCance	9.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2343	ALL	465663.4	3808282	9.03E-08	0.9YrCance	9.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2344	ALL	465683.4	3808282	8.86E-08	0.9YrCance	8.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2345	ALL	465703.4	3808282	8.70E-08	0.9YrCance	8.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2346	ALL	465003.4	3808302	2.01E-07	0.9YrCance	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2347	ALL	465023.4	3808302	1.95E-07	0.9YrCance	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2348	ALL	465043.4	3808302	1.90E-07	0.9YrCance	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2349	ALL	465063.4	3808302	1.84E-07	0.9YrCance	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2350	ALL	465083.4	3808302	1.79E-07	0.9YrCance	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2351	ALL	465103.4	3808302	1.75E-07	0.9YrCance	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2352	ALL	465123.4	3808302	1.70E-07	0.9YrCance	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2353	ALL	465143.4	3808302	1.65E-07	0.9YrCance	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2354	ALL	465163.4	3808302	1.61E-07	0.9YrCance	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2355	ALL	465183.4	3808302	1.57E-07	0.9YrCance	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2356	ALL	465203.4	3808302	1.53E-07	0.9YrCance	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2357	ALL	465223.4	3808302	1.49E-07	0.9YrCance	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2358	ALL	465243.4	3808302	1.45E-07	0.9YrCance	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2359	ALL	465263.4	3808302	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2360	ALL	465283.4	3808302	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2361	ALL	465303.4	3808302	1.35E-07	0.9YrCance	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2362	ALL	465323.4	3808302	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2363	ALL	465343.4	3808302	1.28E-07	0.9YrCance	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2364	ALL	465363.4	3808302	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2365	ALL	465383.4	3808302	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2366	ALL	465403.4	3808302	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2367	ALL	465423.4	3808302	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2368	ALL	465443.4	3808302	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2369	ALL	465463.4	3808302	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2370	ALL	465483.4	3808302	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2371	ALL	465503.4	3808302	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2372	ALL	465523.4	3808302	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2373	ALL	465543.4	3808302	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2374	ALL	465563.4	3808302	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2375	ALL	465583.4	3808302	9.92E-08	0.9YrCance	9.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2376	ALL	465603.4	3808302	9.73E-08	0.9YrCance	9.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2377	ALL	465623.4	3808302	9.53E-08	0.9YrCance	9.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2378	ALL	465643.4	3808302	9.34E-08	0.9YrCance	9.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2379	ALL	465663.4	3808302	9.17E-08	0.9YrCance	9.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2380	ALL	465683.4	3808302	8.99E-08	0.9YrCance	8.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2381	ALL	465703.4	3808302	8.81E-08	0.9YrCance	8.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2382	ALL	465043.4	3808322	1.94E-07	0.9YrCance	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2383	ALL	465063.4	3808322	1.88E-07	0.9YrCance	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2384	ALL	465083.4	3808322	1.83E-07	0.9YrCance	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2385	ALL	465103.4	3808322	1.78E-07	0.9YrCance	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2386	ALL	465123.4	3808322	1.73E-07	0.9YrCance	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2387	ALL	465143.4	3808322	1.69E-07	0.9YrCance	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2388	ALL	465163.4	3808322	1.64E-07	0.9YrCance	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2389	ALL	465183.4	3808322	1.60E-07	0.9YrCance	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2390	ALL	465203.4	3808322	1.56E-07	0.9YrCance	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2391	ALL	465223.4	3808322	1.52E-07	0.9YrCance	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2392	ALL	465243.4	3808322	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2393	ALL	465263.4	3808322	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2394	ALL	465283.4	3808322	1.41E-07	0.9YrCance	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2395	ALL	465303.4	3808322	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2396	ALL	465323.4	3808322	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2397	ALL	465343.4	3808322	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2398	ALL	465363.4	3808322	1.28E-07	0.9YrCance	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2399	ALL	465383.4	3808322	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2400	ALL	465403.4	3808322	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2401	ALL	465423.4	3808322	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2402	ALL	465443.4	3808322	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2403	ALL	465463.4	3808322	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2404	ALL	465483.4	3808322	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2405	ALL	465503.4	3808322	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2406	ALL	465523.4	3808322	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2407	ALL	465543.4	3808322	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2408	ALL	465563.4	3808322	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2409	ALL	465583.4	3808322	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2410	ALL	465603.4	3808322	9.87E-08	0.9YrCance	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2411	ALL	465623.4	3808322	9.67E-08	0.9YrCance	9.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2412	ALL	465643.4	3808322	9.48E-08	0.9YrCance	9.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2413	ALL	465663.4	3808322	9.30E-08	0.9YrCance	9.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2414	ALL	465683.4	3808322	9.12E-08	0.9YrCance	9.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2415	ALL	465703.4	3808322	8.94E-08	0.9YrCance	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2416	ALL	465083.4	3808342	1.87E-07	0.9YrCance	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2417	ALL	465103.4	3808342	1.82E-07	0.9YrCance	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2418	ALL	465123.4	3808342	1.77E-07	0.9YrCance	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2419 ALL	465143.4	3808342	1.72E-07	0.9YrCance	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2420 ALL	465163.4	3808342	1.68E-07	0.9YrCance	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2421 ALL	465183.4	3808342	1.63E-07	0.9YrCance	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2422 ALL	465203.4	3808342	1.59E-07	0.9YrCance	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2423 ALL	465223.4	3808342	1.55E-07	0.9YrCance	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2424 ALL	465243.4	3808342	1.51E-07	0.9YrCance	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2425 ALL	465263.4	3808342	1.47E-07	0.9YrCance	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2426 ALL	465283.4	3808342	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2427 ALL	465303.4	3808342	1.40E-07	0.9YrCance	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2428 ALL	465323.4	3808342	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2429 ALL	465343.4	3808342	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2430 ALL	465363.4	3808342	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2431 ALL	465383.4	3808342	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2432 ALL	465403.4	3808342	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2433 ALL	465423.4	3808342	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2434 ALL	465443.4	3808342	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2435 ALL	465463.4	3808342	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2436 ALL	465483.4	3808342	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2437 ALL	465503.4	3808342	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2438 ALL	465523.4	3808342	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2439 ALL	465543.4	3808342	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2440 ALL	465563.4	3808342	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2441 ALL	465583.4	3808342	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2442 ALL	465603.4	3808342	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2443 ALL	465623.4	3808342	9.82E-08	0.9YrCance	9.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2444 ALL	465643.4	3808342	9.62E-08	0.9YrCance	9.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2445 ALL	465663.4	3808342	9.43E-08	0.9YrCance	9.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2446 ALL	465683.4	3808342	9.24E-08	0.9YrCance	9.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2447 ALL	465703.4	3808342	9.07E-08	0.9YrCance	9.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2448 ALL	465103.4	3808362	1.86E-07	0.9YrCance	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2449 ALL	465123.4	3808362	1.81E-07	0.9YrCance	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2450 ALL	465143.4	3808362	1.76E-07	0.9YrCance	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2451 ALL	465163.4	3808362	1.71E-07	0.9YrCance	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2452 ALL	465183.4	3808362	1.67E-07	0.9YrCance	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2453 ALL	465203.4	3808362	1.62E-07	0.9YrCance	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2454 ALL	465223.4	3808362	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2455 ALL	465243.4	3808362	1.54E-07	0.9YrCance	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2456 ALL	465263.4	3808362	1.50E-07	0.9YrCance	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2457 ALL	465283.4	3808362	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2458 ALL	465303.4	3808362	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2459 ALL	465323.4	3808362	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2460 ALL	465343.4	3808362	1.35E-07	0.9YrCance	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2461 ALL	465363.4	3808362	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2462 ALL	465383.4	3808362	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2463	ALL	465403.4	3808362	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2464	ALL	465423.4	3808362	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2465	ALL	465443.4	3808362	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2466	ALL	465463.4	3808362	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2467	ALL	465483.4	3808362	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2468	ALL	465503.4	3808362	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2469	ALL	465523.4	3808362	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2470	ALL	465543.4	3808362	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2471	ALL	465563.4	3808362	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2472	ALL	465583.4	3808362	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2473	ALL	465603.4	3808362	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2474	ALL	465623.4	3808362	9.96E-08	0.9YrCance	9.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2475	ALL	465643.4	3808362	9.75E-08	0.9YrCance	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2476	ALL	465663.4	3808362	9.56E-08	0.9YrCance	9.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2477	ALL	465683.4	3808362	9.37E-08	0.9YrCance	9.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2478	ALL	465703.4	3808362	9.19E-08	0.9YrCance	9.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2479	ALL	465183.4	3808382	1.69E-07	0.9YrCance	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2480	ALL	465203.4	3808382	1.65E-07	0.9YrCance	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2481	ALL	465223.4	3808382	1.60E-07	0.9YrCance	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2482	ALL	465243.4	3808382	1.56E-07	0.9YrCance	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2483	ALL	465263.4	3808382	1.52E-07	0.9YrCance	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2484	ALL	465283.4	3808382	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2485	ALL	465303.4	3808382	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2486	ALL	465323.4	3808382	1.41E-07	0.9YrCance	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2487	ALL	465343.4	3808382	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2488	ALL	465363.4	3808382	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2489	ALL	465383.4	3808382	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2490	ALL	465403.4	3808382	1.28E-07	0.9YrCance	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2491	ALL	465423.4	3808382	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2492	ALL	465443.4	3808382	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2493	ALL	465463.4	3808382	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2494	ALL	465483.4	3808382	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2495	ALL	465503.4	3808382	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2496	ALL	465523.4	3808382	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2497	ALL	465543.4	3808382	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2498	ALL	465563.4	3808382	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2499	ALL	465583.4	3808382	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2500	ALL	465603.4	3808382	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2501	ALL	465623.4	3808382	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2502	ALL	465643.4	3808382	9.89E-08	0.9YrCance	9.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2503	ALL	465663.4	3808382	9.69E-08	0.9YrCance	9.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2504	ALL	465683.4	3808382	9.50E-08	0.9YrCance	9.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2505	ALL	465703.4	3808382	9.31E-08	0.9YrCance	9.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2506	ALL	465303.4	3808402	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2507	ALL	465323.4	3808402	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2508	ALL	465343.4	3808402	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2509	ALL	465363.4	3808402	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2510	ALL	465383.4	3808402	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2511	ALL	465403.4	3808402	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2512	ALL	465423.4	3808402	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2513	ALL	465443.4	3808402	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2514	ALL	465463.4	3808402	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2515	ALL	465483.4	3808402	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2516	ALL	465503.4	3808402	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2517	ALL	465523.4	3808402	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2518	ALL	465543.4	3808402	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2519	ALL	465563.4	3808402	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2520	ALL	465583.4	3808402	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2521	ALL	465603.4	3808402	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2522	ALL	465623.4	3808402	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2523	ALL	465643.4	3808402	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2524	ALL	465663.4	3808402	9.81E-08	0.9YrCance	9.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2525	ALL	465683.4	3808402	9.62E-08	0.9YrCance	9.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2526	ALL	465703.4	3808402	9.43E-08	0.9YrCance	9.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2527	ALL	465323.4	3808422	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2528	ALL	465343.4	3808422	1.41E-07	0.9YrCance	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2529	ALL	465363.4	3808422	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2530	ALL	465383.4	3808422	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2531	ALL	465403.4	3808422	1.31E-07	0.9YrCance	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2532	ALL	465423.4	3808422	1.28E-07	0.9YrCance	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2533	ALL	465443.4	3808422	1.25E-07	0.9YrCance	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2534	ALL	465463.4	3808422	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2535	ALL	465483.4	3808422	1.20E-07	0.9YrCance	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2536	ALL	465503.4	3808422	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2537	ALL	465523.4	3808422	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2538	ALL	465543.4	3808422	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2539	ALL	465563.4	3808422	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2540	ALL	465583.4	3808422	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2541	ALL	465603.4	3808422	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2542	ALL	465623.4	3808422	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2543	ALL	465643.4	3808422	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2544	ALL	465663.4	3808422	9.94E-08	0.9YrCance	9.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2545	ALL	465683.4	3808422	9.73E-08	0.9YrCance	9.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2546	ALL	465703.4	3808422	9.54E-08	0.9YrCance	9.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2547	ALL	465323.4	3808442	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2548	ALL	465343.4	3808442	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2549	ALL	465363.4	3808442	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2550	ALL	465383.4	3808442	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2551	ALL	465403.4	3808442	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2552	ALL	465423.4	3808442	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2553	ALL	465443.4	3808442	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2554	ALL	465463.4	3808442	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2555	ALL	465483.4	3808442	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2556	ALL	465503.4	3808442	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2557	ALL	465523.4	3808442	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2558	ALL	465543.4	3808442	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2559	ALL	465563.4	3808442	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2560	ALL	465583.4	3808442	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2561	ALL	465603.4	3808442	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2562	ALL	465623.4	3808442	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2563	ALL	465643.4	3808442	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2564	ALL	465663.4	3808442	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2565	ALL	465683.4	3808442	9.84E-08	0.9YrCance	9.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2566	ALL	465703.4	3808442	9.65E-08	0.9YrCance	9.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2567	ALL	465343.4	3808462	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2568	ALL	465363.4	3808462	1.41E-07	0.9YrCance	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2569	ALL	465383.4	3808462	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2570	ALL	465403.4	3808462	1.35E-07	0.9YrCance	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2571	ALL	465423.4	3808462	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2572	ALL	465443.4	3808462	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2573	ALL	465463.4	3808462	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2574	ALL	465483.4	3808462	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2575	ALL	465503.4	3808462	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2576	ALL	465523.4	3808462	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2577	ALL	465543.4	3808462	1.15E-07	0.9YrCance	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2578	ALL	465563.4	3808462	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2579	ALL	465583.4	3808462	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2580	ALL	465603.4	3808462	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2581	ALL	465623.4	3808462	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2582	ALL	465643.4	3808462	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2583	ALL	465663.4	3808462	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2584	ALL	465683.4	3808462	9.96E-08	0.9YrCance	9.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2585	ALL	465703.4	3808462	9.76E-08	0.9YrCance	9.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2586	ALL	465343.4	3808482	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2587	ALL	465363.4	3808482	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2588	ALL	465383.4	3808482	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2589	ALL	465403.4	3808482	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2590	ALL	465423.4	3808482	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2591	ALL	465443.4	3808482	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2592	ALL	465463.4	3808482	1.27E-07	0.9YrCance	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2593	ALL	465483.4	3808482	1.24E-07	0.9YrCance	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2594	ALL	465503.4	3808482	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2595	ALL	465523.4	3808482	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2596	ALL	465543.4	3808482	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2597	ALL	465563.4	3808482	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2598	ALL	465583.4	3808482	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2599	ALL	465603.4	3808482	1.10E-07	0.9YrCance	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2600	ALL	465623.4	3808482	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2601	ALL	465643.4	3808482	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2602	ALL	465663.4	3808482	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2603	ALL	465683.4	3808482	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2604	ALL	465703.4	3808482	9.87E-08	0.9YrCance	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2605	ALL	465463.4	3808502	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2606	ALL	465483.4	3808502	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2607	ALL	465503.4	3808502	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2608	ALL	465523.4	3808502	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2609	ALL	465543.4	3808502	1.18E-07	0.9YrCance	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2610	ALL	465563.4	3808502	1.16E-07	0.9YrCance	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2611	ALL	465583.4	3808502	1.13E-07	0.9YrCance	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2612	ALL	465603.4	3808502	1.11E-07	0.9YrCance	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2613	ALL	465623.4	3808502	1.08E-07	0.9YrCance	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2614	ALL	465643.4	3808502	1.06E-07	0.9YrCance	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2615	ALL	465663.4	3808502	1.04E-07	0.9YrCance	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2616	ALL	465683.4	3808502	1.02E-07	0.9YrCance	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2617	ALL	465703.4	3808502	9.98E-08	0.9YrCance	9.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2618	ALL	465523.4	3808522	1.22E-07	0.9YrCance	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2619	ALL	465543.4	3808522	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2620	ALL	465563.4	3808522	1.17E-07	0.9YrCance	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2621	ALL	465583.4	3808522	1.14E-07	0.9YrCance	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2622	ALL	465603.4	3808522	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2623	ALL	465623.4	3808522	1.09E-07	0.9YrCance	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2624	ALL	465643.4	3808522	1.07E-07	0.9YrCance	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2625	ALL	465663.4	3808522	1.05E-07	0.9YrCance	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2626	ALL	465683.4	3808522	1.03E-07	0.9YrCance	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2627	ALL	465703.4	3808522	1.01E-07	0.9YrCance	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2628	ALL	463745.3	3809562	3.81E-07	0.9YrCance	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2629	ALL	463783.3	3809562	3.81E-07	0.9YrCance	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2630	ALL	463821.3	3809562	3.80E-07	0.9YrCance	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2631	ALL	463859.3	3809562	3.82E-07	0.9YrCance	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2632	ALL	463897.3	3809562	3.81E-07	0.9YrCance	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2633	ALL	463935.3	3809562	3.75E-07	0.9YrCance	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2634	ALL	463973.3	3809562	3.66E-07	0.9YrCance	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2635	ALL	464011.3	3809562	3.54E-07	0.9YrCance	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2636	ALL	464049.3	3809562	3.43E-07	0.9YrCance	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2637	ALL	464087.3	3809562	3.30E-07	0.9YrCance	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2638	ALL	464125.3	3809562	3.18E-07	0.9YrCance	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2639	ALL	464163.3	3809562	3.05E-07	0.9YrCance	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2640	ALL	464201.3	3809562	2.93E-07	0.9YrCance	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2641	ALL	464239.3	3809562	2.80E-07	0.9YrCance	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2642	ALL	464277.3	3809562	2.68E-07	0.9YrCance	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2643	ALL	464315.3	3809562	2.56E-07	0.9YrCance	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2644	ALL	464353.3	3809562	2.46E-07	0.9YrCance	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2645	ALL	464391.3	3809562	2.35E-07	0.9YrCance	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2646	ALL	464429.3	3809562	2.26E-07	0.9YrCance	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2647	ALL	464467.3	3809562	2.16E-07	0.9YrCance	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2648	ALL	464505.3	3809562	2.08E-07	0.9YrCance	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2649	ALL	463745.3	3809591	3.63E-07	0.9YrCance	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2650	ALL	463783.3	3809591	3.63E-07	0.9YrCance	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2651	ALL	463821.3	3809591	3.62E-07	0.9YrCance	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2652	ALL	463859.3	3809591	3.63E-07	0.9YrCance	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2653	ALL	463897.3	3809591	3.63E-07	0.9YrCance	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2654	ALL	463935.3	3809591	3.59E-07	0.9YrCance	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2655	ALL	463973.3	3809591	3.51E-07	0.9YrCance	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2656	ALL	464011.3	3809591	3.40E-07	0.9YrCance	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2657	ALL	464049.3	3809591	3.30E-07	0.9YrCance	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2658	ALL	464087.3	3809591	3.18E-07	0.9YrCance	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2659	ALL	464125.3	3809591	3.06E-07	0.9YrCance	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2660	ALL	464163.3	3809591	2.93E-07	0.9YrCance	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2661	ALL	464201.3	3809591	2.82E-07	0.9YrCance	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2662	ALL	464239.3	3809591	2.70E-07	0.9YrCance	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2663	ALL	464277.3	3809591	2.59E-07	0.9YrCance	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2664	ALL	464315.3	3809591	2.48E-07	0.9YrCance	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2665	ALL	464353.3	3809591	2.37E-07	0.9YrCance	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2666	ALL	464391.3	3809591	2.28E-07	0.9YrCance	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2667	ALL	464429.3	3809591	2.19E-07	0.9YrCance	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2668	ALL	464467.3	3809591	2.10E-07	0.9YrCance	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2669	ALL	464505.3	3809591	2.02E-07	0.9YrCance	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2670	ALL	463745.3	3809620	3.45E-07	0.9YrCance	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2671	ALL	463783.3	3809620	3.46E-07	0.9YrCance	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2672	ALL	463821.3	3809620	3.46E-07	0.9YrCance	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2673	ALL	463859.3	3809620	3.45E-07	0.9YrCance	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2674	ALL	463897.3	3809620	3.45E-07	0.9YrCance	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2675	ALL	463935.3	3809620	3.42E-07	0.9YrCance	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2676	ALL	463973.3	3809620	3.36E-07	0.9YrCance	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2677	ALL	464011.3	3809620	3.27E-07	0.9YrCance	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2678	ALL	464049.3	3809620	3.17E-07	0.9YrCance	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2679	ALL	464087.3	3809620	3.05E-07	0.9YrCance	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2680	ALL	464125.3	3809620	2.94E-07	0.9YrCance	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2681	ALL	464163.3	3809620	2.83E-07	0.9YrCance	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2682	ALL	464201.3	3809620	2.71E-07	0.9YrCance	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2683	ALL	464239.3	3809620	2.61E-07	0.9YrCance	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2684	ALL	464277.3	3809620	2.50E-07	0.9YrCance	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2685	ALL	464315.3	3809620	2.40E-07	0.9YrCance	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2686	ALL	464353.3	3809620	2.30E-07	0.9YrCance	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2687	ALL	464391.3	3809620	2.20E-07	0.9YrCance	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2688	ALL	464429.3	3809620	2.12E-07	0.9YrCance	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2689	ALL	464467.3	3809620	2.04E-07	0.9YrCance	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2690	ALL	464505.3	3809620	1.96E-07	0.9YrCance	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2691	ALL	463745.3	3809649	3.28E-07	0.9YrCance	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2692	ALL	463783.3	3809649	3.30E-07	0.9YrCance	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2693	ALL	463821.3	3809649	3.30E-07	0.9YrCance	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2694	ALL	463859.3	3809649	3.29E-07	0.9YrCance	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2695	ALL	463897.3	3809649	3.28E-07	0.9YrCance	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2696	ALL	463935.3	3809649	3.26E-07	0.9YrCance	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2697	ALL	463973.3	3809649	3.19E-07	0.9YrCance	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2698	ALL	464011.3	3809649	3.12E-07	0.9YrCance	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2699	ALL	464049.3	3809649	3.03E-07	0.9YrCance	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2700	ALL	464087.3	3809649	2.93E-07	0.9YrCance	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2701	ALL	464125.3	3809649	2.83E-07	0.9YrCance	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2702	ALL	464163.3	3809649	2.72E-07	0.9YrCance	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2703	ALL	464201.3	3809649	2.62E-07	0.9YrCance	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2704	ALL	464239.3	3809649	2.52E-07	0.9YrCance	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2705	ALL	464277.3	3809649	2.42E-07	0.9YrCance	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2706	ALL	464315.3	3809649	2.31E-07	0.9YrCance	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2707	ALL	464353.3	3809649	2.22E-07	0.9YrCance	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2708	ALL	464391.3	3809649	2.14E-07	0.9YrCance	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2709	ALL	464429.3	3809649	2.05E-07	0.9YrCance	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2710	ALL	464467.3	3809649	1.98E-07	0.9YrCance	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2711	ALL	464505.3	3809649	1.90E-07	0.9YrCance	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2712	ALL	463745.3	3809679	3.12E-07	0.9YrCance	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2713	ALL	463783.3	3809679	3.14E-07	0.9YrCance	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2714	ALL	463821.3	3809679	3.15E-07	0.9YrCance	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2715	ALL	463859.3	3809679	3.14E-07	0.9YrCance	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2716	ALL	463897.3	3809679	3.12E-07	0.9YrCance	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2717	ALL	463935.3	3809679	3.11E-07	0.9YrCance	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2718	ALL	463973.3	3809679	3.05E-07	0.9YrCance	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2719	ALL	464011.3	3809679	2.98E-07	0.9YrCance	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2720	ALL	464049.3	3809679	2.91E-07	0.9YrCance	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2721	ALL	464087.3	3809679	2.82E-07	0.9YrCance	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2722	ALL	464125.3	3809679	2.73E-07	0.9YrCance	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2723	ALL	464163.3	3809679	2.63E-07	0.9YrCance	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2724	ALL	464201.3	3809679	2.53E-07	0.9YrCance	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2725	ALL	464239.3	3809679	2.43E-07	0.9YrCance	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2726	ALL	464277.3	3809679	2.33E-07	0.9YrCance	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2727	ALL	464315.3	3809679	2.24E-07	0.9YrCance	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2728	ALL	464353.3	3809679	2.16E-07	0.9YrCance	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2729	ALL	464391.3	3809679	2.08E-07	0.9YrCance	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2730	ALL	464429.3	3809679	1.99E-07	0.9YrCance	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2731	ALL	464467.3	3809679	1.92E-07	0.9YrCance	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2732	ALL	464505.3	3809679	1.85E-07	0.9YrCance	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2733	ALL	463745.3	3809708	2.97E-07	0.9YrCance	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2734	ALL	463783.3	3809708	2.99E-07	0.9YrCance	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2735	ALL	463821.3	3809708	3.00E-07	0.9YrCance	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2736	ALL	463859.3	3809708	3.00E-07	0.9YrCance	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2737	ALL	463897.3	3809708	2.98E-07	0.9YrCance	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2738	ALL	463935.3	3809708	2.96E-07	0.9YrCance	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2739	ALL	463973.3	3809708	2.92E-07	0.9YrCance	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2740	ALL	464011.3	3809708	2.86E-07	0.9YrCance	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2741	ALL	464049.3	3809708	2.80E-07	0.9YrCance	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2742	ALL	464087.3	3809708	2.72E-07	0.9YrCance	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2743	ALL	464125.3	3809708	2.63E-07	0.9YrCance	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2744	ALL	464163.3	3809708	2.54E-07	0.9YrCance	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2745	ALL	464201.3	3809708	2.45E-07	0.9YrCance	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2746	ALL	464239.3	3809708	2.35E-07	0.9YrCance	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2747	ALL	464277.3	3809708	2.26E-07	0.9YrCance	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2748	ALL	464315.3	3809708	2.18E-07	0.9YrCance	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2749	ALL	464353.3	3809708	2.09E-07	0.9YrCance	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2750	ALL	464391.3	3809708	2.01E-07	0.9YrCance	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2751	ALL	464429.3	3809708	1.93E-07	0.9YrCance	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2752	ALL	464467.3	3809708	1.87E-07	0.9YrCance	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2753	ALL	464505.3	3809708	1.80E-07	0.9YrCance	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2754	ALL	463745.3	3809737	2.85E-07	0.9YrCance	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2755	ALL	463783.3	3809737	2.85E-07	0.9YrCance	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2756	ALL	463821.3	3809737	2.85E-07	0.9YrCance	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2757	ALL	463859.3	3809737	2.86E-07	0.9YrCance	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2758	ALL	463897.3	3809737	2.85E-07	0.9YrCance	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2759	ALL	463935.3	3809737	2.82E-07	0.9YrCance	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2760	ALL	463973.3	3809737	2.80E-07	0.9YrCance	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2761	ALL	464011.3	3809737	2.75E-07	0.9YrCance	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2762	ALL	464049.3	3809737	2.69E-07	0.9YrCance	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2763	ALL	464087.3	3809737	2.62E-07	0.9YrCance	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2764	ALL	464125.3	3809737	2.54E-07	0.9YrCance	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2765	ALL	464163.3	3809737	2.46E-07	0.9YrCance	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2766	ALL	464201.3	3809737	2.37E-07	0.9YrCance	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2767	ALL	464239.3	3809737	2.28E-07	0.9YrCance	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2768	ALL	464277.3	3809737	2.19E-07	0.9YrCance	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2769	ALL	464315.3	3809737	2.11E-07	0.9YrCance	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2770	ALL	464353.3	3809737	2.03E-07	0.9YrCance	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2771	ALL	464391.3	3809737	1.95E-07	0.9YrCance	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2772	ALL	464429.3	3809737	1.88E-07	0.9YrCance	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2773	ALL	464467.3	3809737	1.81E-07	0.9YrCance	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2774	ALL	464505.3	3809737	1.75E-07	0.9YrCance	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2775	ALL	463745.3	3809766	2.74E-07	0.9YrCance	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2776	ALL	463783.3	3809766	2.74E-07	0.9YrCance	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2777	ALL	463821.3	3809766	2.73E-07	0.9YrCance	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2778	ALL	463859.3	3809766	2.73E-07	0.9YrCance	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2779	ALL	463897.3	3809766	2.72E-07	0.9YrCance	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2780	ALL	463935.3	3809766	2.69E-07	0.9YrCance	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2781	ALL	463973.3	3809766	2.66E-07	0.9YrCance	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2782	ALL	464011.3	3809766	2.64E-07	0.9YrCance	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2783	ALL	464049.3	3809766	2.60E-07	0.9YrCance	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2784	ALL	464087.3	3809766	2.53E-07	0.9YrCance	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2785	ALL	464125.3	3809766	2.46E-07	0.9YrCance	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2786	ALL	464163.3	3809766	2.39E-07	0.9YrCance	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2787	ALL	464201.3	3809766	2.30E-07	0.9YrCance	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2788	ALL	464239.3	3809766	2.21E-07	0.9YrCance	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2789	ALL	464277.3	3809766	2.13E-07	0.9YrCance	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2790	ALL	464315.3	3809766	2.05E-07	0.9YrCance	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2791	ALL	464353.3	3809766	1.97E-07	0.9YrCance	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2792	ALL	464391.3	3809766	1.90E-07	0.9YrCance	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2793	ALL	464429.3	3809766	1.83E-07	0.9YrCance	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2794	ALL	464467.3	3809766	1.77E-07	0.9YrCance	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2795	ALL	464505.3	3809766	1.70E-07	0.9YrCance	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2796	ALL	463745.3	3809795	2.64E-07	0.9YrCance	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2797	ALL	463783.3	3809795	2.62E-07	0.9YrCance	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2798	ALL	463821.3	3809795	2.61E-07	0.9YrCance	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2799	ALL	463859.3	3809795	2.60E-07	0.9YrCance	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2800	ALL	463897.3	3809795	2.60E-07	0.9YrCance	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2801	ALL	463935.3	3809795	2.57E-07	0.9YrCance	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2802	ALL	463973.3	3809795	2.54E-07	0.9YrCance	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2803	ALL	464011.3	3809795	2.52E-07	0.9YrCance	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2804	ALL	464049.3	3809795	2.51E-07	0.9YrCance	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2805	ALL	464087.3	3809795	2.45E-07	0.9YrCance	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2806	ALL	464125.3	3809795	2.38E-07	0.9YrCance	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2807	ALL	464163.3	3809795	2.31E-07	0.9YrCance	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2808	ALL	464201.3	3809795	2.23E-07	0.9YrCance	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2809	ALL	464239.3	3809795	2.14E-07	0.9YrCance	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2810	ALL	464277.3	3809795	2.07E-07	0.9YrCance	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2811	ALL	464315.3	3809795	1.99E-07	0.9YrCance	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2812	ALL	464353.3	3809795	1.91E-07	0.9YrCance	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2813	ALL	464391.3	3809795	1.84E-07	0.9YrCance	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2814	ALL	464429.3	3809795	1.78E-07	0.9YrCance	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2815	ALL	464467.3	3809795	1.72E-07	0.9YrCance	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2816	ALL	464505.3	3809795	1.66E-07	0.9YrCance	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2817	ALL	463745.3	3809824	2.54E-07	0.9YrCance	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2818	ALL	463783.3	3809824	2.52E-07	0.9YrCance	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2819	ALL	463821.3	3809824	2.50E-07	0.9YrCance	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2820	ALL	463859.3	3809824	2.49E-07	0.9YrCance	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2821	ALL	463897.3	3809824	2.48E-07	0.9YrCance	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2822	ALL	463935.3	3809824	2.45E-07	0.9YrCance	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2823	ALL	463973.3	3809824	2.43E-07	0.9YrCance	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2824	ALL	464011.3	3809824	2.40E-07	0.9YrCance	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2825	ALL	464049.3	3809824	2.39E-07	0.9YrCance	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2826	ALL	464087.3	3809824	2.36E-07	0.9YrCance	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2827	ALL	464125.3	3809824	2.30E-07	0.9YrCance	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2828	ALL	464163.3	3809824	2.23E-07	0.9YrCance	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2829	ALL	464201.3	3809824	2.16E-07	0.9YrCance	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2830	ALL	464239.3	3809824	2.08E-07	0.9YrCance	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2831	ALL	464277.3	3809824	2.01E-07	0.9YrCance	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2832	ALL	464315.3	3809824	1.93E-07	0.9YrCance	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2833	ALL	464353.3	3809824	1.86E-07	0.9YrCance	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2834	ALL	464391.3	3809824	1.79E-07	0.9YrCance	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2835	ALL	464429.3	3809824	1.73E-07	0.9YrCance	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2836	ALL	464467.3	3809824	1.67E-07	0.9YrCance	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2837	ALL	464505.3	3809824	1.61E-07	0.9YrCance	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2838	ALL	463745.3	3809853	2.45E-07	0.9YrCance	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2839	ALL	463783.3	3809853	2.43E-07	0.9YrCance	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2840	ALL	463821.3	3809853	2.40E-07	0.9YrCance	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2841	ALL	463859.3	3809853	2.39E-07	0.9YrCance	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2842	ALL	463897.3	3809853	2.37E-07	0.9YrCance	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2843	ALL	463935.3	3809853	2.34E-07	0.9YrCance	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2844	ALL	463973.3	3809853	2.32E-07	0.9YrCance	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2845	ALL	464011.3	3809853	2.30E-07	0.9YrCance	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2846	ALL	464049.3	3809853	2.28E-07	0.9YrCance	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2847	ALL	464087.3	3809853	2.26E-07	0.9YrCance	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2848	ALL	464125.3	3809853	2.21E-07	0.9YrCance	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2849	ALL	464163.3	3809853	2.15E-07	0.9YrCance	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2850	ALL	464201.3	3809853	2.08E-07	0.9YrCance	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2851	ALL	464239.3	3809853	2.01E-07	0.9YrCance	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2852	ALL	464277.3	3809853	1.94E-07	0.9YrCance	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2853	ALL	464315.3	3809853	1.87E-07	0.9YrCance	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2854	ALL	464353.3	3809853	1.81E-07	0.9YrCance	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2855	ALL	464391.3	3809853	1.74E-07	0.9YrCance	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2856	ALL	464429.3	3809853	1.69E-07	0.9YrCance	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2857	ALL	464467.3	3809853	1.63E-07	0.9YrCance	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2858	ALL	464505.3	3809853	1.57E-07	0.9YrCance	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2859 ALL	463745.3	3809882	2.37E-07	0.9YrCance	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2860 ALL	463783.3	3809882	2.35E-07	0.9YrCance	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2861 ALL	463821.3	3809882	2.32E-07	0.9YrCance	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2862 ALL	463859.3	3809882	2.30E-07	0.9YrCance	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2863 ALL	463897.3	3809882	2.27E-07	0.9YrCance	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2864 ALL	463935.3	3809882	2.24E-07	0.9YrCance	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2865 ALL	463973.3	3809882	2.23E-07	0.9YrCance	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2866 ALL	464011.3	3809882	2.20E-07	0.9YrCance	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2867 ALL	464049.3	3809882	2.18E-07	0.9YrCance	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2868 ALL	464087.3	3809882	2.15E-07	0.9YrCance	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2869 ALL	464125.3	3809882	2.12E-07	0.9YrCance	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2870 ALL	464163.3	3809882	2.06E-07	0.9YrCance	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2871 ALL	464201.3	3809882	2.00E-07	0.9YrCance	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2872 ALL	464239.3	3809882	1.94E-07	0.9YrCance	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2873 ALL	464277.3	3809882	1.88E-07	0.9YrCance	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2874 ALL	464315.3	3809882	1.82E-07	0.9YrCance	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2875 ALL	464353.3	3809882	1.76E-07	0.9YrCance	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2876 ALL	464391.3	3809882	1.70E-07	0.9YrCance	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2877 ALL	464429.3	3809882	1.64E-07	0.9YrCance	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2878 ALL	464467.3	3809882	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2879 ALL	464505.3	3809882	1.54E-07	0.9YrCance	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2880 ALL	463745.3	3809911	2.29E-07	0.9YrCance	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2881 ALL	463783.3	3809911	2.27E-07	0.9YrCance	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2882 ALL	463821.3	3809911	2.24E-07	0.9YrCance	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2883 ALL	463859.3	3809911	2.21E-07	0.9YrCance	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2884 ALL	463897.3	3809911	2.19E-07	0.9YrCance	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2885 ALL	463935.3	3809911	2.16E-07	0.9YrCance	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2886 ALL	463973.3	3809911	2.14E-07	0.9YrCance	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2887 ALL	464011.3	3809911	2.11E-07	0.9YrCance	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2888 ALL	464049.3	3809911	2.10E-07	0.9YrCance	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2889 ALL	464087.3	3809911	2.07E-07	0.9YrCance	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2890 ALL	464125.3	3809911	2.03E-07	0.9YrCance	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2891 ALL	464163.3	3809911	1.98E-07	0.9YrCance	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2892 ALL	464201.3	3809911	1.93E-07	0.9YrCance	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2893 ALL	464239.3	3809911	1.88E-07	0.9YrCance	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2894 ALL	464277.3	3809911	1.82E-07	0.9YrCance	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2895 ALL	464315.3	3809911	1.76E-07	0.9YrCance	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2896 ALL	464353.3	3809911	1.71E-07	0.9YrCance	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2897 ALL	464391.3	3809911	1.65E-07	0.9YrCance	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2898 ALL	464429.3	3809911	1.60E-07	0.9YrCance	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2899 ALL	464467.3	3809911	1.55E-07	0.9YrCance	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2900 ALL	464505.3	3809911	1.50E-07	0.9YrCance	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2901 ALL	463745.3	3809940	2.22E-07	0.9YrCance	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2902 ALL	463783.3	3809940	2.19E-07	0.9YrCance	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2903	ALL	463821.3	3809940	2.17E-07	0.9YrCance	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2904	ALL	463859.3	3809940	2.14E-07	0.9YrCance	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2905	ALL	463897.3	3809940	2.11E-07	0.9YrCance	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2906	ALL	463935.3	3809940	2.08E-07	0.9YrCance	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2907	ALL	463973.3	3809940	2.06E-07	0.9YrCance	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2908	ALL	464011.3	3809940	2.03E-07	0.9YrCance	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2909	ALL	464049.3	3809940	2.01E-07	0.9YrCance	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2910	ALL	464087.3	3809940	1.98E-07	0.9YrCance	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2911	ALL	464125.3	3809940	1.95E-07	0.9YrCance	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2912	ALL	464163.3	3809940	1.91E-07	0.9YrCance	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2913	ALL	464201.3	3809940	1.87E-07	0.9YrCance	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2914	ALL	464239.3	3809940	1.82E-07	0.9YrCance	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2915	ALL	464277.3	3809940	1.77E-07	0.9YrCance	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2916	ALL	464315.3	3809940	1.71E-07	0.9YrCance	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2917	ALL	464353.3	3809940	1.66E-07	0.9YrCance	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2918	ALL	464391.3	3809940	1.61E-07	0.9YrCance	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2919	ALL	464429.3	3809940	1.56E-07	0.9YrCance	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2920	ALL	464467.3	3809940	1.51E-07	0.9YrCance	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2921	ALL	464505.3	3809940	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2922	ALL	463745.3	3809969	2.16E-07	0.9YrCance	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2923	ALL	463783.3	3809969	2.12E-07	0.9YrCance	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2924	ALL	463821.3	3809969	2.09E-07	0.9YrCance	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2925	ALL	463859.3	3809969	2.07E-07	0.9YrCance	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2926	ALL	463897.3	3809969	2.04E-07	0.9YrCance	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2927	ALL	463935.3	3809969	2.01E-07	0.9YrCance	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2928	ALL	463973.3	3809969	1.99E-07	0.9YrCance	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2929	ALL	464011.3	3809969	1.96E-07	0.9YrCance	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2930	ALL	464049.3	3809969	1.93E-07	0.9YrCance	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2931	ALL	464087.3	3809969	1.90E-07	0.9YrCance	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2932	ALL	464125.3	3809969	1.88E-07	0.9YrCance	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2933	ALL	464163.3	3809969	1.85E-07	0.9YrCance	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2934	ALL	464201.3	3809969	1.81E-07	0.9YrCance	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2935	ALL	464239.3	3809969	1.77E-07	0.9YrCance	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2936	ALL	464277.3	3809969	1.72E-07	0.9YrCance	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2937	ALL	464315.3	3809969	1.67E-07	0.9YrCance	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2938	ALL	464353.3	3809969	1.62E-07	0.9YrCance	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2939	ALL	464391.3	3809969	1.57E-07	0.9YrCance	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2940	ALL	464429.3	3809969	1.52E-07	0.9YrCance	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2941	ALL	464467.3	3809969	1.47E-07	0.9YrCance	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2942	ALL	464505.3	3809969	1.43E-07	0.9YrCance	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2943	ALL	463745.3	3809998	2.12E-07	0.9YrCance	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2944	ALL	463783.3	3809998	2.07E-07	0.9YrCance	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2945	ALL	463821.3	3809998	2.03E-07	0.9YrCance	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2946	ALL	463859.3	3809998	2.00E-07	0.9YrCance	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2947 ALL	463897.3	3809998	1.98E-07	0.9YrCance	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2948 ALL	463935.3	3809998	1.95E-07	0.9YrCance	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2949 ALL	463973.3	3809998	1.92E-07	0.9YrCance	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2950 ALL	464011.3	3809998	1.89E-07	0.9YrCance	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2951 ALL	464049.3	3809998	1.86E-07	0.9YrCance	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2952 ALL	464087.3	3809998	1.84E-07	0.9YrCance	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2953 ALL	464125.3	3809998	1.81E-07	0.9YrCance	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2954 ALL	464163.3	3809998	1.79E-07	0.9YrCance	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2955 ALL	464201.3	3809998	1.75E-07	0.9YrCance	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2956 ALL	464239.3	3809998	1.72E-07	0.9YrCance	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2957 ALL	464277.3	3809998	1.67E-07	0.9YrCance	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2958 ALL	464315.3	3809998	1.62E-07	0.9YrCance	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2959 ALL	464353.3	3809998	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2960 ALL	464391.3	3809998	1.53E-07	0.9YrCance	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2961 ALL	464429.3	3809998	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2962 ALL	464467.3	3809998	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2963 ALL	464505.3	3809998	1.39E-07	0.9YrCance	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2964 ALL	463745.3	3810027	2.09E-07	0.9YrCance	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2965 ALL	463783.3	3810027	2.03E-07	0.9YrCance	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2966 ALL	463821.3	3810027	1.98E-07	0.9YrCance	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2967 ALL	463859.3	3810027	1.95E-07	0.9YrCance	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2968 ALL	463897.3	3810027	1.92E-07	0.9YrCance	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2969 ALL	463935.3	3810027	1.89E-07	0.9YrCance	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2970 ALL	463973.3	3810027	1.86E-07	0.9YrCance	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2971 ALL	464011.3	3810027	1.83E-07	0.9YrCance	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2972 ALL	464049.3	3810027	1.81E-07	0.9YrCance	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2973 ALL	464087.3	3810027	1.78E-07	0.9YrCance	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2974 ALL	464125.3	3810027	1.75E-07	0.9YrCance	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2975 ALL	464163.3	3810027	1.73E-07	0.9YrCance	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2976 ALL	464201.3	3810027	1.70E-07	0.9YrCance	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2977 ALL	464239.3	3810027	1.66E-07	0.9YrCance	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2978 ALL	464277.3	3810027	1.62E-07	0.9YrCance	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2979 ALL	464315.3	3810027	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2980 ALL	464353.3	3810027	1.54E-07	0.9YrCance	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2981 ALL	464391.3	3810027	1.49E-07	0.9YrCance	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2982 ALL	464429.3	3810027	1.45E-07	0.9YrCance	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2983 ALL	464467.3	3810027	1.40E-07	0.9YrCance	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2984 ALL	464505.3	3810027	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2985 ALL	463745.3	3810056	2.06E-07	0.9YrCance	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2986 ALL	463783.3	3810056	1.99E-07	0.9YrCance	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2987 ALL	463821.3	3810056	1.94E-07	0.9YrCance	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2988 ALL	463859.3	3810056	1.90E-07	0.9YrCance	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2989 ALL	463897.3	3810056	1.87E-07	0.9YrCance	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2990 ALL	463935.3	3810056	1.84E-07	0.9YrCance	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2991 ALL	463973.3	3810056	1.81E-07	0.9YrCance	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2992 ALL	464011.3	3810056	1.78E-07	0.9YrCance	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2993 ALL	464049.3	3810056	1.75E-07	0.9YrCance	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2994 ALL	464087.3	3810056	1.72E-07	0.9YrCance	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2995 ALL	464125.3	3810056	1.69E-07	0.9YrCance	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2996 ALL	464163.3	3810056	1.67E-07	0.9YrCance	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2997 ALL	464201.3	3810056	1.64E-07	0.9YrCance	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2998 ALL	464239.3	3810056	1.61E-07	0.9YrCance	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2999 ALL	464277.3	3810056	1.57E-07	0.9YrCance	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3000 ALL	464315.3	3810056	1.54E-07	0.9YrCance	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3001 ALL	464353.3	3810056	1.50E-07	0.9YrCance	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3002 ALL	464391.3	3810056	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3003 ALL	464429.3	3810056	1.41E-07	0.9YrCance	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3004 ALL	464467.3	3810056	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3005 ALL	464505.3	3810056	1.32E-07	0.9YrCance	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3006 ALL	463745.3	3810085	2.03E-07	0.9YrCance	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3007 ALL	463783.3	3810085	1.96E-07	0.9YrCance	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3008 ALL	463821.3	3810085	1.90E-07	0.9YrCance	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3009 ALL	463859.3	3810085	1.85E-07	0.9YrCance	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3010 ALL	463897.3	3810085	1.82E-07	0.9YrCance	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3011 ALL	463935.3	3810085	1.79E-07	0.9YrCance	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3012 ALL	463973.3	3810085	1.76E-07	0.9YrCance	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3013 ALL	464011.3	3810085	1.73E-07	0.9YrCance	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3014 ALL	464049.3	3810085	1.69E-07	0.9YrCance	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3015 ALL	464087.3	3810085	1.66E-07	0.9YrCance	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3016 ALL	464125.3	3810085	1.64E-07	0.9YrCance	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3017 ALL	464163.3	3810085	1.61E-07	0.9YrCance	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3018 ALL	464201.3	3810085	1.59E-07	0.9YrCance	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3019 ALL	464239.3	3810085	1.56E-07	0.9YrCance	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3020 ALL	464277.3	3810085	1.53E-07	0.9YrCance	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3021 ALL	464315.3	3810085	1.49E-07	0.9YrCance	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3022 ALL	464353.3	3810085	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3023 ALL	464391.3	3810085	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3024 ALL	464429.3	3810085	1.38E-07	0.9YrCance	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3025 ALL	464467.3	3810085	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3026 ALL	464505.3	3810085	1.29E-07	0.9YrCance	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3027 ALL	463745.3	3810114	1.99E-07	0.9YrCance	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3028 ALL	463783.3	3810114	1.93E-07	0.9YrCance	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3029 ALL	463821.3	3810114	1.86E-07	0.9YrCance	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3030 ALL	463859.3	3810114	1.82E-07	0.9YrCance	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3031 ALL	463897.3	3810114	1.78E-07	0.9YrCance	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3032 ALL	463935.3	3810114	1.74E-07	0.9YrCance	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3033 ALL	463973.3	3810114	1.71E-07	0.9YrCance	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3034 ALL	464011.3	3810114	1.68E-07	0.9YrCance	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3035 ALL	464049.3	3810114	1.64E-07	0.9YrCance	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3036 ALL	464087.3	3810114	1.61E-07	0.9YrCance	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3037 ALL	464125.3	3810114	1.58E-07	0.9YrCance	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3038 ALL	464163.3	3810114	1.56E-07	0.9YrCance	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3039 ALL	464201.3	3810114	1.53E-07	0.9YrCance	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3040 ALL	464239.3	3810114	1.51E-07	0.9YrCance	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3041 ALL	464277.3	3810114	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3042 ALL	464315.3	3810114	1.45E-07	0.9YrCance	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3043 ALL	464353.3	3810114	1.41E-07	0.9YrCance	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3044 ALL	464391.3	3810114	1.37E-07	0.9YrCance	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3045 ALL	464429.3	3810114	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3046 ALL	464467.3	3810114	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3047 ALL	464505.3	3810114	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3048 ALL	463745.3	3810144	1.94E-07	0.9YrCance	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3049 ALL	463783.3	3810144	1.89E-07	0.9YrCance	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3050 ALL	463821.3	3810144	1.84E-07	0.9YrCance	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3051 ALL	463859.3	3810144	1.79E-07	0.9YrCance	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3052 ALL	463897.3	3810144	1.74E-07	0.9YrCance	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3053 ALL	463935.3	3810144	1.70E-07	0.9YrCance	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3054 ALL	463973.3	3810144	1.66E-07	0.9YrCance	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3055 ALL	464011.3	3810144	1.63E-07	0.9YrCance	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3056 ALL	464049.3	3810144	1.60E-07	0.9YrCance	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3057 ALL	464087.3	3810144	1.56E-07	0.9YrCance	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3058 ALL	464125.3	3810144	1.53E-07	0.9YrCance	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3059 ALL	464163.3	3810144	1.51E-07	0.9YrCance	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3060 ALL	464201.3	3810144	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3061 ALL	464239.3	3810144	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3062 ALL	464277.3	3810144	1.44E-07	0.9YrCance	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3063 ALL	464315.3	3810144	1.40E-07	0.9YrCance	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3064 ALL	464353.3	3810144	1.36E-07	0.9YrCance	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3065 ALL	464391.3	3810144	1.33E-07	0.9YrCance	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3066 ALL	464429.3	3810144	1.30E-07	0.9YrCance	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3067 ALL	464467.3	3810144	1.26E-07	0.9YrCance	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3068 ALL	464505.3	3810144	1.23E-07	0.9YrCance	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3069 ALL	464383.8	3807479	9.71E-08	0.9YrCance	9.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3070 ALL	464355	3807405	9.00E-08	0.9YrCance	9.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3071 ALL	464402.1	3807352	7.93E-08	0.9YrCance	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3072 ALL	464367.2	3807296	7.57E-08	0.9YrCance	7.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3073 ALL	464358.5	3807238	6.84E-08	0.9YrCance	6.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3074 ALL	464385.5	3807161	6.16E-08	0.9YrCance	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3075 ALL	464944.4	3809245	1.85E-07	0.9YrCance	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3076 ALL	465700.3	3809255	9.84E-08	0.9YrCance	9.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3077 ALL	465716.2	3808536	1.00E-07	0.9YrCance	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3078 ALL	465544.4	3808534	1.19E-07	0.9YrCance	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3079	ALL	465420.1	3808486	1.34E-07	0.9YrCance	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3080	ALL	465348.8	3808492	1.46E-07	0.9YrCance	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3081	ALL	465317.1	3808444	1.48E-07	0.9YrCance	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3082	ALL	465327.6	3808407	1.42E-07	0.9YrCance	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3083	ALL	465108.2	3808370	1.86E-07	0.9YrCance	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3084	ALL	464999.9	3808301	2.02E-07	0.9YrCance	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3085	ALL	464722.3	3807973	2.07E-07	0.9YrCance	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3086	ALL	464717	3807836	1.78E-07	0.9YrCance	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3087	ALL	464344.3	3807936	2.77E-07	0.9YrCance	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3088	ALL	464349.6	3807781	2.78E-07	0.9YrCance	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3089	ALL	464386.6	3807786	2.66E-07	0.9YrCance	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3090	ALL	464521.4	3807860	2.41E-07	0.9YrCance	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3091	ALL	464537.3	3807720	1.55E-07	0.9YrCance	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3092	ALL	464426.3	3807614	1.21E-07	0.9YrCance	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3093	ALL	464368.4	3807533	1.12E-07	0.9YrCance	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3094	ALL	464324.6	3807122	6.02E-08	0.9YrCance	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3095	ALL	464123.3	3807124	7.17E-08	0.9YrCance	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3096	ALL	463930.1	3806909	5.21E-08	0.9YrCance	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3097	ALL	463831.1	3806906	5.32E-08	0.9YrCance	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3098	ALL	463821.4	3806721	3.94E-08	0.9YrCance	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3099	ALL	463727.2	3806727	3.90E-08	0.9YrCance	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3100	ALL	463599	3806335	2.41E-08	0.9YrCance	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3101	ALL	463001.1	3806362	1.28E-08	0.9YrCance	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3.82E-07

3.82E-01

HARP2 - HRACalc (dated 21081) 4/25/2022 12:01:40 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\Poplar18Const\POPLAR18CONST\hra\Const10monthNonCNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\Poplar18Const\POPLAR18CONST\hra\Const10monthNonCNCChronicRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v21081 4/25/2022 12:01:40 PM - Chronic Risk - Input File: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\Poplar18Const\POPLAR18CONST\hra\Const10monthNonCHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		462160.6	3809378	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05
2	ALL		462051.5	3809271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05
3	ALL		462014.5	3809029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05
4	ALL		462010.6	3808856	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
5	ALL		461936.6	3808887	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05
6	ALL		461936.6	3808998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
7	ALL		461909.3	3808768	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
8	ALL		461835.3	3808895	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
9	ALL		461845	3808996	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
10	ALL		461833.3	3809115	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05
11	ALL		461843.1	3809210	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
12	ALL		461810	3809298	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05
13	ALL		461856.7	3809386	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
14	ALL		461841.1	3809483	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05
15	ALL		462004.7	3809380	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05
16	ALL		461763.2	3808793	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
17	ALL		461753.5	3808700	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
18	ALL		461835.3	3808686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
19	ALL		461823.6	3808579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
20	ALL		461761.3	3808585	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
21	ALL		462301.2	3807807	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05
22	ALL		462304.8	3807868	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
23	ALL		462216.8	3807883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
24	ALL		462116.3	3807886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
25	ALL		462114.6	3807789	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
26	ALL		462012.3	3807888	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
27	ALL		462008.7	3807976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
28	ALL		461917.1	3807972	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
29	ALL		461922.5	3808188	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
30	ALL		461908.2	3808288	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
31	ALL		461848.9	3808378	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
32	ALL		461831	3808494	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
33	ALL		462421.4	3808394	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05
34	ALL		462459.1	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05
35	ALL		462437.6	3808581	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
36	ALL		462654.7	3809189	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
37	ALL		462559.5	3809194	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
38	ALL		465763.9	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05
39	ALL		465819.8	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05
40	ALL		465875.8	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
41	ALL		465931.8	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
42	ALL		465987.8	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05
43	ALL		466043.8	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05
44	ALL		466099.7	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
45	ALL		466155.7	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05
46	ALL		466211.7	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05
47	ALL		466267.7	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05
48	ALL		466323.7	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05

49	ALL	466379.6	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
50	ALL	466435.6	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05
51	ALL	466491.6	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
52	ALL	466547.6	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
53	ALL	466603.6	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05
54	ALL	466659.5	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
55	ALL	466715.5	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
56	ALL	466771.5	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
57	ALL	466827.5	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
58	ALL	466883.5	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05
59	ALL	465763.9	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
60	ALL	465819.8	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05
61	ALL	465875.8	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
62	ALL	465931.8	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05
63	ALL	465987.8	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
64	ALL	466043.8	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05
65	ALL	466099.7	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05
66	ALL	466155.7	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
67	ALL	466211.7	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05
68	ALL	466267.7	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
69	ALL	466323.7	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
70	ALL	466379.6	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
71	ALL	466435.6	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05
72	ALL	466491.6	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05
73	ALL	466547.6	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
74	ALL	466603.6	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
75	ALL	466659.5	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05
76	ALL	466715.5	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05
77	ALL	466771.5	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
78	ALL	466827.5	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
79	ALL	466883.5	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05
80	ALL	465763.9	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05
81	ALL	465819.8	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
82	ALL	465875.8	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05
83	ALL	465931.8	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05
84	ALL	465987.8	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
85	ALL	466043.8	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
86	ALL	466099.7	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
87	ALL	466155.7	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
88	ALL	466211.7	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
89	ALL	466267.7	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
90	ALL	466323.7	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
91	ALL	466379.6	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
92	ALL	466435.6	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05
93	ALL	466491.6	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05
94	ALL	466547.6	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05
95	ALL	466603.6	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05
96	ALL	466659.5	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
97	ALL	466715.5	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05
98	ALL	466771.5	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05

99	ALL	466827.5	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
100	ALL	466883.5	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
101	ALL	465763.9	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05
102	ALL	465819.8	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05
103	ALL	465875.8	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05
104	ALL	465931.8	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05
105	ALL	465987.8	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05
106	ALL	466043.8	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05
107	ALL	466099.7	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05
108	ALL	466155.7	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
109	ALL	466211.7	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
110	ALL	466267.7	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
111	ALL	466323.7	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
112	ALL	466379.6	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
113	ALL	466435.6	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05
114	ALL	466491.6	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
115	ALL	466547.6	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
116	ALL	466603.6	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
117	ALL	466659.5	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05
118	ALL	466715.5	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05
119	ALL	466771.5	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
120	ALL	466827.5	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
121	ALL	466883.5	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
122	ALL	465763.9	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05
123	ALL	465819.8	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05
124	ALL	465875.8	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05
125	ALL	465931.8	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05
126	ALL	465987.8	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05
127	ALL	466043.8	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05
128	ALL	466099.7	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05
129	ALL	466155.7	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05
130	ALL	466211.7	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
131	ALL	466267.7	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
132	ALL	466323.7	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
133	ALL	466379.6	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05
134	ALL	466435.6	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
135	ALL	466491.6	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05
136	ALL	466547.6	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
137	ALL	466603.6	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
138	ALL	466659.5	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
139	ALL	466715.5	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05
140	ALL	466771.5	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05
141	ALL	466827.5	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
142	ALL	466883.5	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
143	ALL	465763.9	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
144	ALL	465819.8	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05
145	ALL	465875.8	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05
146	ALL	465931.8	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05
147	ALL	465987.8	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05
148	ALL	466043.8	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05

149	ALL	466099.7	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05
150	ALL	466155.7	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
151	ALL	466211.7	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
152	ALL	466267.7	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
153	ALL	466323.7	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05
154	ALL	466379.6	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
155	ALL	466435.6	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
156	ALL	466491.6	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
157	ALL	466547.6	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
158	ALL	466603.6	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
159	ALL	466659.5	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05
160	ALL	466715.5	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05
161	ALL	466771.5	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05
162	ALL	466827.5	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
163	ALL	466883.5	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05
164	ALL	465763.9	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
165	ALL	465819.8	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
166	ALL	465875.8	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05
167	ALL	465931.8	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05
168	ALL	465987.8	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05
169	ALL	466043.8	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05
170	ALL	466099.7	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05
171	ALL	466155.7	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
172	ALL	466211.7	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
173	ALL	466267.7	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
174	ALL	466323.7	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05
175	ALL	466379.6	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
176	ALL	466435.6	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
177	ALL	466491.6	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05
178	ALL	466547.6	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
179	ALL	466603.6	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05
180	ALL	466659.5	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05
181	ALL	466715.5	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05
182	ALL	466771.5	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
183	ALL	466827.5	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
184	ALL	466883.5	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
185	ALL	465763.9	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
186	ALL	465819.8	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
187	ALL	465875.8	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05
188	ALL	465931.8	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05
189	ALL	465987.8	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05
190	ALL	466043.8	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05
191	ALL	466099.7	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
192	ALL	466155.7	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05
193	ALL	466211.7	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05
194	ALL	466267.7	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05
195	ALL	466323.7	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05
196	ALL	466379.6	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05
197	ALL	466435.6	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05
198	ALL	466491.6	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05

199	ALL	466547.6	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05
200	ALL	466603.6	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05
201	ALL	466659.5	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
202	ALL	466715.5	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05
203	ALL	466771.5	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05
204	ALL	466827.5	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05
205	ALL	466883.5	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05
206	ALL	465763.9	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
207	ALL	465819.8	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
208	ALL	465875.8	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
209	ALL	465931.8	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05
210	ALL	465987.8	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05
211	ALL	466043.8	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05
212	ALL	466099.7	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05
213	ALL	466155.7	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05
214	ALL	466211.7	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05
215	ALL	466267.7	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
216	ALL	466323.7	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05
217	ALL	466379.6	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05
218	ALL	466435.6	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05
219	ALL	466491.6	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05
220	ALL	466547.6	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05
221	ALL	466603.6	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05
222	ALL	466659.5	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05
223	ALL	466715.5	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05
224	ALL	466771.5	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
225	ALL	466827.5	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05
226	ALL	466883.5	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
227	ALL	465763.9	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
228	ALL	465819.8	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
229	ALL	465875.8	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
230	ALL	465931.8	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
231	ALL	465987.8	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05
232	ALL	466043.8	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05
233	ALL	466099.7	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05
234	ALL	466155.7	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05
235	ALL	466211.7	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05
236	ALL	466267.7	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
237	ALL	466323.7	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
238	ALL	466379.6	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
239	ALL	466435.6	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
240	ALL	466491.6	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
241	ALL	466547.6	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
242	ALL	466603.6	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
243	ALL	466659.5	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
244	ALL	466715.5	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05
245	ALL	466771.5	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05
246	ALL	466827.5	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
247	ALL	466883.5	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05
248	ALL	465763.9	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04

249	ALL	465819.8	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
250	ALL	465875.8	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
251	ALL	465931.8	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
252	ALL	465987.8	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05
253	ALL	466043.8	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05
254	ALL	466099.7	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05
255	ALL	466155.7	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05
256	ALL	466211.7	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05
257	ALL	466267.7	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05
258	ALL	466323.7	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05
259	ALL	466379.6	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05
260	ALL	466435.6	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
261	ALL	466491.6	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05
262	ALL	466547.6	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05
263	ALL	466603.6	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05
264	ALL	466659.5	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05
265	ALL	466715.5	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
266	ALL	466771.5	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
267	ALL	466827.5	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05
268	ALL	466883.5	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05
269	ALL	465763.9	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
270	ALL	465819.8	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
271	ALL	465875.8	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
272	ALL	465931.8	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
273	ALL	465987.8	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05
274	ALL	466043.8	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05
275	ALL	466099.7	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05
276	ALL	466155.7	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05
277	ALL	466211.7	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05
278	ALL	466267.7	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05
279	ALL	466323.7	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05
280	ALL	466379.6	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
281	ALL	466435.6	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05
282	ALL	466491.6	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05
283	ALL	466547.6	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05
284	ALL	466603.6	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
285	ALL	466659.5	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05
286	ALL	466715.5	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
287	ALL	466771.5	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
288	ALL	466827.5	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
289	ALL	466883.5	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
290	ALL	465763.9	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
291	ALL	465819.8	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
292	ALL	465875.8	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
293	ALL	465931.8	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
294	ALL	465987.8	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
295	ALL	466043.8	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05
296	ALL	466099.7	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05
297	ALL	466155.7	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05
298	ALL	466211.7	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05

299	ALL	466267.7	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05
300	ALL	466323.7	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05
301	ALL	466379.6	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05
302	ALL	466435.6	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
303	ALL	466491.6	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05
304	ALL	466547.6	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
305	ALL	466603.6	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
306	ALL	466659.5	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05
307	ALL	466715.5	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05
308	ALL	466771.5	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05
309	ALL	466827.5	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05
310	ALL	466883.5	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
311	ALL	465763.9	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
312	ALL	465819.8	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
313	ALL	465875.8	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
314	ALL	465931.8	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
315	ALL	465987.8	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
316	ALL	466043.8	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05
317	ALL	466099.7	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05
318	ALL	466155.7	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05
319	ALL	466211.7	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05
320	ALL	466267.7	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05
321	ALL	466323.7	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
322	ALL	466379.6	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05
323	ALL	466435.6	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
324	ALL	466491.6	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
325	ALL	466547.6	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05
326	ALL	466603.6	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05
327	ALL	466659.5	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05
328	ALL	466715.5	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05
329	ALL	466771.5	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
330	ALL	466827.5	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
331	ALL	466883.5	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
332	ALL	465763.9	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
333	ALL	465819.8	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
334	ALL	465875.8	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
335	ALL	465931.8	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
336	ALL	465987.8	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
337	ALL	466043.8	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05
338	ALL	466099.7	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05
339	ALL	466155.7	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05
340	ALL	466211.7	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05
341	ALL	466267.7	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05
342	ALL	466323.7	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05
343	ALL	466379.6	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05
344	ALL	466435.6	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05
345	ALL	466491.6	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05
346	ALL	466547.6	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05
347	ALL	466603.6	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05
348	ALL	466659.5	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05

349	ALL	466715.5	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05
350	ALL	466771.5	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05
351	ALL	466827.5	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05
352	ALL	466883.5	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05
353	ALL	465763.9	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
354	ALL	465819.8	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
355	ALL	465875.8	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
356	ALL	465931.8	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
357	ALL	465987.8	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
358	ALL	466043.8	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05
359	ALL	466099.7	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05
360	ALL	466155.7	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05
361	ALL	466211.7	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05
362	ALL	466267.7	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05
363	ALL	466323.7	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
364	ALL	466379.6	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05
365	ALL	466435.6	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05
366	ALL	466491.6	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
367	ALL	466547.6	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05
368	ALL	466603.6	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
369	ALL	466659.5	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
370	ALL	466715.5	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
371	ALL	466771.5	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
372	ALL	466827.5	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
373	ALL	466883.5	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
374	ALL	465763.9	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
375	ALL	465819.8	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
376	ALL	465875.8	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
377	ALL	465931.8	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
378	ALL	465987.8	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
379	ALL	466043.8	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05
380	ALL	466099.7	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05
381	ALL	466155.7	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05
382	ALL	466211.7	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05
383	ALL	466267.7	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05
384	ALL	466323.7	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
385	ALL	466379.6	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05
386	ALL	466435.6	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
387	ALL	466491.6	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05
388	ALL	466547.6	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05
389	ALL	466603.6	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05
390	ALL	466659.5	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
391	ALL	466715.5	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
392	ALL	466771.5	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
393	ALL	466827.5	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
394	ALL	466883.5	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05
395	ALL	465763.9	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
396	ALL	465819.8	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
397	ALL	465875.8	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
398	ALL	465931.8	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04

399	ALL	465987.8	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
400	ALL	466043.8	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
401	ALL	466099.7	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05
402	ALL	466155.7	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
403	ALL	466211.7	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05
404	ALL	466267.7	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05
405	ALL	466323.7	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05
406	ALL	466379.6	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05
407	ALL	466435.6	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05
408	ALL	466491.6	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05
409	ALL	466547.6	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05
410	ALL	466603.6	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05
411	ALL	466659.5	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
412	ALL	466715.5	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
413	ALL	466771.5	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05
414	ALL	466827.5	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
415	ALL	466883.5	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05
416	ALL	465763.9	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
417	ALL	465819.8	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
418	ALL	465875.8	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
419	ALL	465931.8	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
420	ALL	465987.8	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
421	ALL	466043.8	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05
422	ALL	466099.7	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05
423	ALL	466155.7	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
424	ALL	466211.7	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05
425	ALL	466267.7	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
426	ALL	466323.7	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05
427	ALL	466379.6	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05
428	ALL	466435.6	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05
429	ALL	466491.6	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05
430	ALL	466547.6	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05
431	ALL	466603.6	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
432	ALL	466659.5	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
433	ALL	466715.5	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05
434	ALL	466771.5	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
435	ALL	466827.5	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
436	ALL	466883.5	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05
437	ALL	465763.9	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
438	ALL	465819.8	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
439	ALL	465875.8	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
440	ALL	465931.8	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
441	ALL	465987.8	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05
442	ALL	466043.8	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05
443	ALL	466099.7	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05
444	ALL	466155.7	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05
445	ALL	466211.7	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
446	ALL	466267.7	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05
447	ALL	466323.7	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05
448	ALL	466379.6	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05

449	ALL	466435.6	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
450	ALL	466491.6	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05
451	ALL	466547.6	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05
452	ALL	466603.6	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05
453	ALL	466659.5	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05
454	ALL	466715.5	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
455	ALL	466771.5	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05
456	ALL	466827.5	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
457	ALL	466883.5	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05
458	ALL	465763.9	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
459	ALL	465819.8	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
460	ALL	465875.8	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
461	ALL	465931.8	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
462	ALL	465987.8	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05
463	ALL	466043.8	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05
464	ALL	466099.7	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05
465	ALL	466155.7	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05
466	ALL	466211.7	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05
467	ALL	466267.7	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05
468	ALL	466323.7	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05
469	ALL	466379.6	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05
470	ALL	466435.6	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05
471	ALL	466491.6	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05
472	ALL	466547.6	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
473	ALL	466603.6	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05
474	ALL	466659.5	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05
475	ALL	466715.5	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05
476	ALL	466771.5	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
477	ALL	466827.5	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
478	ALL	466883.5	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
479	ALL	464503.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
480	ALL	464523.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05
481	ALL	464543.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05
482	ALL	464563.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
483	ALL	464583.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
484	ALL	464603.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05
485	ALL	464623.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05
486	ALL	464643.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05
487	ALL	464663.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
488	ALL	464683.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05
489	ALL	464703.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05
490	ALL	464723.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
491	ALL	464743.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05
492	ALL	464763.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05
493	ALL	464783.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
494	ALL	464803.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05
495	ALL	464823.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05
496	ALL	464843.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05
497	ALL	464863.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05
498	ALL	464883.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05

499	ALL	464903.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
500	ALL	464923.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05
501	ALL	464503.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05
502	ALL	464523.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05
503	ALL	464543.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05
504	ALL	464563.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05
505	ALL	464583.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
506	ALL	464603.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
507	ALL	464623.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05
508	ALL	464643.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05
509	ALL	464663.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05
510	ALL	464683.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05
511	ALL	464703.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
512	ALL	464723.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05
513	ALL	464743.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05
514	ALL	464763.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05
515	ALL	464783.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05
516	ALL	464803.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05
517	ALL	464823.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05
518	ALL	464843.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
519	ALL	464863.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05
520	ALL	464883.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05
521	ALL	464903.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05
522	ALL	464923.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05
523	ALL	464503.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05
524	ALL	464523.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
525	ALL	464543.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05
526	ALL	464563.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05
527	ALL	464583.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05
528	ALL	464603.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05
529	ALL	464623.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
530	ALL	464643.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05
531	ALL	464663.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05
532	ALL	464683.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05
533	ALL	464703.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05
534	ALL	464723.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
535	ALL	464743.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05
536	ALL	464763.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
537	ALL	464783.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05
538	ALL	464803.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05
539	ALL	464823.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
540	ALL	464843.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05
541	ALL	464863.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
542	ALL	464883.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05
543	ALL	464903.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05
544	ALL	464923.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
545	ALL	464503.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05
546	ALL	464523.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05
547	ALL	464543.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05
548	ALL	464563.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05

549	ALL	464583.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05
550	ALL	464603.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05
551	ALL	464623.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05
552	ALL	464643.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05
553	ALL	464663.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05
554	ALL	464683.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05
555	ALL	464703.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05
556	ALL	464723.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05
557	ALL	464743.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
558	ALL	464763.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05
559	ALL	464783.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
560	ALL	464803.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05
561	ALL	464823.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05
562	ALL	464843.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05
563	ALL	464863.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
564	ALL	464883.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
565	ALL	464903.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
566	ALL	464923.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05
567	ALL	464503.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05
568	ALL	464523.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05
569	ALL	464543.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05
570	ALL	464563.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05
571	ALL	464583.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05
572	ALL	464603.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05
573	ALL	464623.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05
574	ALL	464643.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05
575	ALL	464663.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
576	ALL	464683.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05
577	ALL	464703.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05
578	ALL	464723.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05
579	ALL	464743.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
580	ALL	464763.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05
581	ALL	464783.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
582	ALL	464803.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
583	ALL	464823.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05
584	ALL	464843.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
585	ALL	464863.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05
586	ALL	464883.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05
587	ALL	464903.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
588	ALL	464923.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
589	ALL	464503.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05
590	ALL	464523.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05
591	ALL	464543.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
592	ALL	464563.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05
593	ALL	464583.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05
594	ALL	464603.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05
595	ALL	464623.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05
596	ALL	464643.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05
597	ALL	464663.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
598	ALL	464683.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05

599	ALL	464703.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
600	ALL	464723.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
601	ALL	464743.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05
602	ALL	464763.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
603	ALL	464783.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
604	ALL	464803.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05
605	ALL	464823.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05
606	ALL	464843.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
607	ALL	464863.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
608	ALL	464883.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05
609	ALL	464903.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05
610	ALL	464923.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
611	ALL	464503.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05
612	ALL	464523.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
613	ALL	464543.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05
614	ALL	464563.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
615	ALL	464583.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05
616	ALL	464603.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
617	ALL	464623.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05
618	ALL	464643.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05
619	ALL	464663.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
620	ALL	464683.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05
621	ALL	464703.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
622	ALL	464723.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05
623	ALL	464743.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05
624	ALL	464763.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05
625	ALL	464783.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05
626	ALL	464803.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
627	ALL	464823.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
628	ALL	464843.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
629	ALL	464863.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
630	ALL	464883.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05
631	ALL	464903.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05
632	ALL	464923.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05
633	ALL	464503.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05
634	ALL	464523.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05
635	ALL	464543.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05
636	ALL	464563.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05
637	ALL	464583.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05
638	ALL	464603.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05
639	ALL	464623.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05
640	ALL	464643.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
641	ALL	464663.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05
642	ALL	464683.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05
643	ALL	464703.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
644	ALL	464723.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05
645	ALL	464743.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05
646	ALL	464763.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05
647	ALL	464783.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05
648	ALL	464803.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05

649	ALL	464823.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05
650	ALL	464843.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05
651	ALL	464863.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05
652	ALL	464883.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05
653	ALL	464903.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05
654	ALL	464923.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05
655	ALL	464503.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05
656	ALL	464523.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05
657	ALL	464543.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
658	ALL	464563.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
659	ALL	464583.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05
660	ALL	464603.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05
661	ALL	464623.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
662	ALL	464643.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05
663	ALL	464663.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
664	ALL	464683.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05
665	ALL	464703.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
666	ALL	464723.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05
667	ALL	464743.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05
668	ALL	464763.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05
669	ALL	464783.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
670	ALL	464803.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05
671	ALL	464823.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
672	ALL	464843.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05
673	ALL	464863.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
674	ALL	464883.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05
675	ALL	464903.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05
676	ALL	464923.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05
677	ALL	464503.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05
678	ALL	464523.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05
679	ALL	464543.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05
680	ALL	464563.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05
681	ALL	464583.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
682	ALL	464603.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05
683	ALL	464623.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05
684	ALL	464643.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05
685	ALL	464663.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05
686	ALL	464683.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
687	ALL	464703.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05
688	ALL	464723.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05
689	ALL	464743.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
690	ALL	464763.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
691	ALL	464783.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05
692	ALL	464803.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
693	ALL	464823.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05
694	ALL	464843.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05
695	ALL	464863.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05
696	ALL	464883.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05
697	ALL	464903.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05
698	ALL	464923.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05

699	ALL	464503.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05
700	ALL	464523.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05
701	ALL	464543.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05
702	ALL	464563.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05
703	ALL	464583.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05
704	ALL	464603.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05
705	ALL	464623.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05
706	ALL	464643.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05
707	ALL	464663.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05
708	ALL	464683.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05
709	ALL	464703.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05
710	ALL	464723.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05
711	ALL	464743.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
712	ALL	464763.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
713	ALL	464783.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05
714	ALL	464803.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05
715	ALL	464823.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
716	ALL	464843.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05
717	ALL	464863.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05
718	ALL	464883.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05
719	ALL	464903.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05
720	ALL	464923.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
721	ALL	464503.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05
722	ALL	464523.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05
723	ALL	464543.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05
724	ALL	464563.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05
725	ALL	464583.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05
726	ALL	464603.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05
727	ALL	464623.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05
728	ALL	464643.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05
729	ALL	464663.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
730	ALL	464683.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05
731	ALL	464703.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05
732	ALL	464723.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
733	ALL	464743.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05
734	ALL	464763.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
735	ALL	464783.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05
736	ALL	464803.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05
737	ALL	464823.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05
738	ALL	464843.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05
739	ALL	464863.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05
740	ALL	464883.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05
741	ALL	464903.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05
742	ALL	464923.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05
743	ALL	464503.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05
744	ALL	464523.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05
745	ALL	464543.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05
746	ALL	464563.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05
747	ALL	464583.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05
748	ALL	464603.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05

749	ALL	464623.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05
750	ALL	464643.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05
751	ALL	464663.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05
752	ALL	464683.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05
753	ALL	464703.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05
754	ALL	464723.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
755	ALL	464743.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05
756	ALL	464763.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05
757	ALL	464783.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05
758	ALL	464803.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05
759	ALL	464823.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
760	ALL	464843.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05
761	ALL	464863.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05
762	ALL	464883.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
763	ALL	464903.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05
764	ALL	464923.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05
765	ALL	464503.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05
766	ALL	464523.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05
767	ALL	464543.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05
768	ALL	464563.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05
769	ALL	464583.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05
770	ALL	464603.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05
771	ALL	464623.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05
772	ALL	464643.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05
773	ALL	464663.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05
774	ALL	464683.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
775	ALL	464703.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05
776	ALL	464723.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05
777	ALL	464743.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05
778	ALL	464763.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
779	ALL	464783.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05
780	ALL	464803.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05
781	ALL	464823.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05
782	ALL	464843.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05
783	ALL	464863.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05
784	ALL	464883.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05
785	ALL	464903.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05
786	ALL	464923.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
787	ALL	464503.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
788	ALL	464523.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05
789	ALL	464543.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05
790	ALL	464563.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05
791	ALL	464583.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05
792	ALL	464603.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05
793	ALL	464623.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05
794	ALL	464643.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05
795	ALL	464663.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05
796	ALL	464683.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05
797	ALL	464703.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05
798	ALL	464723.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05

799	ALL	464743.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05
800	ALL	464763.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05
801	ALL	464783.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05
802	ALL	464803.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05
803	ALL	464823.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05
804	ALL	464843.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05
805	ALL	464863.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05
806	ALL	464883.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05
807	ALL	464903.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
808	ALL	464923.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
809	ALL	464503.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05
810	ALL	464523.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05
811	ALL	464543.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05
812	ALL	464563.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05
813	ALL	464583.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05
814	ALL	464603.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05
815	ALL	464623.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05
816	ALL	464643.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05
817	ALL	464663.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05
818	ALL	464683.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05
819	ALL	464703.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05
820	ALL	464723.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05
821	ALL	464743.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05
822	ALL	464763.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05
823	ALL	464783.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05
824	ALL	464803.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05
825	ALL	464823.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05
826	ALL	464843.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
827	ALL	464863.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
828	ALL	464883.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
829	ALL	464903.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
830	ALL	464923.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
831	ALL	464503.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
832	ALL	464523.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-05
833	ALL	464543.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
834	ALL	464563.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05
835	ALL	464583.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05
836	ALL	464603.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05
837	ALL	464623.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05
838	ALL	464643.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
839	ALL	464663.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05
840	ALL	464683.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05
841	ALL	464703.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05
842	ALL	464723.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05
843	ALL	464743.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05
844	ALL	464763.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05
845	ALL	464783.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05
846	ALL	464803.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05
847	ALL	464823.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05
848	ALL	464843.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04

849	ALL	464863.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
850	ALL	464883.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
851	ALL	464903.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
852	ALL	464923.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
853	ALL	464503.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
854	ALL	464523.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
855	ALL	464543.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05
856	ALL	464563.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05
857	ALL	464583.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05
858	ALL	464603.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05
859	ALL	464623.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05
860	ALL	464643.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05
861	ALL	464663.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05
862	ALL	464683.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
863	ALL	464703.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05
864	ALL	464723.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05
865	ALL	464743.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05
866	ALL	464763.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05
867	ALL	464783.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05
868	ALL	464803.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
869	ALL	464823.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05
870	ALL	464843.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
871	ALL	464863.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
872	ALL	464883.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
873	ALL	464903.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
874	ALL	464923.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
875	ALL	464503.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
876	ALL	464523.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
877	ALL	464543.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
878	ALL	464563.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
879	ALL	464583.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05
880	ALL	464603.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05
881	ALL	464623.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05
882	ALL	464643.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05
883	ALL	464663.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05
884	ALL	464683.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05
885	ALL	464703.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05
886	ALL	464723.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05
887	ALL	464743.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05
888	ALL	464763.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05
889	ALL	464783.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05
890	ALL	464803.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
891	ALL	464823.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
892	ALL	464843.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
893	ALL	464863.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
894	ALL	464883.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
895	ALL	464903.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
896	ALL	464923.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
897	ALL	464503.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
898	ALL	464523.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04

899	ALL	464543.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
900	ALL	464563.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
901	ALL	464583.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
902	ALL	464603.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05
903	ALL	464623.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
904	ALL	464643.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05
905	ALL	464663.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05
906	ALL	464683.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05
907	ALL	464703.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05
908	ALL	464723.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05
909	ALL	464743.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05
910	ALL	464763.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
911	ALL	464783.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
912	ALL	464803.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
913	ALL	464823.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
914	ALL	464843.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
915	ALL	464863.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
916	ALL	464883.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
917	ALL	464903.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
918	ALL	464923.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
919	ALL	464503.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
920	ALL	464523.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
921	ALL	464543.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
922	ALL	464563.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
923	ALL	464583.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
924	ALL	464603.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
925	ALL	464623.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
926	ALL	464643.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
927	ALL	464663.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
928	ALL	464683.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
929	ALL	464703.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
930	ALL	464723.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
931	ALL	464743.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
932	ALL	464763.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
933	ALL	464783.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
934	ALL	464803.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
935	ALL	464823.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
936	ALL	464843.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
937	ALL	464863.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
938	ALL	464883.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
939	ALL	464903.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
940	ALL	464923.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
941	ALL	464503.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
942	ALL	464523.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
943	ALL	464543.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
944	ALL	464563.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
945	ALL	464583.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
946	ALL	464603.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
947	ALL	464623.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
948	ALL	464643.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04

949	ALL	464663.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
950	ALL	464683.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
951	ALL	464703.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
952	ALL	464723.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
953	ALL	464743.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
954	ALL	464763.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
955	ALL	464783.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
956	ALL	464803.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
957	ALL	464823.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
958	ALL	464843.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
959	ALL	464863.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
960	ALL	464883.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
961	ALL	464903.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
962	ALL	464923.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
963	ALL	464503.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
964	ALL	464523.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
965	ALL	464543.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
966	ALL	464563.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
967	ALL	464583.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
968	ALL	464603.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
969	ALL	464623.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
970	ALL	464643.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
971	ALL	464663.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
972	ALL	464683.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
973	ALL	464703.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
974	ALL	464723.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
975	ALL	464743.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
976	ALL	464763.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
977	ALL	464783.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
978	ALL	464803.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
979	ALL	464823.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
980	ALL	464843.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
981	ALL	464863.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
982	ALL	464883.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
983	ALL	464903.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
984	ALL	464923.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
985	ALL	464503.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
986	ALL	464523.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
987	ALL	464543.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
988	ALL	464563.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
989	ALL	464583.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
990	ALL	464603.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
991	ALL	464623.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
992	ALL	464643.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
993	ALL	464663.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
994	ALL	464683.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
995	ALL	464703.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
996	ALL	464723.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
997	ALL	464743.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
998	ALL	464763.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04

999	ALL	464783.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1000	ALL	464803.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1001	ALL	464823.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1002	ALL	464843.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1003	ALL	464863.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1004	ALL	464883.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1005	ALL	464903.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1006	ALL	464923.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1007	ALL	464503.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1008	ALL	464523.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1009	ALL	464543.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1010	ALL	464563.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1011	ALL	464583.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1012	ALL	464603.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1013	ALL	464623.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1014	ALL	464643.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1015	ALL	464663.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1016	ALL	464683.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1017	ALL	464703.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1018	ALL	464723.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1019	ALL	464743.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1020	ALL	464763.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1021	ALL	464783.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1022	ALL	464803.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
1023	ALL	464823.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
1024	ALL	464843.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1025	ALL	464863.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1026	ALL	464883.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
1027	ALL	464903.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1028	ALL	464923.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1029	ALL	464503.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1030	ALL	464523.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1031	ALL	464543.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1032	ALL	464563.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1033	ALL	464583.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1034	ALL	464603.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1035	ALL	464623.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1036	ALL	464643.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1037	ALL	464663.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1038	ALL	464683.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1039	ALL	464703.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1040	ALL	464723.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1041	ALL	464743.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1042	ALL	464763.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1043	ALL	464783.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
1044	ALL	464803.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
1045	ALL	464823.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1046	ALL	464843.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1047	ALL	464863.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1048	ALL	464883.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04

1049	ALL	464903.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1050	ALL	464923.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1051	ALL	464503.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
1052	ALL	464523.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1053	ALL	464543.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1054	ALL	464563.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1055	ALL	464583.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1056	ALL	464603.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1057	ALL	464623.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1058	ALL	464643.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1059	ALL	464663.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
1060	ALL	464683.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1061	ALL	464703.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1062	ALL	464723.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1063	ALL	464743.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1064	ALL	464763.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1065	ALL	464783.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1066	ALL	464803.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1067	ALL	464823.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1068	ALL	464843.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1069	ALL	464863.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
1070	ALL	464883.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1071	ALL	464903.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1072	ALL	464923.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1073	ALL	464503.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
1074	ALL	464523.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1075	ALL	464543.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1076	ALL	464563.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1077	ALL	464583.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1078	ALL	464603.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1079	ALL	464623.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1080	ALL	464643.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
1081	ALL	464663.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1082	ALL	464683.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1083	ALL	464703.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1084	ALL	464723.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1085	ALL	464743.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1086	ALL	464763.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1087	ALL	464783.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1088	ALL	464803.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1089	ALL	464823.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1090	ALL	464843.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1091	ALL	464863.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1092	ALL	464883.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1093	ALL	464903.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1094	ALL	464923.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1095	ALL	464523.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
1096	ALL	464543.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1097	ALL	464563.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1098	ALL	464583.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04

1099	ALL	464603.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1100	ALL	464623.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1101	ALL	464643.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1102	ALL	464663.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1103	ALL	464683.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1104	ALL	464703.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
1105	ALL	464723.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
1106	ALL	464743.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1107	ALL	464763.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1108	ALL	464783.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1109	ALL	464803.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
1110	ALL	464823.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1111	ALL	464843.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
1112	ALL	464863.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1113	ALL	464883.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1114	ALL	464903.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1115	ALL	464923.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1116	ALL	464543.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
1117	ALL	464563.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
1118	ALL	464583.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
1119	ALL	464603.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1120	ALL	464623.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1121	ALL	464643.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1122	ALL	464663.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
1123	ALL	464683.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
1124	ALL	464703.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1125	ALL	464723.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
1126	ALL	464743.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
1127	ALL	464763.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
1128	ALL	464783.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
1129	ALL	464803.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
1130	ALL	464823.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1131	ALL	464843.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
1132	ALL	464863.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1133	ALL	464883.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1134	ALL	464903.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1135	ALL	464923.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1136	ALL	464943.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1137	ALL	464963.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1138	ALL	464983.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1139	ALL	465003.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1140	ALL	465023.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1141	ALL	465043.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1142	ALL	465063.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1143	ALL	465083.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1144	ALL	465103.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1145	ALL	465123.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1146	ALL	465143.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1147	ALL	465163.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1148	ALL	465183.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04

1149	ALL	465203.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1150	ALL	465223.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1151	ALL	465243.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1152	ALL	465263.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1153	ALL	465283.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1154	ALL	465303.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1155	ALL	465323.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1156	ALL	465343.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1157	ALL	465363.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05
1158	ALL	465383.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05
1159	ALL	464543.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
1160	ALL	464563.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
1161	ALL	464583.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1162	ALL	464603.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
1163	ALL	464623.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
1164	ALL	464643.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
1165	ALL	464663.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
1166	ALL	464683.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
1167	ALL	464703.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
1168	ALL	464723.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
1169	ALL	464743.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
1170	ALL	464763.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
1171	ALL	464783.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1172	ALL	464803.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
1173	ALL	464823.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
1174	ALL	464843.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
1175	ALL	464863.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
1176	ALL	464883.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1177	ALL	464903.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1178	ALL	464923.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1179	ALL	464943.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
1180	ALL	464963.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1181	ALL	464983.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1182	ALL	465003.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1183	ALL	465023.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1184	ALL	465043.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1185	ALL	465063.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1186	ALL	465083.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1187	ALL	465103.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1188	ALL	465123.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1189	ALL	465143.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1190	ALL	465163.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1191	ALL	465183.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1192	ALL	465203.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1193	ALL	465223.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1194	ALL	465243.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1195	ALL	465263.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1196	ALL	465283.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1197	ALL	465303.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1198	ALL	465323.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04

1199	ALL	465343.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1200	ALL	465363.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1201	ALL	465383.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05
1202	ALL	464543.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
1203	ALL	464563.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
1204	ALL	464583.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
1205	ALL	464603.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
1206	ALL	464623.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
1207	ALL	464643.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
1208	ALL	464663.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
1209	ALL	464683.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
1210	ALL	464703.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
1211	ALL	464723.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
1212	ALL	464743.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
1213	ALL	464763.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
1214	ALL	464783.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
1215	ALL	464803.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
1216	ALL	464823.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
1217	ALL	464843.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
1218	ALL	464863.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1219	ALL	464883.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
1220	ALL	464903.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
1221	ALL	464923.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1222	ALL	464943.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1223	ALL	464963.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1224	ALL	464983.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
1225	ALL	465003.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1226	ALL	465023.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1227	ALL	465043.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1228	ALL	465063.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1229	ALL	465083.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1230	ALL	465103.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1231	ALL	465123.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1232	ALL	465143.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1233	ALL	465163.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1234	ALL	465183.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1235	ALL	465203.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1236	ALL	465223.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1237	ALL	465243.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1238	ALL	465263.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1239	ALL	465283.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1240	ALL	465303.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1241	ALL	465323.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1242	ALL	465343.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1243	ALL	465363.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1244	ALL	465383.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1245	ALL	464543.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
1246	ALL	464563.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
1247	ALL	464583.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
1248	ALL	464603.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04

1249	ALL	464623.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
1250	ALL	464643.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
1251	ALL	464663.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
1252	ALL	464683.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
1253	ALL	464703.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
1254	ALL	464723.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
1255	ALL	464743.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
1256	ALL	464763.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
1257	ALL	464783.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
1258	ALL	464803.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
1259	ALL	464823.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
1260	ALL	464843.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
1261	ALL	464863.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
1262	ALL	464883.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1263	ALL	464903.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
1264	ALL	464923.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1265	ALL	464943.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1266	ALL	464963.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1267	ALL	464983.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1268	ALL	465003.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1269	ALL	465023.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1270	ALL	465043.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
1271	ALL	465063.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1272	ALL	465083.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1273	ALL	465103.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1274	ALL	465123.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1275	ALL	465143.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1276	ALL	465163.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1277	ALL	465183.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1278	ALL	465203.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1279	ALL	465223.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1280	ALL	465243.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1281	ALL	465263.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1282	ALL	465283.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1283	ALL	465303.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1284	ALL	465323.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1285	ALL	465343.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1286	ALL	465363.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1287	ALL	465383.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1288	ALL	464543.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
1289	ALL	464563.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
1290	ALL	464583.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
1291	ALL	464603.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
1292	ALL	464623.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
1293	ALL	464643.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
1294	ALL	464663.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
1295	ALL	464683.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
1296	ALL	464703.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
1297	ALL	464723.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
1298	ALL	464743.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04

1299	ALL	464763.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
1300	ALL	464783.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
1301	ALL	464803.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
1302	ALL	464823.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
1303	ALL	464843.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1304	ALL	464863.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
1305	ALL	464883.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
1306	ALL	464903.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1307	ALL	464923.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1308	ALL	464943.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1309	ALL	464963.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
1310	ALL	464983.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1311	ALL	465003.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1312	ALL	465023.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1313	ALL	465043.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1314	ALL	465063.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1315	ALL	465083.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1316	ALL	465103.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1317	ALL	465123.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1318	ALL	465143.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1319	ALL	465163.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1320	ALL	465183.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1321	ALL	465203.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1322	ALL	465223.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1323	ALL	465243.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1324	ALL	465263.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1325	ALL	465283.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1326	ALL	465303.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1327	ALL	465323.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1328	ALL	465343.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1329	ALL	465363.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1330	ALL	465383.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1331	ALL	464543.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
1332	ALL	464563.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
1333	ALL	464583.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
1334	ALL	464603.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
1335	ALL	464623.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
1336	ALL	464643.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
1337	ALL	464663.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
1338	ALL	464683.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
1339	ALL	464703.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
1340	ALL	464723.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
1341	ALL	464743.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
1342	ALL	464763.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
1343	ALL	464783.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
1344	ALL	464803.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
1345	ALL	464823.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
1346	ALL	464843.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
1347	ALL	464863.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1348	ALL	464883.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04

1349	ALL	464903.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
1350	ALL	464923.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
1351	ALL	464943.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1352	ALL	464963.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1353	ALL	464983.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1354	ALL	465003.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
1355	ALL	465023.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1356	ALL	465043.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1357	ALL	465063.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1358	ALL	465083.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1359	ALL	465103.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1360	ALL	465123.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1361	ALL	465143.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1362	ALL	465163.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1363	ALL	465183.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1364	ALL	465203.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1365	ALL	465223.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1366	ALL	465243.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1367	ALL	465263.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1368	ALL	465283.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1369	ALL	465303.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1370	ALL	465323.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1371	ALL	465343.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1372	ALL	465363.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1373	ALL	465383.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1374	ALL	464543.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
1375	ALL	464563.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
1376	ALL	464583.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04
1377	ALL	464603.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
1378	ALL	464623.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
1379	ALL	464643.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
1380	ALL	464663.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
1381	ALL	464683.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
1382	ALL	464723.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
1383	ALL	464743.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
1384	ALL	464763.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
1385	ALL	464783.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
1386	ALL	464803.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
1387	ALL	464823.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
1388	ALL	464843.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
1389	ALL	464863.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
1390	ALL	464883.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
1391	ALL	464903.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
1392	ALL	464923.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
1393	ALL	464943.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
1394	ALL	464963.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
1395	ALL	464983.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1396	ALL	465003.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1397	ALL	465023.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1398	ALL	465043.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04

1399	ALL	465063.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1400	ALL	465083.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
1401	ALL	465103.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1402	ALL	465123.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1403	ALL	465143.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1404	ALL	465163.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1405	ALL	465183.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1406	ALL	465203.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1407	ALL	465223.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1408	ALL	465243.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1409	ALL	465263.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1410	ALL	465283.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1411	ALL	465303.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1412	ALL	465323.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1413	ALL	465343.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1414	ALL	465363.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1415	ALL	465383.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1416	ALL	464503.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04
1417	ALL	464523.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
1418	ALL	464543.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
1419	ALL	464563.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
1420	ALL	464583.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
1421	ALL	464603.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04
1422	ALL	464723.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
1423	ALL	464743.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
1424	ALL	464763.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
1425	ALL	464783.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
1426	ALL	464803.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
1427	ALL	464823.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
1428	ALL	464843.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
1429	ALL	464863.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
1430	ALL	464883.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
1431	ALL	464903.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
1432	ALL	464923.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
1433	ALL	464943.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1434	ALL	464963.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
1435	ALL	464983.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1436	ALL	465003.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
1437	ALL	465023.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1438	ALL	465043.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1439	ALL	465063.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1440	ALL	465083.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1441	ALL	465103.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1442	ALL	465123.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1443	ALL	465143.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1444	ALL	465163.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1445	ALL	465183.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1446	ALL	465203.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1447	ALL	465223.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1448	ALL	465243.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04

1449	ALL	465263.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1450	ALL	465283.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1451	ALL	465303.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1452	ALL	465323.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1453	ALL	465343.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1454	ALL	465363.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1455	ALL	465383.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1456	ALL	464503.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
1457	ALL	464523.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04
1458	ALL	464543.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
1459	ALL	464723.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
1460	ALL	464743.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
1461	ALL	464763.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
1462	ALL	464783.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
1463	ALL	464803.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
1464	ALL	464823.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
1465	ALL	464843.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
1466	ALL	464863.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
1467	ALL	464883.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
1468	ALL	464903.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
1469	ALL	464923.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
1470	ALL	464943.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
1471	ALL	464963.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1472	ALL	464983.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1473	ALL	465003.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1474	ALL	465023.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1475	ALL	465043.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
1476	ALL	465063.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1477	ALL	465083.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1478	ALL	465103.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1479	ALL	465123.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1480	ALL	465143.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1481	ALL	465163.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1482	ALL	465183.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1483	ALL	465203.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1484	ALL	465223.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1485	ALL	465243.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1486	ALL	465263.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1487	ALL	465283.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1488	ALL	465303.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1489	ALL	465323.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1490	ALL	465343.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1491	ALL	465363.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1492	ALL	465383.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1493	ALL	464723.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
1494	ALL	464743.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
1495	ALL	464763.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
1496	ALL	464783.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
1497	ALL	464803.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
1498	ALL	464823.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04

1499	ALL	464843.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
1500	ALL	464863.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
1501	ALL	464883.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
1502	ALL	464903.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
1503	ALL	464923.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1504	ALL	464943.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
1505	ALL	464963.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
1506	ALL	464983.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
1507	ALL	465003.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
1508	ALL	465023.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1509	ALL	465043.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1510	ALL	465063.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1511	ALL	465083.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1512	ALL	465103.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1513	ALL	465123.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
1514	ALL	465143.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1515	ALL	465163.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1516	ALL	465183.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1517	ALL	465203.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1518	ALL	465223.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1519	ALL	465243.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1520	ALL	465263.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1521	ALL	465283.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1522	ALL	465303.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1523	ALL	465323.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1524	ALL	465343.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1525	ALL	465363.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1526	ALL	465383.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1527	ALL	464723.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
1528	ALL	464743.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
1529	ALL	464763.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
1530	ALL	464783.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
1531	ALL	464803.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
1532	ALL	464823.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
1533	ALL	464843.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
1534	ALL	464863.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
1535	ALL	464883.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
1536	ALL	464903.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
1537	ALL	464923.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
1538	ALL	464943.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
1539	ALL	464963.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
1540	ALL	464983.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1541	ALL	465003.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
1542	ALL	465023.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1543	ALL	465043.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
1544	ALL	465063.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1545	ALL	465083.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1546	ALL	465103.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1547	ALL	465123.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1548	ALL	465143.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04

1549	ALL	465163.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1550	ALL	465183.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1551	ALL	465203.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1552	ALL	465223.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1553	ALL	465243.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1554	ALL	465263.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1555	ALL	465283.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1556	ALL	465303.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1557	ALL	465323.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1558	ALL	465343.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1559	ALL	465363.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1560	ALL	465383.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1561	ALL	464723.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
1562	ALL	464743.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
1563	ALL	464763.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
1564	ALL	464783.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
1565	ALL	464803.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
1566	ALL	464823.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
1567	ALL	464843.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
1568	ALL	464863.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
1569	ALL	464883.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
1570	ALL	464903.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
1571	ALL	464923.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
1572	ALL	464943.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
1573	ALL	464963.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
1574	ALL	464983.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
1575	ALL	465003.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1576	ALL	465023.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1577	ALL	465043.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1578	ALL	465063.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1579	ALL	465083.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
1580	ALL	465103.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1581	ALL	465123.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1582	ALL	465143.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1583	ALL	465163.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1584	ALL	465183.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1585	ALL	465203.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1586	ALL	465223.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1587	ALL	465243.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1588	ALL	465263.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1589	ALL	465283.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1590	ALL	465303.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1591	ALL	465323.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1592	ALL	465343.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1593	ALL	465363.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1594	ALL	465383.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1595	ALL	465403.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1596	ALL	465423.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1597	ALL	465443.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1598	ALL	465463.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04

1599	ALL	465483.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1600	ALL	465503.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1601	ALL	465523.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05
1602	ALL	465543.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05
1603	ALL	465563.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05
1604	ALL	465583.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05
1605	ALL	465603.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05
1606	ALL	465623.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05
1607	ALL	465643.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
1608	ALL	465663.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05
1609	ALL	465683.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05
1610	ALL	465703.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05
1611	ALL	464723.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
1612	ALL	464743.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
1613	ALL	464763.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
1614	ALL	464783.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
1615	ALL	464803.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
1616	ALL	464823.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
1617	ALL	464843.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
1618	ALL	464863.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
1619	ALL	464883.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
1620	ALL	464903.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
1621	ALL	464923.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
1622	ALL	464943.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
1623	ALL	464963.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1624	ALL	464983.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
1625	ALL	465003.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
1626	ALL	465023.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
1627	ALL	465043.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1628	ALL	465063.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1629	ALL	465083.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1630	ALL	465103.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1631	ALL	465123.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1632	ALL	465143.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1633	ALL	465163.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
1634	ALL	465183.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1635	ALL	465203.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1636	ALL	465223.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1637	ALL	465243.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1638	ALL	465263.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1639	ALL	465283.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1640	ALL	465303.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1641	ALL	465323.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1642	ALL	465343.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1643	ALL	465363.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1644	ALL	465383.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1645	ALL	465403.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1646	ALL	465423.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1647	ALL	465443.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1648	ALL	465463.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04

1649	ALL	465483.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1650	ALL	465503.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1651	ALL	465523.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05
1652	ALL	465543.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05
1653	ALL	465563.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05
1654	ALL	465583.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05
1655	ALL	465603.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05
1656	ALL	465623.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05
1657	ALL	465643.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05
1658	ALL	465663.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05
1659	ALL	465683.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05
1660	ALL	465703.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05
1661	ALL	464743.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
1662	ALL	464763.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
1663	ALL	464783.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
1664	ALL	464803.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
1665	ALL	464823.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
1666	ALL	464843.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
1667	ALL	464863.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
1668	ALL	464883.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
1669	ALL	464903.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
1670	ALL	464923.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
1671	ALL	464943.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
1672	ALL	464963.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
1673	ALL	464983.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
1674	ALL	465003.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
1675	ALL	465023.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
1676	ALL	465043.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
1677	ALL	465063.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1678	ALL	465083.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
1679	ALL	465103.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1680	ALL	465123.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1681	ALL	465143.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1682	ALL	465163.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1683	ALL	465183.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1684	ALL	465203.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1685	ALL	465223.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1686	ALL	465243.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1687	ALL	465263.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1688	ALL	465283.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1689	ALL	465303.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1690	ALL	465323.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1691	ALL	465343.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1692	ALL	465363.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1693	ALL	465383.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1694	ALL	465403.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1695	ALL	465423.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1696	ALL	465443.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1697	ALL	465463.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1698	ALL	465483.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04

1699	ALL	465503.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1700	ALL	465523.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1701	ALL	465543.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05
1702	ALL	465563.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05
1703	ALL	465583.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05
1704	ALL	465603.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05
1705	ALL	465623.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05
1706	ALL	465643.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05
1707	ALL	465663.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05
1708	ALL	465683.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05
1709	ALL	465703.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05
1710	ALL	464763.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
1711	ALL	464783.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
1712	ALL	464803.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
1713	ALL	464823.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
1714	ALL	464843.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
1715	ALL	464863.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
1716	ALL	464883.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
1717	ALL	464903.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
1718	ALL	464923.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
1719	ALL	464943.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
1720	ALL	464963.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
1721	ALL	464983.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
1722	ALL	465003.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
1723	ALL	465023.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
1724	ALL	465043.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1725	ALL	465063.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1726	ALL	465083.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1727	ALL	465103.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1728	ALL	465123.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1729	ALL	465143.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1730	ALL	465163.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1731	ALL	465183.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1732	ALL	465203.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1733	ALL	465223.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1734	ALL	465243.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1735	ALL	465263.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1736	ALL	465283.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1737	ALL	465303.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1738	ALL	465323.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1739	ALL	465343.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1740	ALL	465363.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1741	ALL	465383.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1742	ALL	465403.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1743	ALL	465423.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1744	ALL	465443.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1745	ALL	465463.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1746	ALL	465483.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1747	ALL	465503.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1748	ALL	465523.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04

1749	ALL	465543.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1750	ALL	465563.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05
1751	ALL	465583.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
1752	ALL	465603.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05
1753	ALL	465623.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05
1754	ALL	465643.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05
1755	ALL	465663.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05
1756	ALL	465683.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05
1757	ALL	465703.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05
1758	ALL	464763.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
1759	ALL	464783.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
1760	ALL	464803.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
1761	ALL	464823.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
1762	ALL	464843.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
1763	ALL	464863.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
1764	ALL	464883.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
1765	ALL	464903.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
1766	ALL	464923.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
1767	ALL	464943.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
1768	ALL	464963.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
1769	ALL	464983.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
1770	ALL	465003.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
1771	ALL	465023.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
1772	ALL	465043.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
1773	ALL	465063.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
1774	ALL	465083.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1775	ALL	465103.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1776	ALL	465123.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1777	ALL	465143.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
1778	ALL	465163.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
1779	ALL	465183.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1780	ALL	465203.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
1781	ALL	465223.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1782	ALL	465243.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1783	ALL	465263.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1784	ALL	465283.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1785	ALL	465303.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1786	ALL	465323.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1787	ALL	465343.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1788	ALL	465363.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1789	ALL	465383.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1790	ALL	465403.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1791	ALL	465423.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1792	ALL	465443.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1793	ALL	465463.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1794	ALL	465483.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1795	ALL	465503.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1796	ALL	465523.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1797	ALL	465543.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1798	ALL	465563.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04

1799	ALL	465583.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05
1800	ALL	465603.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05
1801	ALL	465623.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05
1802	ALL	465643.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05
1803	ALL	465663.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05
1804	ALL	465683.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05
1805	ALL	465703.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05
1806	ALL	464783.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
1807	ALL	464803.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
1808	ALL	464823.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
1809	ALL	464843.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
1810	ALL	464863.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
1811	ALL	464883.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
1812	ALL	464903.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
1813	ALL	464923.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
1814	ALL	464943.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
1815	ALL	464963.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
1816	ALL	464983.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
1817	ALL	465003.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
1818	ALL	465023.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
1819	ALL	465043.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
1820	ALL	465063.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
1821	ALL	465083.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
1822	ALL	465103.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
1823	ALL	465123.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
1824	ALL	465143.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1825	ALL	465163.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1826	ALL	465183.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1827	ALL	465203.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1828	ALL	465223.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
1829	ALL	465243.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1830	ALL	465263.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1831	ALL	465283.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1832	ALL	465303.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1833	ALL	465323.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1834	ALL	465343.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1835	ALL	465363.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1836	ALL	465383.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1837	ALL	465403.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1838	ALL	465423.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1839	ALL	465443.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1840	ALL	465463.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1841	ALL	465483.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1842	ALL	465503.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1843	ALL	465523.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1844	ALL	465543.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1845	ALL	465563.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1846	ALL	465583.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05
1847	ALL	465603.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05
1848	ALL	465623.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05

1849	ALL	465643.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05
1850	ALL	465663.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05
1851	ALL	465683.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05
1852	ALL	465703.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05
1853	ALL	464803.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
1854	ALL	464823.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
1855	ALL	464843.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
1856	ALL	464863.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
1857	ALL	464883.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
1858	ALL	464903.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
1859	ALL	464923.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
1860	ALL	464943.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
1861	ALL	464963.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
1862	ALL	464983.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
1863	ALL	465003.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
1864	ALL	465023.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
1865	ALL	465043.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
1866	ALL	465063.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
1867	ALL	465083.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1868	ALL	465103.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
1869	ALL	465123.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1870	ALL	465143.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
1871	ALL	465163.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1872	ALL	465183.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1873	ALL	465203.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1874	ALL	465223.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1875	ALL	465243.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1876	ALL	465263.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1877	ALL	465283.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1878	ALL	465303.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
1879	ALL	465323.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1880	ALL	465343.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1881	ALL	465363.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1882	ALL	465383.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1883	ALL	465403.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1884	ALL	465423.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1885	ALL	465443.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1886	ALL	465463.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1887	ALL	465483.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1888	ALL	465503.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1889	ALL	465523.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1890	ALL	465543.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1891	ALL	465563.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1892	ALL	465583.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1893	ALL	465603.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05
1894	ALL	465623.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05
1895	ALL	465643.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05
1896	ALL	465663.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05
1897	ALL	465683.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05
1898	ALL	465703.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05

1899	ALL	464823.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
1900	ALL	464843.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
1901	ALL	464863.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
1902	ALL	464883.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
1903	ALL	464903.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
1904	ALL	464923.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
1905	ALL	464943.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
1906	ALL	464963.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
1907	ALL	464983.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
1908	ALL	465003.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
1909	ALL	465023.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
1910	ALL	465043.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
1911	ALL	465063.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
1912	ALL	465083.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
1913	ALL	465103.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1914	ALL	465123.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1915	ALL	465143.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1916	ALL	465163.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1917	ALL	465183.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1918	ALL	465203.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1919	ALL	465223.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1920	ALL	465243.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1921	ALL	465263.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1922	ALL	465283.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1923	ALL	465303.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1924	ALL	465323.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1925	ALL	465343.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1926	ALL	465363.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1927	ALL	465383.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1928	ALL	465403.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1929	ALL	465423.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1930	ALL	465443.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1931	ALL	465463.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1932	ALL	465483.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1933	ALL	465503.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1934	ALL	465523.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1935	ALL	465543.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1936	ALL	465563.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1937	ALL	465583.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1938	ALL	465603.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1939	ALL	465623.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05
1940	ALL	465643.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05
1941	ALL	465663.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05
1942	ALL	465683.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05
1943	ALL	465703.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05
1944	ALL	464843.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
1945	ALL	464863.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
1946	ALL	464883.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
1947	ALL	464903.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
1948	ALL	464923.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04

1949	ALL	464943.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
1950	ALL	464963.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
1951	ALL	464983.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
1952	ALL	465003.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
1953	ALL	465023.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
1954	ALL	465043.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
1955	ALL	465063.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
1956	ALL	465083.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
1957	ALL	465103.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
1958	ALL	465123.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
1959	ALL	465143.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1960	ALL	465163.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1961	ALL	465183.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1962	ALL	465203.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
1963	ALL	465223.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
1964	ALL	465243.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1965	ALL	465263.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1966	ALL	465283.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1967	ALL	465303.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1968	ALL	465323.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1969	ALL	465343.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1970	ALL	465363.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1971	ALL	465383.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1972	ALL	465403.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1973	ALL	465423.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1974	ALL	465443.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1975	ALL	465463.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1976	ALL	465483.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1977	ALL	465503.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1978	ALL	465523.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1979	ALL	465543.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1980	ALL	465563.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1981	ALL	465583.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1982	ALL	465603.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1983	ALL	465623.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1984	ALL	465643.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-05
1985	ALL	465663.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05
1986	ALL	465683.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05
1987	ALL	465703.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05
1988	ALL	464863.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
1989	ALL	464883.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
1990	ALL	464903.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
1991	ALL	464923.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
1992	ALL	464943.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
1993	ALL	464963.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
1994	ALL	464983.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
1995	ALL	465003.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
1996	ALL	465023.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
1997	ALL	465043.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
1998	ALL	465063.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04

1999 ALL	465083.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
2000 ALL	465103.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
2001 ALL	465123.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
2002 ALL	465143.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
2003 ALL	465163.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
2004 ALL	465183.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
2005 ALL	465203.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
2006 ALL	465223.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
2007 ALL	465243.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2008 ALL	465263.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2009 ALL	465283.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
2010 ALL	465303.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2011 ALL	465323.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2012 ALL	465343.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2013 ALL	465363.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2014 ALL	465383.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2015 ALL	465403.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2016 ALL	465423.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2017 ALL	465443.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2018 ALL	465463.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2019 ALL	465483.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2020 ALL	465503.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2021 ALL	465523.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2022 ALL	465543.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2023 ALL	465563.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2024 ALL	465583.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2025 ALL	465603.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2026 ALL	465623.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2027 ALL	465643.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2028 ALL	465663.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05
2029 ALL	465683.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05
2030 ALL	465703.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05
2031 ALL	464883.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
2032 ALL	464903.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
2033 ALL	464923.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
2034 ALL	464943.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
2035 ALL	464963.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
2036 ALL	464983.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
2037 ALL	465003.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
2038 ALL	465023.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
2039 ALL	465043.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
2040 ALL	465063.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
2041 ALL	465083.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
2042 ALL	465103.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
2043 ALL	465123.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
2044 ALL	465143.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
2045 ALL	465163.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
2046 ALL	465183.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
2047 ALL	465203.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
2048 ALL	465223.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04

2049	ALL	465243.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
2050	ALL	465263.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2051	ALL	465283.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2052	ALL	465303.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
2053	ALL	465323.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2054	ALL	465343.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2055	ALL	465363.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2056	ALL	465383.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2057	ALL	465403.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2058	ALL	465423.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2059	ALL	465443.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2060	ALL	465463.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2061	ALL	465483.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2062	ALL	465503.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2063	ALL	465523.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2064	ALL	465543.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2065	ALL	465563.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2066	ALL	465583.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2067	ALL	465603.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2068	ALL	465623.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2069	ALL	465643.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2070	ALL	465663.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2071	ALL	465683.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05
2072	ALL	465703.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
2073	ALL	464883.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
2074	ALL	464903.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
2075	ALL	464923.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
2076	ALL	464943.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
2077	ALL	464963.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
2078	ALL	464983.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
2079	ALL	465003.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
2080	ALL	465023.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
2081	ALL	465043.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
2082	ALL	465063.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
2083	ALL	465083.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
2084	ALL	465103.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
2085	ALL	465123.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
2086	ALL	465143.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
2087	ALL	465163.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
2088	ALL	465183.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
2089	ALL	465203.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
2090	ALL	465223.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
2091	ALL	465243.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
2092	ALL	465263.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
2093	ALL	465283.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2094	ALL	465303.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2095	ALL	465323.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2096	ALL	465343.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2097	ALL	465363.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2098	ALL	465383.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04

2099	ALL	465403.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2100	ALL	465423.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2101	ALL	465443.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2102	ALL	465463.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2103	ALL	465483.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2104	ALL	465503.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2105	ALL	465523.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2106	ALL	465543.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2107	ALL	465563.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2108	ALL	465583.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2109	ALL	465603.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2110	ALL	465623.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2111	ALL	465643.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2112	ALL	465663.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2113	ALL	465683.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2114	ALL	465703.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05
2115	ALL	464903.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
2116	ALL	464923.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
2117	ALL	464943.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
2118	ALL	464963.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
2119	ALL	464983.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
2120	ALL	465003.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
2121	ALL	465023.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
2122	ALL	465043.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
2123	ALL	465063.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
2124	ALL	465083.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
2125	ALL	465103.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
2126	ALL	465123.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
2127	ALL	465143.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
2128	ALL	465163.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
2129	ALL	465183.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
2130	ALL	465203.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
2131	ALL	465223.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
2132	ALL	465243.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
2133	ALL	465263.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
2134	ALL	465283.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
2135	ALL	465303.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
2136	ALL	465323.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2137	ALL	465343.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2138	ALL	465363.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2139	ALL	465383.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2140	ALL	465403.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2141	ALL	465423.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2142	ALL	465443.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2143	ALL	465463.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2144	ALL	465483.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2145	ALL	465503.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2146	ALL	465523.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2147	ALL	465543.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2148	ALL	465563.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04

2149	ALL	465583.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2150	ALL	465603.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2151	ALL	465623.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2152	ALL	465643.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2153	ALL	465663.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2154	ALL	465683.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2155	ALL	465703.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2156	ALL	464923.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
2157	ALL	464943.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
2158	ALL	464963.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
2159	ALL	464983.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
2160	ALL	465003.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
2161	ALL	465023.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
2162	ALL	465043.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
2163	ALL	465063.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
2164	ALL	465083.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
2165	ALL	465103.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
2166	ALL	465123.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
2167	ALL	465143.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
2168	ALL	465163.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
2169	ALL	465183.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
2170	ALL	465203.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
2171	ALL	465223.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
2172	ALL	465243.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
2173	ALL	465263.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
2174	ALL	465283.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
2175	ALL	465303.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2176	ALL	465323.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
2177	ALL	465343.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2178	ALL	465363.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2179	ALL	465383.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2180	ALL	465403.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2181	ALL	465423.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2182	ALL	465443.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2183	ALL	465463.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2184	ALL	465483.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2185	ALL	465503.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2186	ALL	465523.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2187	ALL	465543.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2188	ALL	465563.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2189	ALL	465583.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2190	ALL	465603.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2191	ALL	465623.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2192	ALL	465643.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2193	ALL	465663.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2194	ALL	465683.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2195	ALL	465703.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2196	ALL	464943.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
2197	ALL	464963.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
2198	ALL	464983.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04

2199	ALL	465003.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
2200	ALL	465023.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
2201	ALL	465043.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
2202	ALL	465063.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
2203	ALL	465083.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
2204	ALL	465103.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
2205	ALL	465123.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
2206	ALL	465143.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
2207	ALL	465163.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
2208	ALL	465183.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
2209	ALL	465203.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
2210	ALL	465223.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
2211	ALL	465243.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
2212	ALL	465263.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
2213	ALL	465283.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
2214	ALL	465303.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
2215	ALL	465323.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2216	ALL	465343.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2217	ALL	465363.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
2218	ALL	465383.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2219	ALL	465403.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2220	ALL	465423.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2221	ALL	465443.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2222	ALL	465463.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2223	ALL	465483.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2224	ALL	465503.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2225	ALL	465523.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2226	ALL	465543.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2227	ALL	465563.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2228	ALL	465583.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2229	ALL	465603.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2230	ALL	465623.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2231	ALL	465643.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2232	ALL	465663.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2233	ALL	465683.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2234	ALL	465703.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2235	ALL	464963.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
2236	ALL	464983.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
2237	ALL	465003.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
2238	ALL	465023.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
2239	ALL	465043.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
2240	ALL	465063.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
2241	ALL	465083.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
2242	ALL	465103.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
2243	ALL	465123.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
2244	ALL	465143.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
2245	ALL	465163.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
2246	ALL	465183.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
2247	ALL	465203.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
2248	ALL	465223.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04

2249	ALL	465243.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
2250	ALL	465263.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
2251	ALL	465283.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
2252	ALL	465303.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
2253	ALL	465323.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
2254	ALL	465343.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2255	ALL	465363.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2256	ALL	465383.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
2257	ALL	465403.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2258	ALL	465423.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2259	ALL	465443.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2260	ALL	465463.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2261	ALL	465483.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2262	ALL	465503.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2263	ALL	465523.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2264	ALL	465543.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2265	ALL	465563.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2266	ALL	465583.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2267	ALL	465603.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2268	ALL	465623.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2269	ALL	465643.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2270	ALL	465663.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2271	ALL	465683.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2272	ALL	465703.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2273	ALL	464983.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
2274	ALL	465003.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
2275	ALL	465023.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
2276	ALL	465043.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
2277	ALL	465063.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
2278	ALL	465083.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
2279	ALL	465103.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
2280	ALL	465123.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
2281	ALL	465143.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
2282	ALL	465163.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
2283	ALL	465183.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
2284	ALL	465203.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
2285	ALL	465223.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
2286	ALL	465243.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
2287	ALL	465263.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
2288	ALL	465283.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
2289	ALL	465303.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
2290	ALL	465323.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
2291	ALL	465343.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
2292	ALL	465363.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2293	ALL	465383.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2294	ALL	465403.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
2295	ALL	465423.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2296	ALL	465443.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2297	ALL	465463.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2298	ALL	465483.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04

2299	ALL	465503.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2300	ALL	465523.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2301	ALL	465543.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2302	ALL	465563.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2303	ALL	465583.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2304	ALL	465603.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2305	ALL	465623.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2306	ALL	465643.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2307	ALL	465663.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2308	ALL	465683.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2309	ALL	465703.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
2310	ALL	465003.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
2311	ALL	465023.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
2312	ALL	465043.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
2313	ALL	465063.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
2314	ALL	465083.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
2315	ALL	465103.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
2316	ALL	465123.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
2317	ALL	465143.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
2318	ALL	465163.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
2319	ALL	465183.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
2320	ALL	465203.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
2321	ALL	465223.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
2322	ALL	465243.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
2323	ALL	465263.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
2324	ALL	465283.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
2325	ALL	465303.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
2326	ALL	465323.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
2327	ALL	465343.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
2328	ALL	465363.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
2329	ALL	465383.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2330	ALL	465403.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2331	ALL	465423.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2332	ALL	465443.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2333	ALL	465463.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2334	ALL	465483.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2335	ALL	465503.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2336	ALL	465523.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2337	ALL	465543.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2338	ALL	465563.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2339	ALL	465583.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2340	ALL	465603.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2341	ALL	465623.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2342	ALL	465643.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2343	ALL	465663.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2344	ALL	465683.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2345	ALL	465703.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2346	ALL	465003.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
2347	ALL	465023.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
2348	ALL	465043.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04

2349	ALL	465063.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
2350	ALL	465083.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
2351	ALL	465103.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
2352	ALL	465123.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
2353	ALL	465143.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
2354	ALL	465163.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
2355	ALL	465183.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
2356	ALL	465203.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
2357	ALL	465223.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
2358	ALL	465243.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
2359	ALL	465263.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
2360	ALL	465283.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
2361	ALL	465303.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
2362	ALL	465323.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
2363	ALL	465343.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
2364	ALL	465363.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
2365	ALL	465383.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
2366	ALL	465403.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
2367	ALL	465423.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2368	ALL	465443.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2369	ALL	465463.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2370	ALL	465483.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2371	ALL	465503.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2372	ALL	465523.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2373	ALL	465543.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2374	ALL	465563.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2375	ALL	465583.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2376	ALL	465603.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2377	ALL	465623.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2378	ALL	465643.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2379	ALL	465663.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2380	ALL	465683.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2381	ALL	465703.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2382	ALL	465043.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
2383	ALL	465063.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
2384	ALL	465083.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
2385	ALL	465103.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
2386	ALL	465123.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
2387	ALL	465143.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
2388	ALL	465163.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
2389	ALL	465183.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
2390	ALL	465203.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
2391	ALL	465223.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
2392	ALL	465243.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
2393	ALL	465263.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
2394	ALL	465283.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
2395	ALL	465303.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
2396	ALL	465323.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
2397	ALL	465343.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
2398	ALL	465363.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04

2399 ALL	465383.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
2400 ALL	465403.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2401 ALL	465423.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2402 ALL	465443.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
2403 ALL	465463.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2404 ALL	465483.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2405 ALL	465503.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2406 ALL	465523.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2407 ALL	465543.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2408 ALL	465563.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2409 ALL	465583.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2410 ALL	465603.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2411 ALL	465623.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2412 ALL	465643.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2413 ALL	465663.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2414 ALL	465683.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
2415 ALL	465703.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2416 ALL	465083.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
2417 ALL	465103.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
2418 ALL	465123.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
2419 ALL	465143.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
2420 ALL	465163.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
2421 ALL	465183.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
2422 ALL	465203.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
2423 ALL	465223.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
2424 ALL	465243.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
2425 ALL	465263.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
2426 ALL	465283.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
2427 ALL	465303.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
2428 ALL	465323.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
2429 ALL	465343.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
2430 ALL	465363.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
2431 ALL	465383.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
2432 ALL	465403.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
2433 ALL	465423.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2434 ALL	465443.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2435 ALL	465463.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
2436 ALL	465483.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2437 ALL	465503.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2438 ALL	465523.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2439 ALL	465543.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2440 ALL	465563.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2441 ALL	465583.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2442 ALL	465603.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2443 ALL	465623.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2444 ALL	465643.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2445 ALL	465663.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2446 ALL	465683.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2447 ALL	465703.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2448 ALL	465103.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04

2449	ALL	465123.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
2450	ALL	465143.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
2451	ALL	465163.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
2452	ALL	465183.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
2453	ALL	465203.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
2454	ALL	465223.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
2455	ALL	465243.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
2456	ALL	465263.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
2457	ALL	465283.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
2458	ALL	465303.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
2459	ALL	465323.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
2460	ALL	465343.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
2461	ALL	465363.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
2462	ALL	465383.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
2463	ALL	465403.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
2464	ALL	465423.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
2465	ALL	465443.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2466	ALL	465463.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2467	ALL	465483.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
2468	ALL	465503.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2469	ALL	465523.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2470	ALL	465543.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2471	ALL	465563.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2472	ALL	465583.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2473	ALL	465603.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2474	ALL	465623.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2475	ALL	465643.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2476	ALL	465663.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2477	ALL	465683.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2478	ALL	465703.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
2479	ALL	465183.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
2480	ALL	465203.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
2481	ALL	465223.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
2482	ALL	465243.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
2483	ALL	465263.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
2484	ALL	465283.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
2485	ALL	465303.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
2486	ALL	465323.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
2487	ALL	465343.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
2488	ALL	465363.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
2489	ALL	465383.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
2490	ALL	465403.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
2491	ALL	465423.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
2492	ALL	465443.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2493	ALL	465463.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
2494	ALL	465483.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2495	ALL	465503.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2496	ALL	465523.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2497	ALL	465543.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2498	ALL	465563.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04

2499	ALL	465583.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2500	ALL	465603.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2501	ALL	465623.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2502	ALL	465643.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2503	ALL	465663.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2504	ALL	465683.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2505	ALL	465703.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2506	ALL	465303.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
2507	ALL	465323.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
2508	ALL	465343.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
2509	ALL	465363.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
2510	ALL	465383.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
2511	ALL	465403.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
2512	ALL	465423.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
2513	ALL	465443.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
2514	ALL	465463.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2515	ALL	465483.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2516	ALL	465503.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
2517	ALL	465523.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2518	ALL	465543.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2519	ALL	465563.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2520	ALL	465583.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2521	ALL	465603.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2522	ALL	465623.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2523	ALL	465643.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2524	ALL	465663.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2525	ALL	465683.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2526	ALL	465703.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2527	ALL	465323.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
2528	ALL	465343.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
2529	ALL	465363.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
2530	ALL	465383.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
2531	ALL	465403.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
2532	ALL	465423.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
2533	ALL	465443.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
2534	ALL	465463.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
2535	ALL	465483.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2536	ALL	465503.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2537	ALL	465523.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2538	ALL	465543.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2539	ALL	465563.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2540	ALL	465583.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2541	ALL	465603.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2542	ALL	465623.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2543	ALL	465643.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2544	ALL	465663.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2545	ALL	465683.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2546	ALL	465703.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2547	ALL	465323.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
2548	ALL	465343.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04

2549	ALL	465363.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
2550	ALL	465383.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
2551	ALL	465403.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
2552	ALL	465423.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
2553	ALL	465443.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
2554	ALL	465463.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
2555	ALL	465483.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2556	ALL	465503.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2557	ALL	465523.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
2558	ALL	465543.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2559	ALL	465563.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2560	ALL	465583.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2561	ALL	465603.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2562	ALL	465623.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2563	ALL	465643.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2564	ALL	465663.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2565	ALL	465683.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2566	ALL	465703.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2567	ALL	465343.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
2568	ALL	465363.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
2569	ALL	465383.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
2570	ALL	465403.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
2571	ALL	465423.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
2572	ALL	465443.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
2573	ALL	465463.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
2574	ALL	465483.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
2575	ALL	465503.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2576	ALL	465523.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2577	ALL	465543.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
2578	ALL	465563.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2579	ALL	465583.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2580	ALL	465603.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2581	ALL	465623.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2582	ALL	465643.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2583	ALL	465663.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2584	ALL	465683.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2585	ALL	465703.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2586	ALL	465343.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
2587	ALL	465363.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
2588	ALL	465383.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
2589	ALL	465403.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
2590	ALL	465423.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
2591	ALL	465443.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
2592	ALL	465463.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
2593	ALL	465483.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
2594	ALL	465503.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2595	ALL	465523.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
2596	ALL	465543.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2597	ALL	465563.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2598	ALL	465583.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04

2599	ALL	465603.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2600	ALL	465623.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2601	ALL	465643.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2602	ALL	465663.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2603	ALL	465683.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2604	ALL	465703.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2605	ALL	465463.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
2606	ALL	465483.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
2607	ALL	465503.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
2608	ALL	465523.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
2609	ALL	465543.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2610	ALL	465563.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
2611	ALL	465583.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2612	ALL	465603.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2613	ALL	465623.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
2614	ALL	465643.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2615	ALL	465663.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2616	ALL	465683.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2617	ALL	465703.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
2618	ALL	465523.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2619	ALL	465543.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2620	ALL	465563.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2621	ALL	465583.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2622	ALL	465603.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2623	ALL	465623.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2624	ALL	465643.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
2625	ALL	465663.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2626	ALL	465683.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2627	ALL	465703.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2628	ALL	463745.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04
2629	ALL	463783.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04
2630	ALL	463821.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04
2631	ALL	463859.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04
2632	ALL	463897.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04
2633	ALL	463935.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04
2634	ALL	463973.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04
2635	ALL	464011.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04
2636	ALL	464049.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04
2637	ALL	464087.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04
2638	ALL	464125.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04
2639	ALL	464163.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04
2640	ALL	464201.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
2641	ALL	464239.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
2642	ALL	464277.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04
2643	ALL	464315.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04
2644	ALL	464353.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04
2645	ALL	464391.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
2646	ALL	464429.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04
2647	ALL	464467.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04
2648	ALL	464505.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04

2649	ALL	463745.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04
2650	ALL	463783.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04
2651	ALL	463821.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04
2652	ALL	463859.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04
2653	ALL	463897.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04
2654	ALL	463935.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04
2655	ALL	463973.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04
2656	ALL	464011.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
2657	ALL	464049.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04
2658	ALL	464087.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04
2659	ALL	464125.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
2660	ALL	464163.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
2661	ALL	464201.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04
2662	ALL	464239.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04
2663	ALL	464277.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04
2664	ALL	464315.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
2665	ALL	464353.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04
2666	ALL	464391.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
2667	ALL	464429.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
2668	ALL	464467.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
2669	ALL	464505.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
2670	ALL	463745.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
2671	ALL	463783.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
2672	ALL	463821.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04
2673	ALL	463859.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
2674	ALL	463897.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
2675	ALL	463935.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04
2676	ALL	463973.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
2677	ALL	464011.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04
2678	ALL	464049.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04
2679	ALL	464087.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04
2680	ALL	464125.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04
2681	ALL	464163.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04
2682	ALL	464201.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04
2683	ALL	464239.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
2684	ALL	464277.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
2685	ALL	464315.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
2686	ALL	464353.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04
2687	ALL	464391.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
2688	ALL	464429.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
2689	ALL	464467.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
2690	ALL	464505.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
2691	ALL	463745.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
2692	ALL	463783.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04
2693	ALL	463821.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04
2694	ALL	463859.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
2695	ALL	463897.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04
2696	ALL	463935.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
2697	ALL	463973.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04
2698	ALL	464011.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04

2699	ALL	464049.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
2700	ALL	464087.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
2701	ALL	464125.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04
2702	ALL	464163.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
2703	ALL	464201.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04
2704	ALL	464239.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
2705	ALL	464277.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
2706	ALL	464315.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
2707	ALL	464353.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
2708	ALL	464391.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
2709	ALL	464429.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
2710	ALL	464467.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
2711	ALL	464505.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
2712	ALL	463745.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04
2713	ALL	463783.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
2714	ALL	463821.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
2715	ALL	463859.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
2716	ALL	463897.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
2717	ALL	463935.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
2718	ALL	463973.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04
2719	ALL	464011.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
2720	ALL	464049.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
2721	ALL	464087.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04
2722	ALL	464125.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04
2723	ALL	464163.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
2724	ALL	464201.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
2725	ALL	464239.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
2726	ALL	464277.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
2727	ALL	464315.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04
2728	ALL	464353.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
2729	ALL	464391.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
2730	ALL	464429.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
2731	ALL	464467.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
2732	ALL	464505.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
2733	ALL	463745.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
2734	ALL	463783.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04
2735	ALL	463821.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04
2736	ALL	463859.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
2737	ALL	463897.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
2738	ALL	463935.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04
2739	ALL	463973.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04
2740	ALL	464011.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04
2741	ALL	464049.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
2742	ALL	464087.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
2743	ALL	464125.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
2744	ALL	464163.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04
2745	ALL	464201.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04
2746	ALL	464239.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
2747	ALL	464277.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04
2748	ALL	464315.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04

2749	ALL	464353.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
2750	ALL	464391.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
2751	ALL	464429.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
2752	ALL	464467.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
2753	ALL	464505.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
2754	ALL	463745.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
2755	ALL	463783.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
2756	ALL	463821.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
2757	ALL	463859.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04
2758	ALL	463897.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
2759	ALL	463935.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04
2760	ALL	463973.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
2761	ALL	464011.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
2762	ALL	464049.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
2763	ALL	464087.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04
2764	ALL	464125.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04
2765	ALL	464163.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04
2766	ALL	464201.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
2767	ALL	464239.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
2768	ALL	464277.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04
2769	ALL	464315.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
2770	ALL	464353.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
2771	ALL	464391.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
2772	ALL	464429.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
2773	ALL	464467.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
2774	ALL	464505.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
2775	ALL	463745.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04
2776	ALL	463783.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04
2777	ALL	463821.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04
2778	ALL	463859.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04
2779	ALL	463897.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
2780	ALL	463935.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
2781	ALL	463973.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04
2782	ALL	464011.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04
2783	ALL	464049.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
2784	ALL	464087.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
2785	ALL	464125.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04
2786	ALL	464163.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
2787	ALL	464201.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
2788	ALL	464239.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
2789	ALL	464277.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
2790	ALL	464315.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
2791	ALL	464353.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
2792	ALL	464391.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
2793	ALL	464429.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
2794	ALL	464467.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
2795	ALL	464505.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
2796	ALL	463745.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04
2797	ALL	463783.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04
2798	ALL	463821.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04

2799	ALL	463859.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
2800	ALL	463897.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
2801	ALL	463935.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04
2802	ALL	463973.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04
2803	ALL	464011.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
2804	ALL	464049.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
2805	ALL	464087.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04
2806	ALL	464125.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04
2807	ALL	464163.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
2808	ALL	464201.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
2809	ALL	464239.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
2810	ALL	464277.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
2811	ALL	464315.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
2812	ALL	464353.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
2813	ALL	464391.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
2814	ALL	464429.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
2815	ALL	464467.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
2816	ALL	464505.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
2817	ALL	463745.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
2818	ALL	463783.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
2819	ALL	463821.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
2820	ALL	463859.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
2821	ALL	463897.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
2822	ALL	463935.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
2823	ALL	463973.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
2824	ALL	464011.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
2825	ALL	464049.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
2826	ALL	464087.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
2827	ALL	464125.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04
2828	ALL	464163.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
2829	ALL	464201.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
2830	ALL	464239.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
2831	ALL	464277.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
2832	ALL	464315.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
2833	ALL	464353.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
2834	ALL	464391.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
2835	ALL	464429.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
2836	ALL	464467.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
2837	ALL	464505.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
2838	ALL	463745.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
2839	ALL	463783.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
2840	ALL	463821.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
2841	ALL	463859.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
2842	ALL	463897.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
2843	ALL	463935.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04
2844	ALL	463973.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
2845	ALL	464011.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04
2846	ALL	464049.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
2847	ALL	464087.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04
2848	ALL	464125.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04

2849	ALL	464163.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
2850	ALL	464201.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
2851	ALL	464239.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
2852	ALL	464277.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
2853	ALL	464315.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
2854	ALL	464353.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
2855	ALL	464391.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
2856	ALL	464429.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
2857	ALL	464467.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
2858	ALL	464505.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
2859	ALL	463745.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04
2860	ALL	463783.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
2861	ALL	463821.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
2862	ALL	463859.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
2863	ALL	463897.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
2864	ALL	463935.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04
2865	ALL	463973.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
2866	ALL	464011.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
2867	ALL	464049.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
2868	ALL	464087.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
2869	ALL	464125.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
2870	ALL	464163.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
2871	ALL	464201.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
2872	ALL	464239.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
2873	ALL	464277.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
2874	ALL	464315.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
2875	ALL	464353.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
2876	ALL	464391.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
2877	ALL	464429.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
2878	ALL	464467.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
2879	ALL	464505.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
2880	ALL	463745.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
2881	ALL	463783.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
2882	ALL	463821.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04
2883	ALL	463859.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
2884	ALL	463897.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
2885	ALL	463935.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
2886	ALL	463973.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
2887	ALL	464011.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
2888	ALL	464049.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
2889	ALL	464087.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
2890	ALL	464125.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
2891	ALL	464163.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
2892	ALL	464201.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
2893	ALL	464239.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
2894	ALL	464277.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
2895	ALL	464315.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
2896	ALL	464353.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
2897	ALL	464391.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
2898	ALL	464429.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04

2899 ALL	464467.3	3809911 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
2900 ALL	464505.3	3809911 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
2901 ALL	463745.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
2902 ALL	463783.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
2903 ALL	463821.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04
2904 ALL	463859.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
2905 ALL	463897.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
2906 ALL	463935.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
2907 ALL	463973.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
2908 ALL	464011.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
2909 ALL	464049.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
2910 ALL	464087.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
2911 ALL	464125.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
2912 ALL	464163.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
2913 ALL	464201.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
2914 ALL	464239.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
2915 ALL	464277.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
2916 ALL	464315.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
2917 ALL	464353.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
2918 ALL	464391.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
2919 ALL	464429.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
2920 ALL	464467.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
2921 ALL	464505.3	3809940 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
2922 ALL	463745.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
2923 ALL	463783.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
2924 ALL	463821.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
2925 ALL	463859.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
2926 ALL	463897.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
2927 ALL	463935.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
2928 ALL	463973.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
2929 ALL	464011.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
2930 ALL	464049.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
2931 ALL	464087.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
2932 ALL	464125.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
2933 ALL	464163.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
2934 ALL	464201.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
2935 ALL	464239.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
2936 ALL	464277.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
2937 ALL	464315.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
2938 ALL	464353.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
2939 ALL	464391.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
2940 ALL	464429.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
2941 ALL	464467.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
2942 ALL	464505.3	3809969 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
2943 ALL	463745.3	3809998 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
2944 ALL	463783.3	3809998 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
2945 ALL	463821.3	3809998 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
2946 ALL	463859.3	3809998 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
2947 ALL	463897.3	3809998 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
2948 ALL	463935.3	3809998 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04

2949	ALL	463973.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
2950	ALL	464011.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
2951	ALL	464049.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
2952	ALL	464087.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
2953	ALL	464125.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
2954	ALL	464163.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
2955	ALL	464201.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
2956	ALL	464239.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
2957	ALL	464277.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
2958	ALL	464315.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
2959	ALL	464353.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
2960	ALL	464391.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
2961	ALL	464429.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
2962	ALL	464467.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
2963	ALL	464505.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
2964	ALL	463745.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
2965	ALL	463783.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
2966	ALL	463821.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
2967	ALL	463859.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
2968	ALL	463897.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
2969	ALL	463935.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
2970	ALL	463973.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
2971	ALL	464011.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
2972	ALL	464049.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
2973	ALL	464087.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
2974	ALL	464125.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
2975	ALL	464163.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
2976	ALL	464201.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
2977	ALL	464239.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
2978	ALL	464277.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
2979	ALL	464315.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
2980	ALL	464353.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
2981	ALL	464391.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
2982	ALL	464429.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
2983	ALL	464467.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
2984	ALL	464505.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
2985	ALL	463745.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
2986	ALL	463783.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
2987	ALL	463821.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
2988	ALL	463859.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
2989	ALL	463897.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
2990	ALL	463935.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
2991	ALL	463973.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
2992	ALL	464011.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
2993	ALL	464049.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
2994	ALL	464087.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
2995	ALL	464125.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
2996	ALL	464163.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
2997	ALL	464201.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
2998	ALL	464239.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04

2999	ALL	464277.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
3000	ALL	464315.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
3001	ALL	464353.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
3002	ALL	464391.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
3003	ALL	464429.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
3004	ALL	464467.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
3005	ALL	464505.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
3006	ALL	463745.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
3007	ALL	463783.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
3008	ALL	463821.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
3009	ALL	463859.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
3010	ALL	463897.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
3011	ALL	463935.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
3012	ALL	463973.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
3013	ALL	464011.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
3014	ALL	464049.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
3015	ALL	464087.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
3016	ALL	464125.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
3017	ALL	464163.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
3018	ALL	464201.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
3019	ALL	464239.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
3020	ALL	464277.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
3021	ALL	464315.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
3022	ALL	464353.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
3023	ALL	464391.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
3024	ALL	464429.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
3025	ALL	464467.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
3026	ALL	464505.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
3027	ALL	463745.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
3028	ALL	463783.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
3029	ALL	463821.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
3030	ALL	463859.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
3031	ALL	463897.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
3032	ALL	463935.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
3033	ALL	463973.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
3034	ALL	464011.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
3035	ALL	464049.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
3036	ALL	464087.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
3037	ALL	464125.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
3038	ALL	464163.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
3039	ALL	464201.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
3040	ALL	464239.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
3041	ALL	464277.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
3042	ALL	464315.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
3043	ALL	464353.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
3044	ALL	464391.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
3045	ALL	464429.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
3046	ALL	464467.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
3047	ALL	464505.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
3048	ALL	463745.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04

3049	ALL	463783.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
3050	ALL	463821.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
3051	ALL	463859.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
3052	ALL	463897.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
3053	ALL	463935.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
3054	ALL	463973.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
3055	ALL	464011.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
3056	ALL	464049.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
3057	ALL	464087.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
3058	ALL	464125.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
3059	ALL	464163.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
3060	ALL	464201.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
3061	ALL	464239.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
3062	ALL	464277.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
3063	ALL	464315.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
3064	ALL	464353.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
3065	ALL	464391.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
3066	ALL	464429.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
3067	ALL	464467.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
3068	ALL	464505.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
3069	ALL	464383.8	3807479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
3070	ALL	464355	3807405	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
3071	ALL	464402.1	3807352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05
3072	ALL	464367.2	3807296	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05
3073	ALL	464358.5	3807238	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05
3074	ALL	464385.5	3807161	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05
3075	ALL	464944.4	3809245	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
3076	ALL	465700.3	3809255	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
3077	ALL	465716.2	3808536	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
3078	ALL	465544.4	3808534	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
3079	ALL	465420.1	3808486	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
3080	ALL	465348.8	3808492	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
3081	ALL	465317.1	3808444	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
3082	ALL	465327.6	3808407	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
3083	ALL	465108.2	3808370	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
3084	ALL	464999.9	3808301	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
3085	ALL	464722.3	3807973	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
3086	ALL	464717	3807836	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
3087	ALL	464344.3	3807936	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04
3088	ALL	464349.6	3807781	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04
3089	ALL	464386.6	3807786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04
3090	ALL	464521.4	3807860	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
3091	ALL	464537.3	3807720	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
3092	ALL	464426.3	3807614	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
3093	ALL	464368.4	3807533	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
3094	ALL	464324.6	3807122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
3095	ALL	464123.3	3807124	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05
3096	ALL	463930.1	3806909	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
3097	ALL	463831.1	3806906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05
3098	ALL	463821.4	3806721	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05

3099 ALL	463727.2	3806727	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
3100 ALL	463599	3806335	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
3101 ALL	463001.1	3806362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05

4.74E-04

Operational HRA Files

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 5/9/2022
** File: C:\Users\dlarocca\Desktop\Air Quality
Work\Lakes\Poplar18Operation\Poplar18Operation.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\apoll\Desktop\HARP2\HARP\I15 Industrial Park\I15 Industrial
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2180000
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL Poplar18Operation.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = TRUCK1O
** DESCRSRC Truck road segment 10
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 4
** 463915.509, 3808498.245, 1098.00, 3.40, 4.00
** 464118.997, 3808498.245, 1096.07, 3.40, 4.00
** 464123.373, 3808335.235, 1098.67, 3.40, 4.00
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** 463713.115, 3808333.047, 1102.19, 3.40, 4.00
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   LOCATION L0006011     VOLUME   463919.809 3808498.245 1097.59
   LOCATION L0006012     VOLUME   463928.409 3808498.245 1097.59
   LOCATION L0006013     VOLUME   463937.009 3808498.245 1097.45
   LOCATION L0006014     VOLUME   463945.609 3808498.245 1097.28
   LOCATION L0006015     VOLUME   463954.209 3808498.245 1097.11
   LOCATION L0006016     VOLUME   463962.809 3808498.245 1097.00
   LOCATION L0006017     VOLUME   463971.409 3808498.245 1097.00
   LOCATION L0006018     VOLUME   463980.009 3808498.245 1097.00
   LOCATION L0006019     VOLUME   463988.609 3808498.245 1097.00
   LOCATION L0006020     VOLUME   463997.209 3808498.245 1096.90
   LOCATION L0006021     VOLUME   464005.809 3808498.245 1096.78
   LOCATION L0006022     VOLUME   464014.409 3808498.245 1096.67
   LOCATION L0006023     VOLUME   464023.009 3808498.245 1096.59
   LOCATION L0006024     VOLUME   464031.609 3808498.245 1096.59
   LOCATION L0006025     VOLUME   464040.209 3808498.245 1096.59
   LOCATION L0006026     VOLUME   464048.809 3808498.245 1096.59
   LOCATION L0006027     VOLUME   464057.409 3808498.245 1096.44
   LOCATION L0006028     VOLUME   464066.009 3808498.245 1096.28
   LOCATION L0006029     VOLUME   464074.609 3808498.245 1096.11
   LOCATION L0006030     VOLUME   464083.209 3808498.245 1095.96
   LOCATION L0006031     VOLUME   464091.809 3808498.245 1095.84
   LOCATION L0006032     VOLUME   464100.409 3808498.245 1095.72
   LOCATION L0006033     VOLUME   464109.009 3808498.245 1095.60
   LOCATION L0006034     VOLUME   464117.609 3808498.245 1095.59
   LOCATION L0006035     VOLUME   464119.191 3808491.036 1095.83
   LOCATION L0006036     VOLUME   464119.421 3808482.439 1096.08
   LOCATION L0006037     VOLUME   464119.652 3808473.842 1096.27
   LOCATION L0006038     VOLUME   464119.883 3808465.245 1096.46
   LOCATION L0006039     VOLUME   464120.114 3808456.648 1096.65
   LOCATION L0006040     VOLUME   464120.344 3808448.051 1096.75
   LOCATION L0006041     VOLUME   464120.575 3808439.454 1096.84
   LOCATION L0006042     VOLUME   464120.806 3808430.857 1096.94
   LOCATION L0006043     VOLUME   464121.037 3808422.260 1097.08
   LOCATION L0006044     VOLUME   464121.268 3808413.663 1097.26
   LOCATION L0006045     VOLUME   464121.498 3808405.067 1097.43
   LOCATION L0006046     VOLUME   464121.729 3808396.470 1097.60
   LOCATION L0006047     VOLUME   464121.960 3808387.873 1097.71
   LOCATION L0006048     VOLUME   464122.191 3808379.276 1097.82
   LOCATION L0006049     VOLUME   464122.422 3808370.679 1097.93
   LOCATION L0006050     VOLUME   464122.652 3808362.082 1098.07
   LOCATION L0006051     VOLUME   464122.883 3808353.485 1098.24
   LOCATION L0006052     VOLUME   464123.114 3808344.888 1098.39
   LOCATION L0006053     VOLUME   464123.345 3808336.291 1098.55
   LOCATION L0006054     VOLUME   464115.829 3808335.195 1098.81
   LOCATION L0006055     VOLUME   464107.230 3808335.149 1099.00
   LOCATION L0006056     VOLUME   464098.630 3808335.104 1099.01
   LOCATION L0006057     VOLUME   464090.030 3808335.058 1099.02
   LOCATION L0006058     VOLUME   464081.430 3808335.012 1099.03
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   LOCATION L0006059     VOLUME   464072.830 3808334.966 1099.03
   LOCATION L0006060     VOLUME   464064.230 3808334.920 1099.03
   LOCATION L0006061     VOLUME   464055.630 3808334.874 1099.04
   LOCATION L0006062     VOLUME   464047.030 3808334.828 1099.13
   LOCATION L0006063     VOLUME   464038.431 3808334.782 1099.41
   LOCATION L0006064     VOLUME   464029.831 3808334.737 1099.69
   LOCATION L0006065     VOLUME   464021.231 3808334.691 1099.96
   LOCATION L0006066     VOLUME   464012.631 3808334.645 1100.00
   LOCATION L0006067     VOLUME   464004.031 3808334.599 1100.00
   LOCATION L0006068     VOLUME   463995.431 3808334.553 1100.00
   LOCATION L0006069     VOLUME   463986.831 3808334.507 1100.01
   LOCATION L0006070     VOLUME   463978.231 3808334.461 1100.02
   LOCATION L0006071     VOLUME   463969.632 3808334.416 1100.03
   LOCATION L0006072     VOLUME   463961.032 3808334.370 1100.05
   LOCATION L0006073     VOLUME   463952.432 3808334.324 1100.05
   LOCATION L0006074     VOLUME   463943.832 3808334.278 1100.06
   LOCATION L0006075     VOLUME   463935.232 3808334.232 1100.06
   LOCATION L0006076     VOLUME   463926.632 3808334.186 1100.16
   LOCATION L0006077     VOLUME   463918.032 3808334.140 1100.43
   LOCATION L0006078     VOLUME   463909.432 3808334.094 1100.70
   LOCATION L0006079     VOLUME   463900.832 3808334.049 1100.97
   LOCATION L0006080     VOLUME   463892.233 3808334.003 1101.02
   LOCATION L0006081     VOLUME   463883.633 3808333.957 1101.04
   LOCATION L0006082     VOLUME   463875.033 3808333.911 1101.06
   LOCATION L0006083     VOLUME   463866.433 3808333.865 1101.07
   LOCATION L0006084     VOLUME   463857.833 3808333.819 1101.07
   LOCATION L0006085     VOLUME   463849.233 3808333.773 1101.07
   LOCATION L0006086     VOLUME   463840.633 3808333.728 1101.07
   LOCATION L0006087     VOLUME   463832.033 3808333.682 1101.32
   LOCATION L0006088     VOLUME   463823.434 3808333.636 1101.59
   LOCATION L0006089     VOLUME   463814.834 3808333.590 1101.85
   LOCATION L0006090     VOLUME   463806.234 3808333.544 1102.00
   LOCATION L0006091     VOLUME   463797.634 3808333.498 1102.00
   LOCATION L0006092     VOLUME   463789.034 3808333.452 1102.00
   LOCATION L0006093     VOLUME   463780.434 3808333.406 1102.00
   LOCATION L0006094     VOLUME   463771.834 3808333.361 1102.02
   LOCATION L0006095     VOLUME   463763.234 3808333.315 1102.05
   LOCATION L0006096     VOLUME   463754.635 3808333.269 1102.08
   LOCATION L0006097     VOLUME   463746.035 3808333.223 1102.09
   LOCATION L0006098     VOLUME   463737.435 3808333.177 1102.09
   LOCATION L0006099     VOLUME   463728.835 3808333.131 1102.09
   LOCATION L0006100     VOLUME   463720.235 3808333.085 1102.10
** End of LINE VOLUME Source ID = TRUCK1O
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = TRUCK9
** DESCRSRC Truck road segment 9
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
```

```
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 3
** 463900.192, 3808498.245, 1098.00, 3.40, 4.00
** 463714.209, 3808498.245, 1099.21, 3.40, 4.00
** 463708.739, 3808358.210, 1102.16, 3.40, 4.00
** ----------------------------------------------------------------
   LOCATION L0006101     VOLUME   463895.892 3808498.245 1097.65
   LOCATION L0006102     VOLUME   463887.292 3808498.245 1097.76
   LOCATION L0006103     VOLUME   463878.692 3808498.245 1097.88
   LOCATION L0006104     VOLUME   463870.092 3808498.245 1098.00
   LOCATION L0006105     VOLUME   463861.492 3808498.245 1098.00
   LOCATION L0006106     VOLUME   463852.892 3808498.245 1098.00
   LOCATION L0006107     VOLUME   463844.292 3808498.245 1098.00
   LOCATION L0006108     VOLUME   463835.692 3808498.245 1098.08
   LOCATION L0006109     VOLUME   463827.092 3808498.245 1098.25
   LOCATION L0006110     VOLUME   463818.492 3808498.245 1098.42
   LOCATION L0006111     VOLUME   463809.892 3808498.245 1098.59
   LOCATION L0006112     VOLUME   463801.292 3808498.245 1098.59
   LOCATION L0006113     VOLUME   463792.692 3808498.245 1098.59
   LOCATION L0006114     VOLUME   463784.092 3808498.245 1098.59
   LOCATION L0006115     VOLUME   463775.492 3808498.245 1098.59
   LOCATION L0006116     VOLUME   463766.892 3808498.245 1098.59
   LOCATION L0006117     VOLUME   463758.292 3808498.245 1098.59
   LOCATION L0006118     VOLUME   463749.692 3808498.245 1098.59
   LOCATION L0006119     VOLUME   463741.092 3808498.245 1098.71
   LOCATION L0006120     VOLUME   463732.492 3808498.245 1098.83
   LOCATION L0006121     VOLUME   463723.892 3808498.245 1098.95
   LOCATION L0006122     VOLUME   463715.292 3808498.245 1099.09
   LOCATION L0006123     VOLUME   463713.915 3808490.734 1099.17
   LOCATION L0006124     VOLUME   463713.580 3808482.141 1099.31
   LOCATION L0006125     VOLUME   463713.244 3808473.547 1099.55
   LOCATION L0006126     VOLUME   463712.908 3808464.954 1099.77
   LOCATION L0006127     VOLUME   463712.573 3808456.361 1099.99
   LOCATION L0006128     VOLUME   463712.237 3808447.767 1100.07
   LOCATION L0006129     VOLUME   463711.901 3808439.174 1100.15
   LOCATION L0006130     VOLUME   463711.566 3808430.580 1100.24
   LOCATION L0006131     VOLUME   463711.230 3808421.987 1100.39
   LOCATION L0006132     VOLUME   463710.894 3808413.393 1100.59
   LOCATION L0006133     VOLUME   463710.558 3808404.800 1100.80
   LOCATION L0006134     VOLUME   463710.223 3808396.206 1100.99
   LOCATION L0006135     VOLUME   463709.887 3808387.613 1101.28
   LOCATION L0006136     VOLUME   463709.551 3808379.020 1101.56
   LOCATION L0006137     VOLUME   463709.216 3808370.426 1101.85
   LOCATION L0006138     VOLUME   463708.880 3808361.833 1102.05
** End of LINE VOLUME Source ID = TRUCK9
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = TRUCK43
```

```
** DESCRSRC Truck road segment 4 to 3
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 463696.704, 3808334.141, 1102.92, 3.40, 4.00
** 463321.455, 3808336.330, 1104.07, 3.40, 4.00
** ----------------------------------------------------------------------
   LOCATION L0005092     VOLUME   463692.404 3808334.167 1102.92
   LOCATION L0005093     VOLUME   463683.805 3808334.217 1103.00
   LOCATION L0005094     VOLUME   463675.205 3808334.267 1103.00
   LOCATION L0005095     VOLUME   463666.605 3808334.317 1103.00
   LOCATION L0005096     VOLUME   463658.005 3808334.367 1103.00
   LOCATION L0005097     VOLUME   463649.405 3808334.417 1103.02
   LOCATION L0005098     VOLUME   463640.805 3808334.467 1103.03
   LOCATION L0005099     VOLUME   463632.205 3808334.518 1103.04
   LOCATION L0005100     VOLUME   463623.606 3808334.568 1103.05
   LOCATION L0005101     VOLUME   463615.006 3808334.618 1103.04
   LOCATION L0005102     VOLUME   463606.406 3808334.668 1103.04
   LOCATION L0005103     VOLUME   463597.806 3808334.718 1103.11
   LOCATION L0005104     VOLUME   463589.206 3808334.768 1103.38
   LOCATION L0005105     VOLUME   463580.606 3808334.818 1103.66
   LOCATION L0005106     VOLUME   463572.006 3808334.869 1103.94
   LOCATION L0005107     VOLUME   463563.407 3808334.919 1104.00
   LOCATION L0005108     VOLUME   463554.807 3808334.969 1104.00
   LOCATION L0005109     VOLUME   463546.207 3808335.019 1104.00
   LOCATION L0005110     VOLUME   463537.607 3808335.069 1104.00
   LOCATION L0005111     VOLUME   463529.007 3808335.119 1104.00
   LOCATION L0005112     VOLUME   463520.407 3808335.169 1104.00
   LOCATION L0005113     VOLUME   463511.807 3808335.220 1104.00
   LOCATION L0005114     VOLUME   463503.208 3808335.270 1104.01
   LOCATION L0005115     VOLUME   463494.608 3808335.320 1104.01
   LOCATION L0005116     VOLUME   463486.008 3808335.370 1104.02
   LOCATION L0005117     VOLUME   463477.408 3808335.420 1104.02
   LOCATION L0005118     VOLUME   463468.808 3808335.470 1104.02
   LOCATION L0005119     VOLUME   463460.208 3808335.520 1104.01
   LOCATION L0005120     VOLUME   463451.608 3808335.571 1104.01
   LOCATION L0005121     VOLUME   463443.009 3808335.621 1104.01
   LOCATION L0005122     VOLUME   463434.409 3808335.671 1104.01
   LOCATION L0005123     VOLUME   463425.809 3808335.721 1104.01
   LOCATION L0005124     VOLUME   463417.209 3808335.771 1104.01
   LOCATION L0005125     VOLUME   463408.609 3808335.821 1104.00
   LOCATION L0005126     VOLUME   463400.009 3808335.871 1104.00
   LOCATION L0005127     VOLUME   463391.410 3808335.922 1104.00
   LOCATION L0005128     VOLUME   463382.810 3808335.972 1104.00
   LOCATION L0005129     VOLUME   463374.210 3808336.022 1104.00
   LOCATION L0005130     VOLUME   463365.610 3808336.072 1104.00
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   LOCATION L0005131     VOLUME   463357.010 3808336.122 1104.00
   LOCATION L0005132     VOLUME   463348.410 3808336.172 1104.00
   LOCATION L0005133     VOLUME   463339.810 3808336.222 1104.00
   LOCATION L0005134     VOLUME   463331.211 3808336.273 1104.00
   LOCATION L0005135     VOLUME   463322.611 3808336.323 1104.00
** End of LINE VOLUME Source ID = TRUCK43
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = TRUCK3I15
** DESCRSRC Truck road segment south to I-15
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 8
** 463322.569, 3808318.466, 1105.00, 3.40, 4.00
** 463313.867, 3807599.059, 1118.93, 3.40, 4.00
** 463284.859, 3807430.811, 1122.00, 3.40, 4.00
** 463174.627, 3807120.422, 1127.53, 3.40, 4.00
** 463099.205, 3806940.571, 1129.94, 3.40, 4.00
** 463090.503, 3806760.719, 1134.48, 3.40, 4.00
** 463064.395, 3806609.876, 1138.57, 3.40, 4.00
** 463023.784, 3806496.743, 1141.24, 3.40, 4.00
** ----------------------------------------------------------------------
   LOCATION L0006139     VOLUME   463322.517 3808314.166 1104.73
   LOCATION L0006140     VOLUME   463322.413 3808305.567 1105.00
   LOCATION L0006141     VOLUME   463322.309 3808296.967 1105.00
   LOCATION L0006142     VOLUME   463322.205 3808288.368 1105.00
   LOCATION L0006143     VOLUME   463322.101 3808279.768 1105.00
   LOCATION L0006144     VOLUME   463321.997 3808271.169 1105.12
   LOCATION L0006145     VOLUME   463321.893 3808262.570 1105.33
   LOCATION L0006146     VOLUME   463321.789 3808253.970 1105.53
   LOCATION L0006147     VOLUME   463321.685 3808245.371 1105.73
   LOCATION L0006148     VOLUME   463321.581 3808236.772 1105.81
   LOCATION L0006149     VOLUME   463321.477 3808228.172 1105.88
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = TRUCK31
** DESCRSRC Truck road segment north from 3 to 1
** PREFIX
** Length of Side = 8.60
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** Configuration = Adjacent
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** End of LINE VOLUME Source ID = TRUCK1I15
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** LINE VOLUME Source ID = TRUCK395
** DESCRSRC Truck road segment north from 1 to 395
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** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
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** DESCRSRC Truck idling emissions at bays
** PREFIX
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** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 3.16
** SZINIT = 1.47
** Nodes = 2
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** Source Parameters **
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   SRCPARAM L0006030     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006031     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006032     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006033     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006034     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006035     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006036     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006037     0.0111111111      3.40      4.00      3.16
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SRCPARAM L0006038     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006039     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006040     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006041     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006042     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006043     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006044     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006045     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006046     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006047     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006048     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006049     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006050     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006051     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006052     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006053     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006054     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006055     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006056     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006057     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006058     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006059     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006060     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006061     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006062     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006063     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006064     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006065     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006066     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006067     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006068     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006069     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006070     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006071     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006072     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006073     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006074     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006075     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006076     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006077     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006078     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006079     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006080     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006081     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006082     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006083     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006084     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006085     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006086     0.0111111111      3.40      4.00      3.16
SRCPARAM L0006087     0.0111111111      3.40      4.00      3.16
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   SRCPARAM L0006088     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006089     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006090     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006091     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006092     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006093     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006094     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006095     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006096     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006097     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006098     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006099     0.0111111111      3.40      4.00      3.16
   SRCPARAM L0006100     0.0111111111      3.40      4.00      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = TRUCK9
   SRCPARAM L0006101     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006102     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006103     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006104     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006105     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006106     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006107     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006108     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006109     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006110     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006111     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006112     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006113     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006114     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006115     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006116     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006117     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006118     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006119     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006120     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006121     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006122     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006123     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006124     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006125     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006126     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006127     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006128     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006129     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006130     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006131     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006132     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006133     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006134     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006135     0.0263157895      3.40      4.00      3.16
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   SRCPARAM L0006136     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006137     0.0263157895      3.40      4.00      3.16
   SRCPARAM L0006138     0.0263157895      3.40      4.00      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = TRUCK43
   SRCPARAM L0005092     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005093     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005094     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005095     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005096     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005097     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005098     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005099     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005100     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005101     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005102     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005103     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005104     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005105     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005106     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005107     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005108     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005109     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005110     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005111     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005112     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005113     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005114     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005115     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005116     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005117     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005118     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005119     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005120     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005121     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005122     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005123     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005124     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005125     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005126     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005127     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005128     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005129     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005130     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005131     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005132     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005133     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005134     0.0227272727      3.40      4.00      3.16
   SRCPARAM L0005135     0.0227272727      3.40      4.00      3.16
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** LINE VOLUME Source ID = TRUCK3I15
   SRCPARAM L0006139     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006140     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006141     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006142     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006143     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006144     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006145     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006146     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006147     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006148     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006149     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006150     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006151     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006152     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006153     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006154     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006155     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006156     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006157     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006158     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006159     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006160     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006161     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006162     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006163     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006164     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006165     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006166     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006167     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006168     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006169     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006170     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006171     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006172     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006173     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006174     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006175     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006176     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006177     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006178     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006179     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006180     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006181     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006182     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006183     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006184     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006185     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006186     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006187     0.0046082949      3.40      4.00      3.16
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SRCPARAM L0006188     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006189     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006190     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006191     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006192     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006193     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006194     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006195     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006196     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006197     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006198     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006199     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006200     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006201     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006202     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006203     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006204     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006205     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006206     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006207     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006208     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006209     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006210     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006211     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006212     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006213     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006214     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006215     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006216     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006217     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006218     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006219     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006220     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006221     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006222     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006223     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006224     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006225     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006226     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006227     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006228     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006229     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006230     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006231     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006232     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006233     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006234     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006235     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006236     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006237     0.0046082949      3.40      4.00      3.16
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SRCPARAM L0006238     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006239     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006240     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006241     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006242     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006243     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006244     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006245     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006246     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006247     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006248     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006249     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006250     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006251     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006252     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006253     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006254     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006255     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006256     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006257     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006258     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006259     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006260     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006261     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006262     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006263     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006264     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006265     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006266     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006267     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006268     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006269     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006270     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006271     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006272     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006273     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006274     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006275     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006276     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006277     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006278     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006279     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006280     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006281     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006282     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006283     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006284     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006285     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006286     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006287     0.0046082949      3.40      4.00      3.16
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SRCPARAM L0006288     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006289     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006290     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006291     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006292     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006293     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006294     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006295     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006296     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006297     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006298     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006299     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006300     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006301     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006302     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006303     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006304     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006305     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006306     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006307     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006308     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006309     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006310     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006311     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006312     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006313     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006314     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006315     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006316     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006317     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006318     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006319     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006320     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006321     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006322     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006323     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006324     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006325     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006326     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006327     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006328     0.0046082949      3.40      4.00      3.16
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SRCPARAM L0006330     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006331     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006332     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006333     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006334     0.0046082949      3.40      4.00      3.16
SRCPARAM L0006335     0.0046082949      3.40      4.00      3.16
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SRCPARAM L0006337     0.0046082949      3.40      4.00      3.16
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   SRCPARAM L0006339     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006340     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006341     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006342     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006343     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006344     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006345     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006346     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006347     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006348     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006349     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006350     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006351     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006352     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006353     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006354     0.0046082949      3.40      4.00      3.16
   SRCPARAM L0006355     0.0046082949      3.40      4.00      3.16
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** LINE VOLUME Source ID = TRUCK31
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   SRCPARAM L0006357     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006358     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006359     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006360     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006361     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006362     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006363     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006364     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006365     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006366     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006367     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006368     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006369     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006370     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006371     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006372     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006373     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006374     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006375     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006376     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006377     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006378     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006379     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006380     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006381     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006382     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006383     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006384     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006385     0.0072992701      3.40      4.00      3.16
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SRCPARAM L0006386     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006387     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006388     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006389     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006390     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006391     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006392     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006393     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006394     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006395     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006396     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006397     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006398     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006399     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006400     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006401     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006402     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006403     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006404     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006405     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006406     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006407     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006408     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006409     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006410     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006411     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006412     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006413     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006414     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006415     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006416     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006417     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006418     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006419     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006420     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006421     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006422     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006423     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006424     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006425     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006426     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006427     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006428     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006429     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006430     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006431     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006432     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006433     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006434     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006435     0.0072992701      3.40      4.00      3.16
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SRCPARAM L0006436     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006437     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006438     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006439     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006440     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006441     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006442     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006443     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006444     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006445     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006446     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006447     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006448     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006449     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006450     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006451     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006452     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006453     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006454     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006455     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006456     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006457     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006458     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006459     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006460     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006461     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006462     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006463     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006464     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006465     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006466     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006467     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006468     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006469     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006470     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006471     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006472     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006473     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006474     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006475     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006476     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006477     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006478     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006479     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006480     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006481     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006482     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006483     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006484     0.0072992701      3.40      4.00      3.16
SRCPARAM L0006485     0.0072992701      3.40      4.00      3.16
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   SRCPARAM L0006486     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006487     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006488     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006489     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006490     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006491     0.0072992701      3.40      4.00      3.16
   SRCPARAM L0006492     0.0072992701      3.40      4.00      3.16
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** LINE VOLUME Source ID = TRUCK1I15
   SRCPARAM L0006493     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006494     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006495     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006496     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006497     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006498     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006499     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006500     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006501     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006502     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006503     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006504     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006505     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006506     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006507     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006508     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006509     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006510     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006511     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006512     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006513     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006514     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006515     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006516     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006517     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006518     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006519     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006520     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006521     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006522     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006523     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006524     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006525     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006526     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006527     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006528     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006529     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006530     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006531     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006532     0.0042372881      3.40      4.00      3.16
   SRCPARAM L0006533     0.0042372881      3.40      4.00      3.16
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SRCPARAM L0006534     0.0042372881      3.40      4.00      3.16
SRCPARAM L0006535     0.0042372881      3.40      4.00      3.16
SRCPARAM L0006536     0.0042372881      3.40      4.00      3.16
SRCPARAM L0006537     0.0042372881      3.40      4.00      3.16
SRCPARAM L0006538     0.0042372881      3.40      4.00      3.16
SRCPARAM L0006539     0.0042372881      3.40      4.00      3.16
SRCPARAM L0006540     0.0042372881      3.40      4.00      3.16
SRCPARAM L0006541     0.0042372881      3.40      4.00      3.16
SRCPARAM L0006542     0.0042372881      3.40      4.00      3.16
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** LINE VOLUME Source ID = TRUCK395
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SRCPARAM L0006824     0.0047619048      3.40      4.00      3.16
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SRCPARAM L0006828     0.0047619048      3.40      4.00      3.16
SRCPARAM L0006829     0.0047619048      3.40      4.00      3.16
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SRCPARAM L0006831     0.0047619048      3.40      4.00      3.16
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SRCPARAM L0006881     0.0047619048      3.40      4.00      3.16
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   SRCPARAM L0005940     0.0133333333      4.00      1.45      1.47
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   SRCPARAM L0005942     0.0133333333      4.00      1.45      1.47
   SRCPARAM L0005943     0.0133333333      4.00      1.45      1.47
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   SRCPARAM L0005952     0.0133333333      4.00      1.45      1.47
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   SRCPARAM L0005954     0.0133333333      4.00      1.45      1.47
   SRCPARAM L0005955     0.0133333333      4.00      1.45      1.47
   SRCPARAM L0005956     0.0133333333      4.00      1.45      1.47
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   SRCPARAM L0005959     0.0133333333      4.00      1.45      1.47
   SRCPARAM L0005960     0.0133333333      4.00      1.45      1.47
   SRCPARAM L0005961     0.0133333333      4.00      1.45      1.47
   SRCPARAM L0005962     0.0133333333      4.00      1.45      1.47
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SRCGROUP TRUCK31  L0006446 L0006447 L0006448 L0006449 L0006450 L0006451
SRCGROUP TRUCK31  L0006452 L0006453 L0006454 L0006455 L0006456 L0006457
SRCGROUP TRUCK31  L0006458 L0006459 L0006460 L0006461 L0006462 L0006463
SRCGROUP TRUCK31  L0006464 L0006465 L0006466 L0006467 L0006468 L0006469
SRCGROUP TRUCK31  L0006470 L0006471 L0006472 L0006473 L0006474 L0006475
SRCGROUP TRUCK31  L0006476 L0006477 L0006478 L0006479 L0006480 L0006481
SRCGROUP TRUCK31  L0006482 L0006483 L0006484 L0006485 L0006486 L0006487
SRCGROUP TRUCK31  L0006488 L0006489 L0006490 L0006491 L0006492
SRCGROUP TRUCK395 L0006729 L0006730 L0006731 L0006732 L0006733 L0006734
SRCGROUP TRUCK395 L0006735 L0006736 L0006737 L0006738 L0006739 L0006740
SRCGROUP TRUCK395 L0006741 L0006742 L0006743 L0006744 L0006745 L0006746
SRCGROUP TRUCK395 L0006747 L0006748 L0006749 L0006750 L0006751 L0006752
SRCGROUP TRUCK395 L0006753 L0006754 L0006755 L0006756 L0006757 L0006758
SRCGROUP TRUCK395 L0006759 L0006760 L0006761 L0006762 L0006763 L0006764
SRCGROUP TRUCK395 L0006765 L0006766 L0006767 L0006768 L0006769 L0006770
SRCGROUP TRUCK395 L0006771 L0006772 L0006773 L0006774 L0006775 L0006776
SRCGROUP TRUCK395 L0006777 L0006778 L0006779 L0006780 L0006781 L0006782
SRCGROUP TRUCK395 L0006783 L0006784 L0006785 L0006786 L0006787 L0006788
SRCGROUP TRUCK395 L0006789 L0006790 L0006791 L0006792 L0006793 L0006794
SRCGROUP TRUCK395 L0006795 L0006796 L0006797 L0006798 L0006799 L0006800
SRCGROUP TRUCK395 L0006801 L0006802 L0006803 L0006804 L0006805 L0006806
SRCGROUP TRUCK395 L0006807 L0006808 L0006809 L0006810 L0006811 L0006812
SRCGROUP TRUCK395 L0006813 L0006814 L0006815 L0006816 L0006817 L0006818
SRCGROUP TRUCK395 L0006819 L0006820 L0006821 L0006822 L0006823 L0006824
SRCGROUP TRUCK395 L0006825 L0006826 L0006827 L0006828 L0006829 L0006830
SRCGROUP TRUCK395 L0006831 L0006832 L0006833 L0006834 L0006835 L0006836
SRCGROUP TRUCK395 L0006837 L0006838 L0006839 L0006840 L0006841 L0006842
SRCGROUP TRUCK395 L0006843 L0006844 L0006845 L0006846 L0006847 L0006848
SRCGROUP TRUCK395 L0006849 L0006850 L0006851 L0006852 L0006853 L0006854
SRCGROUP TRUCK395 L0006855 L0006856 L0006857 L0006858 L0006859 L0006860
SRCGROUP TRUCK395 L0006861 L0006862 L0006863 L0006864 L0006865 L0006866
```

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SRCGROUP TRUCK395 L0006867 L0006868 L0006869 L0006870 L0006871 L0006872
SRCGROUP TRUCK395 L0006873 L0006874 L0006875 L0006876 L0006877 L0006878
SRCGROUP TRUCK395 L0006879 L0006880 L0006881 L0006882 L0006883 L0006884
SRCGROUP TRUCK395 L0006885 L0006886 L0006887 L0006888 L0006889 L0006890
SRCGROUP TRUCK395 L0006891 L0006892 L0006893 L0006894 L0006895 L0006896
SRCGROUP TRUCK395 L0006897 L0006898 L0006899 L0006900 L0006901 L0006902
SRCGROUP TRUCK395 L0006903 L0006904 L0006905 L0006906 L0006907 L0006908
SRCGROUP TRUCK395 L0006909 L0006910 L0006911 L0006912 L0006913 L0006914
SRCGROUP TRUCK395 L0006915 L0006916 L0006917 L0006918 L0006919 L0006920
SRCGROUP TRUCK395 L0006921 L0006922 L0006923 L0006924 L0006925 L0006926
SRCGROUP TRUCK395 L0006927 L0006928 L0006929 L0006930 L0006931 L0006932
SRCGROUP TRUCK395 L0006933 L0006934 L0006935 L0006936 L0006937 L0006938
SRCGROUP TRUCK3I1 L0006139 L0006140 L0006141 L0006142 L0006143 L0006144
SRCGROUP TRUCK3I1 L0006145 L0006146 L0006147 L0006148 L0006149 L0006150
SRCGROUP TRUCK3I1 L0006151 L0006152 L0006153 L0006154 L0006155 L0006156
SRCGROUP TRUCK3I1 L0006157 L0006158 L0006159 L0006160 L0006161 L0006162
SRCGROUP TRUCK3I1 L0006163 L0006164 L0006165 L0006166 L0006167 L0006168
SRCGROUP TRUCK3I1 L0006169 L0006170 L0006171 L0006172 L0006173 L0006174
SRCGROUP TRUCK3I1 L0006175 L0006176 L0006177 L0006178 L0006179 L0006180
SRCGROUP TRUCK3I1 L0006181 L0006182 L0006183 L0006184 L0006185 L0006186
SRCGROUP TRUCK3I1 L0006187 L0006188 L0006189 L0006190 L0006191 L0006192
SRCGROUP TRUCK3I1 L0006193 L0006194 L0006195 L0006196 L0006197 L0006198
SRCGROUP TRUCK3I1 L0006199 L0006200 L0006201 L0006202 L0006203 L0006204
SRCGROUP TRUCK3I1 L0006205 L0006206 L0006207 L0006208 L0006209 L0006210
SRCGROUP TRUCK3I1 L0006211 L0006212 L0006213 L0006214 L0006215 L0006216
SRCGROUP TRUCK3I1 L0006217 L0006218 L0006219 L0006220 L0006221 L0006222
SRCGROUP TRUCK3I1 L0006223 L0006224 L0006225 L0006226 L0006227 L0006228
SRCGROUP TRUCK3I1 L0006229 L0006230 L0006231 L0006232 L0006233 L0006234
SRCGROUP TRUCK3I1 L0006235 L0006236 L0006237 L0006238 L0006239 L0006240
SRCGROUP TRUCK3I1 L0006241 L0006242 L0006243 L0006244 L0006245 L0006246
SRCGROUP TRUCK3I1 L0006247 L0006248 L0006249 L0006250 L0006251 L0006252
SRCGROUP TRUCK3I1 L0006253 L0006254 L0006255 L0006256 L0006257 L0006258
SRCGROUP TRUCK3I1 L0006259 L0006260 L0006261 L0006262 L0006263 L0006264
SRCGROUP TRUCK3I1 L0006265 L0006266 L0006267 L0006268 L0006269 L0006270
SRCGROUP TRUCK3I1 L0006271 L0006272 L0006273 L0006274 L0006275 L0006276
SRCGROUP TRUCK3I1 L0006277 L0006278 L0006279 L0006280 L0006281 L0006282
SRCGROUP TRUCK3I1 L0006283 L0006284 L0006285 L0006286 L0006287 L0006288
SRCGROUP TRUCK3I1 L0006289 L0006290 L0006291 L0006292 L0006293 L0006294
SRCGROUP TRUCK3I1 L0006295 L0006296 L0006297 L0006298 L0006299 L0006300
SRCGROUP TRUCK3I1 L0006301 L0006302 L0006303 L0006304 L0006305 L0006306
SRCGROUP TRUCK3I1 L0006307 L0006308 L0006309 L0006310 L0006311 L0006312
SRCGROUP TRUCK3I1 L0006313 L0006314 L0006315 L0006316 L0006317 L0006318
SRCGROUP TRUCK3I1 L0006319 L0006320 L0006321 L0006322 L0006323 L0006324
SRCGROUP TRUCK3I1 L0006325 L0006326 L0006327 L0006328 L0006329 L0006330
SRCGROUP TRUCK3I1 L0006331 L0006332 L0006333 L0006334 L0006335 L0006336
SRCGROUP TRUCK3I1 L0006337 L0006338 L0006339 L0006340 L0006341 L0006342
SRCGROUP TRUCK3I1 L0006343 L0006344 L0006345 L0006346 L0006347 L0006348
SRCGROUP TRUCK3I1 L0006349 L0006350 L0006351 L0006352 L0006353 L0006354
SRCGROUP TRUCK3I1 L0006355
SRCGROUP TRUCK43  L0005092 L0005093 L0005094 L0005095 L0005096 L0005097
```

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   SRCGROUP TRUCK43  L0005098 L0005099 L0005100 L0005101 L0005102 L0005103
   SRCGROUP TRUCK43  L0005104 L0005105 L0005106 L0005107 L0005108 L0005109
   SRCGROUP TRUCK43  L0005110 L0005111 L0005112 L0005113 L0005114 L0005115
   SRCGROUP TRUCK43  L0005116 L0005117 L0005118 L0005119 L0005120 L0005121
   SRCGROUP TRUCK43  L0005122 L0005123 L0005124 L0005125 L0005126 L0005127
   SRCGROUP TRUCK43  L0005128 L0005129 L0005130 L0005131 L0005132 L0005133
   SRCGROUP TRUCK43  L0005134 L0005135
   SRCGROUP TRUCK9   L0006101 L0006102 L0006103 L0006104 L0006105 L0006106
   SRCGROUP TRUCK9   L0006107 L0006108 L0006109 L0006110 L0006111 L0006112
   SRCGROUP TRUCK9   L0006113 L0006114 L0006115 L0006116 L0006117 L0006118
   SRCGROUP TRUCK9   L0006119 L0006120 L0006121 L0006122 L0006123 L0006124
   SRCGROUP TRUCK9   L0006125 L0006126 L0006127 L0006128 L0006129 L0006130
   SRCGROUP TRUCK9   L0006131 L0006132 L0006133 L0006134 L0006135 L0006136
   SRCGROUP TRUCK9   L0006137 L0006138
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED Poplar18Operation.rou
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE "..\I15 Industrial Park8.16.21\723825\723825R.SFC"
   PROFFILE "..\I15 Industrial Park8.16.21\723825\723825R.PFL"
   SURFDATA 23131 2009
   UAIRDATA 3160 2009 DESERT_ROCK
   PROFBASE 879.4 METERS
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST POPLAR18OPERATION.AD\01H1GALL.PLT 31
   PLOTFILE 1 IDLE 1ST POPLAR18OPERATION.AD\01H1G001.PLT 32
```

```
   PLOTFILE 1 TRUCK1I1 1ST POPLAR18OPERATION.AD\01H1G002.PLT 33
   PLOTFILE 1 TRUCK1O 1ST POPLAR18OPERATION.AD\01H1G003.PLT 34
   PLOTFILE 1 TRUCK31 1ST POPLAR18OPERATION.AD\01H1G004.PLT 35
   PLOTFILE 1 TRUCK395 1ST POPLAR18OPERATION.AD\01H1G005.PLT 36
   PLOTFILE 1 TRUCK3I1 1ST POPLAR18OPERATION.AD\01H1G006.PLT 37
   PLOTFILE 1 TRUCK43 1ST POPLAR18OPERATION.AD\01H1G007.PLT 38
   PLOTFILE 1 TRUCK9 1ST POPLAR18OPERATION.AD\01H1G008.PLT 39
   PLOTFILE PERIOD ALL POPLAR18OPERATION.AD\PE00GALL.PLT 40
   PLOTFILE PERIOD IDLE POPLAR18OPERATION.AD\PE00G001.PLT 41
   PLOTFILE PERIOD TRUCK1I1 POPLAR18OPERATION.AD\PE00G002.PLT 42
   PLOTFILE PERIOD TRUCK1O POPLAR18OPERATION.AD\PE00G003.PLT 43
   PLOTFILE PERIOD TRUCK31 POPLAR18OPERATION.AD\PE00G004.PLT 44
   PLOTFILE PERIOD TRUCK395 POPLAR18OPERATION.AD\PE00G005.PLT 45
   PLOTFILE PERIOD TRUCK3I1 POPLAR18OPERATION.AD\PE00G006.PLT 46
   PLOTFILE PERIOD TRUCK43 POPLAR18OPERATION.AD\PE00G007.PLT 47
   PLOTFILE PERIOD TRUCK9 POPLAR18OPERATION.AD\PE00G008.PLT 48
   SUMMFILE Poplar18Operation.sum
OU FINISHED

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                          ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for  1047 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2180000.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
```

```
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:   1047 Source(s);       9 Source Group(s); and    3065
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:   1047 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  14134

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   879.40 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
```

```
                  Emission Units = GRAMS/SEC                                    ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      5.4 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Poplar18Operation.err

 **File for Summary of Results:   Poplar18Operation.sum

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0006011         0   0.11111E-01  463919.8 3808498.2  1097.6     3.40     4.00
3.16     YES
 L0006012         0   0.11111E-01  463928.4 3808498.2  1097.6     3.40     4.00
3.16     YES
 L0006013         0   0.11111E-01  463937.0 3808498.2  1097.5     3.40     4.00
3.16     YES
 L0006014         0   0.11111E-01  463945.6 3808498.2  1097.3     3.40     4.00
3.16     YES
 L0006015         0   0.11111E-01  463954.2 3808498.2  1097.1     3.40     4.00
3.16     YES
 L0006016         0   0.11111E-01  463962.8 3808498.2  1097.0     3.40     4.00
3.16     YES
 L0006017         0   0.11111E-01  463971.4 3808498.2  1097.0     3.40     4.00
3.16     YES
 L0006018         0   0.11111E-01  463980.0 3808498.2  1097.0     3.40     4.00
```

3.16 YES
L0006019 0 0.11111E-01 463988.6 3808498.2 1097.0 3.40 4.00
3.16 YES
L0006020 0 0.11111E-01 463997.2 3808498.2 1096.9 3.40 4.00
3.16 YES
L0006021 0 0.11111E-01 464005.8 3808498.2 1096.8 3.40 4.00
3.16 YES
L0006022 0 0.11111E-01 464014.4 3808498.2 1096.7 3.40 4.00
3.16 YES
L0006023 0 0.11111E-01 464023.0 3808498.2 1096.6 3.40 4.00
3.16 YES
L0006024 0 0.11111E-01 464031.6 3808498.2 1096.6 3.40 4.00
3.16 YES
L0006025 0 0.11111E-01 464040.2 3808498.2 1096.6 3.40 4.00
3.16 YES
L0006026 0 0.11111E-01 464048.8 3808498.2 1096.6 3.40 4.00
3.16 YES
L0006027 0 0.11111E-01 464057.4 3808498.2 1096.4 3.40 4.00
3.16 YES
L0006028 0 0.11111E-01 464066.0 3808498.2 1096.3 3.40 4.00
3.16 YES
L0006029 0 0.11111E-01 464074.6 3808498.2 1096.1 3.40 4.00
3.16 YES
L0006030 0 0.11111E-01 464083.2 3808498.2 1096.0 3.40 4.00
3.16 YES
L0006031 0 0.11111E-01 464091.8 3808498.2 1095.8 3.40 4.00
3.16 YES
L0006032 0 0.11111E-01 464100.4 3808498.2 1095.7 3.40 4.00
3.16 YES
L0006033 0 0.11111E-01 464109.0 3808498.2 1095.6 3.40 4.00
3.16 YES
L0006034 0 0.11111E-01 464117.6 3808498.2 1095.6 3.40 4.00
3.16 YES
L0006035 0 0.11111E-01 464119.2 3808491.0 1095.8 3.40 4.00
3.16 YES
L0006036 0 0.11111E-01 464119.4 3808482.4 1096.1 3.40 4.00
3.16 YES
L0006037 0 0.11111E-01 464119.7 3808473.8 1096.3 3.40 4.00
3.16 YES
L0006038 0 0.11111E-01 464119.9 3808465.2 1096.5 3.40 4.00
3.16 YES
L0006039 0 0.11111E-01 464120.1 3808456.6 1096.6 3.40 4.00
3.16 YES
L0006040 0 0.11111E-01 464120.3 3808448.1 1096.8 3.40 4.00
3.16 YES
L0006041 0 0.11111E-01 464120.6 3808439.5 1096.8 3.40 4.00
3.16 YES
L0006042 0 0.11111E-01 464120.8 3808430.9 1096.9 3.40 4.00
3.16 YES
L0006043 0 0.11111E-01 464121.0 3808422.3 1097.1 3.40 4.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0006051	0	0.11111E-01	464122.9	3808353.5	1098.2	3.40	4.00	3.16	YES	
L0006052	0	0.11111E-01	464123.1	3808344.9	1098.4	3.40	4.00	3.16	YES	
L0006053	0	0.11111E-01	464123.3	3808336.3	1098.5	3.40	4.00	3.16	YES	
L0006054	0	0.11111E-01	464115.8	3808335.2	1098.8	3.40	4.00	3.16	YES	
L0006055	0	0.11111E-01	464107.2	3808335.1	1099.0	3.40	4.00	3.16	YES	
L0006056	0	0.11111E-01	464098.6	3808335.1	1099.0	3.40	4.00	3.16	YES	
L0006057	0	0.11111E-01	464090.0	3808335.1	1099.0	3.40	4.00	3.16	YES	
L0006058	0	0.11111E-01	464081.4	3808335.0	1099.0	3.40	4.00			

3.16 YES
L0006059 0 0.11111E-01 464072.8 3808335.0 1099.0 3.40 4.00
3.16 YES
L0006060 0 0.11111E-01 464064.2 3808334.9 1099.0 3.40 4.00
3.16 YES
L0006061 0 0.11111E-01 464055.6 3808334.9 1099.0 3.40 4.00
3.16 YES
L0006062 0 0.11111E-01 464047.0 3808334.8 1099.1 3.40 4.00
3.16 YES
L0006063 0 0.11111E-01 464038.4 3808334.8 1099.4 3.40 4.00
3.16 YES
L0006064 0 0.11111E-01 464029.8 3808334.7 1099.7 3.40 4.00
3.16 YES
L0006065 0 0.11111E-01 464021.2 3808334.7 1100.0 3.40 4.00
3.16 YES
L0006066 0 0.11111E-01 464012.6 3808334.6 1100.0 3.40 4.00
3.16 YES
L0006067 0 0.11111E-01 464004.0 3808334.6 1100.0 3.40 4.00
3.16 YES
L0006068 0 0.11111E-01 463995.4 3808334.6 1100.0 3.40 4.00
3.16 YES
L0006069 0 0.11111E-01 463986.8 3808334.5 1100.0 3.40 4.00
3.16 YES
L0006070 0 0.11111E-01 463978.2 3808334.5 1100.0 3.40 4.00
3.16 YES
L0006071 0 0.11111E-01 463969.6 3808334.4 1100.0 3.40 4.00
3.16 YES
L0006072 0 0.11111E-01 463961.0 3808334.4 1100.0 3.40 4.00
3.16 YES
L0006073 0 0.11111E-01 463952.4 3808334.3 1100.0 3.40 4.00
3.16 YES
L0006074 0 0.11111E-01 463943.8 3808334.3 1100.1 3.40 4.00
3.16 YES
L0006075 0 0.11111E-01 463935.2 3808334.2 1100.1 3.40 4.00
3.16 YES
L0006076 0 0.11111E-01 463926.6 3808334.2 1100.2 3.40 4.00
3.16 YES
L0006077 0 0.11111E-01 463918.0 3808334.1 1100.4 3.40 4.00
3.16 YES
L0006078 0 0.11111E-01 463909.4 3808334.1 1100.7 3.40 4.00
3.16 YES
L0006079 0 0.11111E-01 463900.8 3808334.0 1101.0 3.40 4.00
3.16 YES
L0006080 0 0.11111E-01 463892.2 3808334.0 1101.0 3.40 4.00
3.16 YES
L0006081 0 0.11111E-01 463883.6 3808334.0 1101.0 3.40 4.00
3.16 YES
L0006082 0 0.11111E-01 463875.0 3808333.9 1101.1 3.40 4.00
3.16 YES
L0006083 0 0.11111E-01 463866.4 3808333.9 1101.1 3.40 4.00

3.16   YES
 L0006084   0   0.11111E-01 463857.8 3808333.8 1101.1   3.40   4.00
3.16   YES
 L0006085   0   0.11111E-01 463849.2 3808333.8 1101.1   3.40   4.00
3.16   YES
 L0006086   0   0.11111E-01 463840.6 3808333.7 1101.1   3.40   4.00
3.16   YES
 L0006087   0   0.11111E-01 463832.0 3808333.7 1101.3   3.40   4.00
3.16   YES
 L0006088   0   0.11111E-01 463823.4 3808333.6 1101.6   3.40   4.00
3.16   YES
 L0006089   0   0.11111E-01 463814.8 3808333.6 1101.8   3.40   4.00
3.16   YES
 L0006090   0   0.11111E-01 463806.2 3808333.5 1102.0   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0006091   0   0.11111E-01 463797.6 3808333.5 1102.0   3.40   4.00
3.16   YES
 L0006092   0   0.11111E-01 463789.0 3808333.5 1102.0   3.40   4.00
3.16   YES
 L0006093   0   0.11111E-01 463780.4 3808333.4 1102.0   3.40   4.00
3.16   YES
 L0006094   0   0.11111E-01 463771.8 3808333.4 1102.0   3.40   4.00
3.16   YES
 L0006095   0   0.11111E-01 463763.2 3808333.3 1102.0   3.40   4.00
3.16   YES
 L0006096   0   0.11111E-01 463754.6 3808333.3 1102.1   3.40   4.00
3.16   YES
 L0006097   0   0.11111E-01 463746.0 3808333.2 1102.1   3.40   4.00
3.16   YES
 L0006098   0   0.11111E-01 463737.4 3808333.2 1102.1   3.40   4.00

3.16 YES
L0006099 0 0.11111E-01 463728.8 3808333.1 1102.1 3.40 4.00
3.16 YES
L0006100 0 0.11111E-01 463720.2 3808333.1 1102.1 3.40 4.00
3.16 YES
L0006101 0 0.26316E-01 463895.9 3808498.2 1097.6 3.40 4.00
3.16 YES
L0006102 0 0.26316E-01 463887.3 3808498.2 1097.8 3.40 4.00
3.16 YES
L0006103 0 0.26316E-01 463878.7 3808498.2 1097.9 3.40 4.00
3.16 YES
L0006104 0 0.26316E-01 463870.1 3808498.2 1098.0 3.40 4.00
3.16 YES
L0006105 0 0.26316E-01 463861.5 3808498.2 1098.0 3.40 4.00
3.16 YES
L0006106 0 0.26316E-01 463852.9 3808498.2 1098.0 3.40 4.00
3.16 YES
L0006107 0 0.26316E-01 463844.3 3808498.2 1098.0 3.40 4.00
3.16 YES
L0006108 0 0.26316E-01 463835.7 3808498.2 1098.1 3.40 4.00
3.16 YES
L0006109 0 0.26316E-01 463827.1 3808498.2 1098.2 3.40 4.00
3.16 YES
L0006110 0 0.26316E-01 463818.5 3808498.2 1098.4 3.40 4.00
3.16 YES
L0006111 0 0.26316E-01 463809.9 3808498.2 1098.6 3.40 4.00
3.16 YES
L0006112 0 0.26316E-01 463801.3 3808498.2 1098.6 3.40 4.00
3.16 YES
L0006113 0 0.26316E-01 463792.7 3808498.2 1098.6 3.40 4.00
3.16 YES
L0006114 0 0.26316E-01 463784.1 3808498.2 1098.6 3.40 4.00
3.16 YES
L0006115 0 0.26316E-01 463775.5 3808498.2 1098.6 3.40 4.00
3.16 YES
L0006116 0 0.26316E-01 463766.9 3808498.2 1098.6 3.40 4.00
3.16 YES
L0006117 0 0.26316E-01 463758.3 3808498.2 1098.6 3.40 4.00
3.16 YES
L0006118 0 0.26316E-01 463749.7 3808498.2 1098.6 3.40 4.00
3.16 YES
L0006119 0 0.26316E-01 463741.1 3808498.2 1098.7 3.40 4.00
3.16 YES
L0006120 0 0.26316E-01 463732.5 3808498.2 1098.8 3.40 4.00
3.16 YES
L0006121 0 0.26316E-01 463723.9 3808498.2 1099.0 3.40 4.00
3.16 YES
L0006122 0 0.26316E-01 463715.3 3808498.2 1099.1 3.40 4.00
3.16 YES
L0006123 0 0.26316E-01 463713.9 3808490.7 1099.2 3.40 4.00

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0006131	0	0.26316E-01	463711.2	3808422.0	1100.4	3.40	4.00	3.16	YES	
L0006132	0	0.26316E-01	463710.9	3808413.4	1100.6	3.40	4.00	3.16	YES	
L0006133	0	0.26316E-01	463710.6	3808404.8	1100.8	3.40	4.00	3.16	YES	
L0006134	0	0.26316E-01	463710.2	3808396.2	1101.0	3.40	4.00	3.16	YES	
L0006135	0	0.26316E-01	463709.9	3808387.6	1101.3	3.40	4.00	3.16	YES	
L0006136	0	0.26316E-01	463709.6	3808379.0	1101.6	3.40	4.00	3.16	YES	
L0006137	0	0.26316E-01	463709.2	3808370.4	1101.8	3.40	4.00	3.16	YES	
L0006138	0	0.26316E-01	463708.9	3808361.8	1102.0	3.40	4.00			

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3.16     YES
 L0005092         0   0.22727E-01  463692.4 3808334.2  1102.9     3.40     4.00
3.16     YES
 L0005093         0   0.22727E-01  463683.8 3808334.2  1103.0     3.40     4.00
3.16     YES
 L0005094         0   0.22727E-01  463675.2 3808334.3  1103.0     3.40     4.00
3.16     YES
 L0005095         0   0.22727E-01  463666.6 3808334.3  1103.0     3.40     4.00
3.16     YES
 L0005096         0   0.22727E-01  463658.0 3808334.4  1103.0     3.40     4.00
3.16     YES
 L0005097         0   0.22727E-01  463649.4 3808334.4  1103.0     3.40     4.00
3.16     YES
 L0005098         0   0.22727E-01  463640.8 3808334.5  1103.0     3.40     4.00
3.16     YES
 L0005099         0   0.22727E-01  463632.2 3808334.5  1103.0     3.40     4.00
3.16     YES
 L0005100         0   0.22727E-01  463623.6 3808334.6  1103.0     3.40     4.00
3.16     YES
 L0005101         0   0.22727E-01  463615.0 3808334.6  1103.0     3.40     4.00
3.16     YES
 L0005102         0   0.22727E-01  463606.4 3808334.7  1103.0     3.40     4.00
3.16     YES
 L0005103         0   0.22727E-01  463597.8 3808334.7  1103.1     3.40     4.00
3.16     YES
 L0005104         0   0.22727E-01  463589.2 3808334.8  1103.4     3.40     4.00
3.16     YES
 L0005105         0   0.22727E-01  463580.6 3808334.8  1103.7     3.40     4.00
3.16     YES
 L0005106         0   0.22727E-01  463572.0 3808334.9  1103.9     3.40     4.00
3.16     YES
 L0005107         0   0.22727E-01  463563.4 3808334.9  1104.0     3.40     4.00
3.16     YES
 L0005108         0   0.22727E-01  463554.8 3808335.0  1104.0     3.40     4.00
3.16     YES
 L0005109         0   0.22727E-01  463546.2 3808335.0  1104.0     3.40     4.00
3.16     YES
 L0005110         0   0.22727E-01  463537.6 3808335.1  1104.0     3.40     4.00
3.16     YES
 L0005111         0   0.22727E-01  463529.0 3808335.1  1104.0     3.40     4.00
3.16     YES
 L0005112         0   0.22727E-01  463520.4 3808335.2  1104.0     3.40     4.00
3.16     YES
 L0005113         0   0.22727E-01  463511.8 3808335.2  1104.0     3.40     4.00
3.16     YES
 L0005114         0   0.22727E-01  463503.2 3808335.3  1104.0     3.40     4.00
3.16     YES
 L0005115         0   0.22727E-01  463494.6 3808335.3  1104.0     3.40     4.00
3.16     YES
 L0005116         0   0.22727E-01  463486.0 3808335.4  1104.0     3.40     4.00
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3.16   YES
 L0005117   0   0.22727E-01 463477.4 3808335.4 1104.0   3.40   4.00
3.16   YES
 L0005118   0   0.22727E-01 463468.8 3808335.5 1104.0   3.40   4.00
3.16   YES
 L0005119   0   0.22727E-01 463460.2 3808335.5 1104.0   3.40   4.00
3.16   YES
 L0005120   0   0.22727E-01 463451.6 3808335.6 1104.0   3.40   4.00
3.16   YES
 L0005121   0   0.22727E-01 463443.0 3808335.6 1104.0   3.40   4.00
3.16   YES
 L0005122   0   0.22727E-01 463434.4 3808335.7 1104.0   3.40   4.00
3.16   YES
 L0005123   0   0.22727E-01 463425.8 3808335.7 1104.0   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- - - - - - - - - - - - - - - - - - - -

 L0005124   0   0.22727E-01 463417.2 3808335.8 1104.0   3.40   4.00
3.16   YES
 L0005125   0   0.22727E-01 463408.6 3808335.8 1104.0   3.40   4.00
3.16   YES
 L0005126   0   0.22727E-01 463400.0 3808335.9 1104.0   3.40   4.00
3.16   YES
 L0005127   0   0.22727E-01 463391.4 3808335.9 1104.0   3.40   4.00
3.16   YES
 L0005128   0   0.22727E-01 463382.8 3808336.0 1104.0   3.40   4.00
3.16   YES
 L0005129   0   0.22727E-01 463374.2 3808336.0 1104.0   3.40   4.00
3.16   YES
 L0005130   0   0.22727E-01 463365.6 3808336.1 1104.0   3.40   4.00
3.16   YES
 L0005131   0   0.22727E-01 463357.0 3808336.1 1104.0   3.40   4.00

3.16 YES
L0005132 0 0.22727E-01 463348.4 3808336.2 1104.0 3.40 4.00
3.16 YES
L0005133 0 0.22727E-01 463339.8 3808336.2 1104.0 3.40 4.00
3.16 YES
L0005134 0 0.22727E-01 463331.2 3808336.3 1104.0 3.40 4.00
3.16 YES
L0005135 0 0.22727E-01 463322.6 3808336.3 1104.0 3.40 4.00
3.16 YES
L0006139 0 0.46083E-02 463322.5 3808314.2 1104.7 3.40 4.00
3.16 YES
L0006140 0 0.46083E-02 463322.4 3808305.6 1105.0 3.40 4.00
3.16 YES
L0006141 0 0.46083E-02 463322.3 3808297.0 1105.0 3.40 4.00
3.16 YES
L0006142 0 0.46083E-02 463322.2 3808288.4 1105.0 3.40 4.00
3.16 YES
L0006143 0 0.46083E-02 463322.1 3808279.8 1105.0 3.40 4.00
3.16 YES
L0006144 0 0.46083E-02 463322.0 3808271.2 1105.1 3.40 4.00
3.16 YES
L0006145 0 0.46083E-02 463321.9 3808262.6 1105.3 3.40 4.00
3.16 YES
L0006146 0 0.46083E-02 463321.8 3808254.0 1105.5 3.40 4.00
3.16 YES
L0006147 0 0.46083E-02 463321.7 3808245.4 1105.7 3.40 4.00
3.16 YES
L0006148 0 0.46083E-02 463321.6 3808236.8 1105.8 3.40 4.00
3.16 YES
L0006149 0 0.46083E-02 463321.5 3808228.2 1105.9 3.40 4.00
3.16 YES
L0006150 0 0.46083E-02 463321.4 3808219.6 1106.0 3.40 4.00
3.16 YES
L0006151 0 0.46083E-02 463321.3 3808211.0 1106.2 3.40 4.00
3.16 YES
L0006152 0 0.46083E-02 463321.2 3808202.4 1106.5 3.40 4.00
3.16 YES
L0006153 0 0.46083E-02 463321.1 3808193.8 1106.7 3.40 4.00
3.16 YES
L0006154 0 0.46083E-02 463321.0 3808185.2 1107.0 3.40 4.00
3.16 YES
L0006155 0 0.46083E-02 463320.9 3808176.6 1107.3 3.40 4.00
3.16 YES
L0006156 0 0.46083E-02 463320.7 3808168.0 1107.6 3.40 4.00
3.16 YES
L0006157 0 0.46083E-02 463320.6 3808159.4 1107.9 3.40 4.00
3.16 YES
L0006158 0 0.46083E-02 463320.5 3808150.8 1108.2 3.40 4.00
3.16 YES
L0006159 0 0.46083E-02 463320.4 3808142.2 1108.5 3.40 4.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0006167	0	0.46083E-02	463319.6	3808073.4	1110.0	3.40	4.00	3.16	YES	
L0006168	0	0.46083E-02	463319.5	3808064.8	1110.0	3.40	4.00	3.16	YES	
L0006169	0	0.46083E-02	463319.4	3808056.2	1110.0	3.40	4.00	3.16	YES	
L0006170	0	0.46083E-02	463319.3	3808047.6	1110.0	3.40	4.00	3.16	YES	
L0006171	0	0.46083E-02	463319.2	3808039.0	1110.0	3.40	4.00	3.16	YES	
L0006172	0	0.46083E-02	463319.1	3808030.4	1110.1	3.40	4.00	3.16	YES	
L0006173	0	0.46083E-02	463319.0	3808021.8	1110.3	3.40	4.00	3.16	YES	
L0006174	0	0.46083E-02	463318.9	3808013.2	1110.5	3.40	4.00			

3.16 YES
L0006175 0 0.46083E-02 463318.8 3808004.6 1110.6 3.40 4.00
3.16 YES
L0006176 0 0.46083E-02 463318.7 3807996.0 1110.8 3.40 4.00
3.16 YES
L0006177 0 0.46083E-02 463318.6 3807987.4 1110.8 3.40 4.00
3.16 YES
L0006178 0 0.46083E-02 463318.5 3807978.8 1111.0 3.40 4.00
3.16 YES
L0006179 0 0.46083E-02 463318.4 3807970.2 1111.0 3.40 4.00
3.16 YES
L0006180 0 0.46083E-02 463318.3 3807961.6 1111.0 3.40 4.00
3.16 YES
L0006181 0 0.46083E-02 463318.1 3807953.0 1111.0 3.40 4.00
3.16 YES
L0006182 0 0.46083E-02 463318.0 3807944.4 1111.0 3.40 4.00
3.16 YES
L0006183 0 0.46083E-02 463317.9 3807935.8 1111.2 3.40 4.00
3.16 YES
L0006184 0 0.46083E-02 463317.8 3807927.2 1111.4 3.40 4.00
3.16 YES
L0006185 0 0.46083E-02 463317.7 3807918.6 1111.5 3.40 4.00
3.16 YES
L0006186 0 0.46083E-02 463317.6 3807910.0 1111.7 3.40 4.00
3.16 YES
L0006187 0 0.46083E-02 463317.5 3807901.4 1111.8 3.40 4.00
3.16 YES
L0006188 0 0.46083E-02 463317.4 3807892.8 1111.9 3.40 4.00
3.16 YES
L0006189 0 0.46083E-02 463317.3 3807884.2 1112.1 3.40 4.00
3.16 YES
L0006190 0 0.46083E-02 463317.2 3807875.6 1112.3 3.40 4.00
3.16 YES
L0006191 0 0.46083E-02 463317.1 3807867.0 1112.6 3.40 4.00
3.16 YES
L0006192 0 0.46083E-02 463317.0 3807858.4 1112.9 3.40 4.00
3.16 YES
L0006193 0 0.46083E-02 463316.9 3807849.8 1113.2 3.40 4.00
3.16 YES
L0006194 0 0.46083E-02 463316.8 3807841.2 1113.5 3.40 4.00
3.16 YES
L0006195 0 0.46083E-02 463316.7 3807832.6 1113.8 3.40 4.00
3.16 YES
L0006196 0 0.46083E-02 463316.6 3807824.0 1114.1 3.40 4.00
3.16 YES
L0006197 0 0.46083E-02 463316.5 3807815.4 1114.3 3.40 4.00
3.16 YES
L0006198 0 0.46083E-02 463316.4 3807806.8 1114.6 3.40 4.00
3.16 YES
L0006199 0 0.46083E-02 463316.3 3807798.2 1114.9 3.40 4.00

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0006207	0	0.46083E-02	463315.4	3807729.4	1116.1	3.40	4.00	3.16	YES	
L0006208	0	0.46083E-02	463315.3	3807720.8	1116.2	3.40	4.00	3.16	YES	
L0006209	0	0.46083E-02	463315.2	3807712.2	1116.4	3.40	4.00	3.16	YES	
L0006210	0	0.46083E-02	463315.1	3807703.6	1116.5	3.40	4.00	3.16	YES	
L0006211	0	0.46083E-02	463315.0	3807695.0	1116.7	3.40	4.00	3.16	YES	
L0006212	0	0.46083E-02	463314.9	3807686.4	1116.8	3.40	4.00	3.16	YES	
L0006213	0	0.46083E-02	463314.8	3807677.8	1117.0	3.40	4.00	3.16	YES	
L0006214	0	0.46083E-02	463314.7	3807669.2	1117.2	3.40	4.00			

3.16 YES
L0006215 0 0.46083E-02 463314.6 3807660.6 1117.5 3.40 4.00
3.16 YES
L0006216 0 0.46083E-02 463314.5 3807652.0 1117.8 3.40 4.00
3.16 YES
L0006217 0 0.46083E-02 463314.4 3807643.4 1118.0 3.40 4.00
3.16 YES
L0006218 0 0.46083E-02 463314.3 3807634.8 1118.0 3.40 4.00
3.16 YES
L0006219 0 0.46083E-02 463314.2 3807626.2 1118.0 3.40 4.00
3.16 YES
L0006220 0 0.46083E-02 463314.1 3807617.6 1118.0 3.40 4.00
3.16 YES
L0006221 0 0.46083E-02 463314.0 3807609.0 1118.2 3.40 4.00
3.16 YES
L0006222 0 0.46083E-02 463313.9 3807600.4 1118.5 3.40 4.00
3.16 YES
L0006223 0 0.46083E-02 463312.6 3807591.9 1118.8 3.40 4.00
3.16 YES
L0006224 0 0.46083E-02 463311.2 3807583.4 1119.0 3.40 4.00
3.16 YES
L0006225 0 0.46083E-02 463309.7 3807575.0 1119.0 3.40 4.00
3.16 YES
L0006226 0 0.46083E-02 463308.3 3807566.5 1119.0 3.40 4.00
3.16 YES
L0006227 0 0.46083E-02 463306.8 3807558.0 1119.0 3.40 4.00
3.16 YES
L0006228 0 0.46083E-02 463305.3 3807549.5 1119.2 3.40 4.00
3.16 YES
L0006229 0 0.46083E-02 463303.9 3807541.1 1119.5 3.40 4.00
3.16 YES
L0006230 0 0.46083E-02 463302.4 3807532.6 1119.8 3.40 4.00
3.16 YES
L0006231 0 0.46083E-02 463300.9 3807524.1 1120.1 3.40 4.00
3.16 YES
L0006232 0 0.46083E-02 463299.5 3807515.6 1120.3 3.40 4.00
3.16 YES
L0006233 0 0.46083E-02 463298.0 3807507.2 1120.6 3.40 4.00
3.16 YES
L0006234 0 0.46083E-02 463296.6 3807498.7 1120.9 3.40 4.00
3.16 YES
L0006235 0 0.46083E-02 463295.1 3807490.2 1121.0 3.40 4.00
3.16 YES
L0006236 0 0.46083E-02 463293.6 3807481.7 1121.0 3.40 4.00
3.16 YES
L0006237 0 0.46083E-02 463292.2 3807473.3 1121.0 3.40 4.00
3.16 YES
L0006238 0 0.46083E-02 463290.7 3807464.8 1121.0 3.40 4.00
3.16 YES
L0006239 0 0.46083E-02 463289.3 3807456.3 1121.3 3.40 4.00

3.16   YES
 L0006240   0   0.46083E-02 463287.8 3807447.8 1121.6   3.40   4.00
3.16   YES
 L0006241   0   0.46083E-02 463286.3 3807439.4 1121.9   3.40   4.00
3.16   YES
 L0006242   0   0.46083E-02 463284.9 3807430.9 1122.0   3.40   4.00
3.16   YES
 L0006243   0   0.46083E-02 463282.0 3807422.8 1122.0   3.40   4.00
3.16   YES
 L0006244   0   0.46083E-02 463279.1 3807414.7 1122.0   3.40   4.00
3.16   YES
 L0006245   0   0.46083E-02 463276.3 3807406.6 1122.0   3.40   4.00
3.16   YES
 L0006246   0   0.46083E-02 463273.4 3807398.5 1122.2   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0006247   0   0.46083E-02 463270.5 3807390.4 1122.5   3.40   4.00
3.16   YES
 L0006248   0   0.46083E-02 463267.6 3807382.3 1122.8   3.40   4.00
3.16   YES
 L0006249   0   0.46083E-02 463264.7 3807374.2 1123.0   3.40   4.00
3.16   YES
 L0006250   0   0.46083E-02 463261.9 3807366.1 1123.0   3.40   4.00
3.16   YES
 L0006251   0   0.46083E-02 463259.0 3807358.0 1123.0   3.40   4.00
3.16   YES
 L0006252   0   0.46083E-02 463256.1 3807349.9 1123.0   3.40   4.00
3.16   YES
 L0006253   0   0.46083E-02 463253.2 3807341.8 1123.1   3.40   4.00
3.16   YES
 L0006254   0   0.46083E-02 463250.4 3807333.6 1123.4   3.40   4.00

3.16 YES
L0006255 0 0.46083E-02 463247.5 3807325.5 1123.7 3.40 4.00
3.16 YES
L0006256 0 0.46083E-02 463244.6 3807317.4 1124.0 3.40 4.00
3.16 YES
L0006257 0 0.46083E-02 463241.7 3807309.3 1124.0 3.40 4.00
3.16 YES
L0006258 0 0.46083E-02 463238.8 3807301.2 1124.0 3.40 4.00
3.16 YES
L0006259 0 0.46083E-02 463236.0 3807293.1 1124.0 3.40 4.00
3.16 YES
L0006260 0 0.46083E-02 463233.1 3807285.0 1124.0 3.40 4.00
3.16 YES
L0006261 0 0.46083E-02 463230.2 3807276.9 1124.1 3.40 4.00
3.16 YES
L0006262 0 0.46083E-02 463227.3 3807268.8 1124.2 3.40 4.00
3.16 YES
L0006263 0 0.46083E-02 463224.4 3807260.7 1124.4 3.40 4.00
3.16 YES
L0006264 0 0.46083E-02 463221.6 3807252.6 1124.7 3.40 4.00
3.16 YES
L0006265 0 0.46083E-02 463218.7 3807244.5 1124.8 3.40 4.00
3.16 YES
L0006266 0 0.46083E-02 463215.8 3807236.4 1124.9 3.40 4.00
3.16 YES
L0006267 0 0.46083E-02 463212.9 3807228.3 1125.0 3.40 4.00
3.16 YES
L0006268 0 0.46083E-02 463210.1 3807220.2 1125.2 3.40 4.00
3.16 YES
L0006269 0 0.46083E-02 463207.2 3807212.1 1125.5 3.40 4.00
3.16 YES
L0006270 0 0.46083E-02 463204.3 3807204.0 1125.7 3.40 4.00
3.16 YES
L0006271 0 0.46083E-02 463201.4 3807195.9 1126.0 3.40 4.00
3.16 YES
L0006272 0 0.46083E-02 463198.5 3807187.8 1126.1 3.40 4.00
3.16 YES
L0006273 0 0.46083E-02 463195.7 3807179.7 1126.3 3.40 4.00
3.16 YES
L0006274 0 0.46083E-02 463192.8 3807171.6 1126.5 3.40 4.00
3.16 YES
L0006275 0 0.46083E-02 463189.9 3807163.5 1126.7 3.40 4.00
3.16 YES
L0006276 0 0.46083E-02 463187.0 3807155.4 1126.8 3.40 4.00
3.16 YES
L0006277 0 0.46083E-02 463184.2 3807147.3 1127.0 3.40 4.00
3.16 YES
L0006278 0 0.46083E-02 463181.3 3807139.1 1127.0 3.40 4.00
3.16 YES
L0006279 0 0.46083E-02 463178.4 3807131.0 1127.2 3.40 4.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0006287	0	0.46083E-02	463152.4	3807067.4	1128.3	3.40	4.00	3.16	YES	
L0006288	0	0.46083E-02	463149.1	3807059.4	1128.5	3.40	4.00	3.16	YES	
L0006289	0	0.46083E-02	463145.7	3807051.5	1128.8	3.40	4.00	3.16	YES	
L0006290	0	0.46083E-02	463142.4	3807043.6	1129.0	3.40	4.00	3.16	YES	
L0006291	0	0.46083E-02	463139.1	3807035.6	1129.0	3.40	4.00	3.16	YES	
L0006292	0	0.46083E-02	463135.8	3807027.7	1129.0	3.40	4.00	3.16	YES	
L0006293	0	0.46083E-02	463132.4	3807019.8	1129.0	3.40	4.00	3.16	YES	
L0006294	0	0.46083E-02	463129.1	3807011.9	1129.1	3.40	4.00			

3.16 YES
L0006295 0 0.46083E-02 463125.8 3807003.9 1129.4 3.40 4.00
3.16 YES
L0006296 0 0.46083E-02 463122.4 3806996.0 1129.7 3.40 4.00
3.16 YES
L0006297 0 0.46083E-02 463119.1 3806988.1 1129.9 3.40 4.00
3.16 YES
L0006298 0 0.46083E-02 463115.8 3806980.1 1129.9 3.40 4.00
3.16 YES
L0006299 0 0.46083E-02 463112.5 3806972.2 1129.9 3.40 4.00
3.16 YES
L0006300 0 0.46083E-02 463109.1 3806964.3 1129.9 3.40 4.00
3.16 YES
L0006301 0 0.46083E-02 463105.8 3806956.3 1130.0 3.40 4.00
3.16 YES
L0006302 0 0.46083E-02 463102.5 3806948.4 1130.1 3.40 4.00
3.16 YES
L0006303 0 0.46083E-02 463099.2 3806940.5 1130.2 3.40 4.00
3.16 YES
L0006304 0 0.46083E-02 463098.8 3806931.9 1130.2 3.40 4.00
3.16 YES
L0006305 0 0.46083E-02 463098.4 3806923.3 1130.3 3.40 4.00
3.16 YES
L0006306 0 0.46083E-02 463098.0 3806914.7 1130.5 3.40 4.00
3.16 YES
L0006307 0 0.46083E-02 463097.5 3806906.1 1130.8 3.40 4.00
3.16 YES
L0006308 0 0.46083E-02 463097.1 3806897.5 1131.0 3.40 4.00
3.16 YES
L0006309 0 0.46083E-02 463096.7 3806888.9 1131.2 3.40 4.00
3.16 YES
L0006310 0 0.46083E-02 463096.3 3806880.3 1131.5 3.40 4.00
3.16 YES
L0006311 0 0.46083E-02 463095.9 3806871.7 1131.8 3.40 4.00
3.16 YES
L0006312 0 0.46083E-02 463095.5 3806863.2 1132.0 3.40 4.00
3.16 YES
L0006313 0 0.46083E-02 463095.0 3806854.6 1132.1 3.40 4.00
3.16 YES
L0006314 0 0.46083E-02 463094.6 3806846.0 1132.1 3.40 4.00
3.16 YES
L0006315 0 0.46083E-02 463094.2 3806837.4 1132.1 3.40 4.00
3.16 YES
L0006316 0 0.46083E-02 463093.8 3806828.8 1132.4 3.40 4.00
3.16 YES
L0006317 0 0.46083E-02 463093.4 3806820.2 1132.6 3.40 4.00
3.16 YES
L0006318 0 0.46083E-02 463093.0 3806811.6 1132.9 3.40 4.00
3.16 YES
L0006319 0 0.46083E-02 463092.5 3806803.0 1133.2 3.40 4.00

3.16   YES
 L0006320   0   0.46083E-02 463092.1 3806794.4 1133.4   3.40   4.00
3.16   YES
 L0006321   0   0.46083E-02 463091.7 3806785.8 1133.7   3.40   4.00
3.16   YES
 L0006322   0   0.46083E-02 463091.3 3806777.3 1134.0   3.40   4.00
3.16   YES
 L0006323   0   0.46083E-02 463090.9 3806768.7 1134.2   3.40   4.00
3.16   YES
 L0006324   0   0.46083E-02 463090.4 3806760.1 1134.5   3.40   4.00
3.16   YES
 L0006325   0   0.46083E-02 463088.9 3806751.6 1134.8   3.40   4.00
3.16   YES
 L0006326   0   0.46083E-02 463087.5 3806743.1 1134.9   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0006327   0   0.46083E-02 463086.0 3806734.7 1134.9   3.40   4.00
3.16   YES
 L0006328   0   0.46083E-02 463084.5 3806726.2 1134.8   3.40   4.00
3.16   YES
 L0006329   0   0.46083E-02 463083.1 3806717.7 1134.8   3.40   4.00
3.16   YES
 L0006330   0   0.46083E-02 463081.6 3806709.2 1134.9   3.40   4.00
3.16   YES
 L0006331   0   0.46083E-02 463080.1 3806700.8 1135.2   3.40   4.00
3.16   YES
 L0006332   0   0.46083E-02 463078.7 3806692.3 1135.4   3.40   4.00
3.16   YES
 L0006333   0   0.46083E-02 463077.2 3806683.8 1135.7   3.40   4.00
3.16   YES
 L0006334   0   0.46083E-02 463075.7 3806675.3 1136.0   3.40   4.00

3.16 YES
L0006335 0 0.46083E-02 463074.3 3806666.9 1136.5 3.40 4.00
3.16 YES
L0006336 0 0.46083E-02 463072.8 3806658.4 1136.9 3.40 4.00
3.16 YES
L0006337 0 0.46083E-02 463071.3 3806649.9 1137.2 3.40 4.00
3.16 YES
L0006338 0 0.46083E-02 463069.9 3806641.5 1137.5 3.40 4.00
3.16 YES
L0006339 0 0.46083E-02 463068.4 3806633.0 1137.8 3.40 4.00
3.16 YES
L0006340 0 0.46083E-02 463066.9 3806624.5 1138.0 3.40 4.00
3.16 YES
L0006341 0 0.46083E-02 463065.5 3806616.0 1138.3 3.40 4.00
3.16 YES
L0006342 0 0.46083E-02 463063.6 3806607.7 1138.6 3.40 4.00
3.16 YES
L0006343 0 0.46083E-02 463060.7 3806599.6 1138.9 3.40 4.00
3.16 YES
L0006344 0 0.46083E-02 463057.8 3806591.5 1139.1 3.40 4.00
3.16 YES
L0006345 0 0.46083E-02 463054.9 3806583.4 1139.4 3.40 4.00
3.16 YES
L0006346 0 0.46083E-02 463052.0 3806575.3 1139.7 3.40 4.00
3.16 YES
L0006347 0 0.46083E-02 463049.1 3806567.2 1140.0 3.40 4.00
3.16 YES
L0006348 0 0.46083E-02 463046.2 3806559.1 1140.1 3.40 4.00
3.16 YES
L0006349 0 0.46083E-02 463043.3 3806551.0 1140.2 3.40 4.00
3.16 YES
L0006350 0 0.46083E-02 463040.4 3806542.9 1140.3 3.40 4.00
3.16 YES
L0006351 0 0.46083E-02 463037.4 3806534.8 1140.3 3.40 4.00
3.16 YES
L0006352 0 0.46083E-02 463034.5 3806526.7 1140.4 3.40 4.00
3.16 YES
L0006353 0 0.46083E-02 463031.6 3806518.6 1140.6 3.40 4.00
3.16 YES
L0006354 0 0.46083E-02 463028.7 3806510.5 1140.8 3.40 4.00
3.16 YES
L0006355 0 0.46083E-02 463025.8 3806502.4 1141.1 3.40 4.00
3.16 YES
L0006356 0 0.72993E-02 463319.6 3808372.1 1104.0 3.40 4.00
3.16 YES
L0006357 0 0.72993E-02 463319.5 3808380.7 1104.0 3.40 4.00
3.16 YES
L0006358 0 0.72993E-02 463319.3 3808389.3 1104.0 3.40 4.00
3.16 YES
L0006359 0 0.72993E-02 463319.2 3808397.9 1103.9 3.40 4.00

3.16   YES
 L0006360   0   0.72993E-02 463319.1 3808406.5 1103.6   3.40   4.00
3.16   YES
 L0006361   0   0.72993E-02 463318.9 3808415.1 1103.4   3.40   4.00
3.16   YES
 L0006362   0   0.72993E-02 463318.8 3808423.7 1103.1   3.40   4.00
3.16   YES
 L0006363   0   0.72993E-02 463318.7 3808432.3 1102.8   3.40   4.00
3.16   YES
 L0006364   0   0.72993E-02 463318.5 3808440.9 1102.5   3.40   4.00
3.16   YES
 L0006365   0   0.72993E-02 463318.4 3808449.5 1102.2   3.40   4.00
3.16   YES
 L0006366   0   0.72993E-02 463318.3 3808458.1 1101.9   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0006367   0   0.72993E-02 463318.1 3808466.7 1101.6   3.40   4.00
3.16   YES
 L0006368   0   0.72993E-02 463318.0 3808475.3 1101.4   3.40   4.00
3.16   YES
 L0006369   0   0.72993E-02 463317.9 3808483.9 1101.1   3.40   4.00
3.16   YES
 L0006370   0   0.72993E-02 463317.8 3808492.5 1100.8   3.40   4.00
3.16   YES
 L0006371   0   0.72993E-02 463317.6 3808501.1 1100.5   3.40   4.00
3.16   YES
 L0006372   0   0.72993E-02 463317.5 3808509.7 1100.2   3.40   4.00
3.16   YES
 L0006373   0   0.72993E-02 463317.4 3808518.3 1100.0   3.40   4.00
3.16   YES
 L0006374   0   0.72993E-02 463317.2 3808526.9 1099.8   3.40   4.00

3.16 YES
L0006375 0 0.72993E-02 463317.1 3808535.5 1099.7 3.40 4.00
3.16 YES
L0006376 0 0.72993E-02 463317.0 3808544.1 1099.6 3.40 4.00
3.16 YES
L0006377 0 0.72993E-02 463316.8 3808552.7 1099.4 3.40 4.00
3.16 YES
L0006378 0 0.72993E-02 463316.7 3808561.3 1099.3 3.40 4.00
3.16 YES
L0006379 0 0.72993E-02 463316.6 3808569.9 1099.1 3.40 4.00
3.16 YES
L0006380 0 0.72993E-02 463316.4 3808578.5 1099.0 3.40 4.00
3.16 YES
L0006381 0 0.72993E-02 463316.3 3808587.1 1098.8 3.40 4.00
3.16 YES
L0006382 0 0.72993E-02 463316.2 3808595.7 1098.7 3.40 4.00
3.16 YES
L0006383 0 0.72993E-02 463316.0 3808604.3 1098.6 3.40 4.00
3.16 YES
L0006384 0 0.72993E-02 463315.9 3808612.9 1098.4 3.40 4.00
3.16 YES
L0006385 0 0.72993E-02 463315.8 3808621.4 1098.2 3.40 4.00
3.16 YES
L0006386 0 0.72993E-02 463315.6 3808630.0 1098.1 3.40 4.00
3.16 YES
L0006387 0 0.72993E-02 463315.5 3808638.6 1098.0 3.40 4.00
3.16 YES
L0006388 0 0.72993E-02 463315.4 3808647.2 1098.0 3.40 4.00
3.16 YES
L0006389 0 0.72993E-02 463315.2 3808655.8 1098.0 3.40 4.00
3.16 YES
L0006390 0 0.72993E-02 463315.1 3808664.4 1098.0 3.40 4.00
3.16 YES
L0006391 0 0.72993E-02 463315.0 3808673.0 1097.9 3.40 4.00
3.16 YES
L0006392 0 0.72993E-02 463314.8 3808681.6 1097.7 3.40 4.00
3.16 YES
L0006393 0 0.72993E-02 463314.7 3808690.2 1097.6 3.40 4.00
3.16 YES
L0006394 0 0.72993E-02 463314.6 3808698.8 1097.5 3.40 4.00
3.16 YES
L0006395 0 0.72993E-02 463314.4 3808707.4 1097.3 3.40 4.00
3.16 YES
L0006396 0 0.72993E-02 463314.3 3808716.0 1097.2 3.40 4.00
3.16 YES
L0006397 0 0.72993E-02 463314.2 3808724.6 1097.0 3.40 4.00
3.16 YES
L0006398 0 0.72993E-02 463314.0 3808733.2 1096.5 3.40 4.00
3.16 YES
L0006399 0 0.72993E-02 463313.9 3808741.8 1095.9 3.40 4.00

3.16   YES
 L0006400   0   0.72993E-02 463312.1 3808750.1 1095.2   3.40   4.00
3.16   YES
 L0006401   0   0.72993E-02 463309.4 3808758.3 1094.5   3.40   4.00
3.16   YES
 L0006402   0   0.72993E-02 463306.7 3808766.5 1093.9   3.40   4.00
3.16   YES
 L0006403   0   0.72993E-02 463304.0 3808774.6 1093.5   3.40   4.00
3.16   YES
 L0006404   0   0.72993E-02 463301.2 3808782.8 1093.1   3.40   4.00
3.16   YES
 L0006405   0   0.72993E-02 463298.5 3808790.9 1092.6   3.40   4.00
3.16   YES
 L0006406   0   0.72993E-02 463295.8 3808799.1 1092.0   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- - - - - - - - - - - - - - - - - - - -

 L0006407   0   0.72993E-02 463293.1 3808807.3 1091.3   3.40   4.00
3.16   YES
 L0006408   0   0.72993E-02 463290.4 3808815.4 1090.7   3.40   4.00
3.16   YES
 L0006409   0   0.72993E-02 463287.6 3808823.6 1090.2   3.40   4.00
3.16   YES
 L0006410   0   0.72993E-02 463284.9 3808831.7 1089.7   3.40   4.00
3.16   YES
 L0006411   0   0.72993E-02 463282.2 3808839.9 1089.1   3.40   4.00
3.16   YES
 L0006412   0   0.72993E-02 463279.5 3808848.1 1088.6   3.40   4.00
3.16   YES
 L0006413   0   0.72993E-02 463276.8 3808856.2 1088.5   3.40   4.00
3.16   YES
 L0006414   0   0.72993E-02 463274.0 3808864.4 1088.3   3.40   4.00

3.16 YES
L0006415 0 0.72993E-02 463271.3 3808872.5 1088.1 3.40 4.00
3.16 YES
L0006416 0 0.72993E-02 463268.6 3808880.7 1087.7 3.40 4.00
3.16 YES
L0006417 0 0.72993E-02 463265.9 3808888.8 1087.2 3.40 4.00
3.16 YES
L0006418 0 0.72993E-02 463263.4 3808897.1 1086.6 3.40 4.00
3.16 YES
L0006419 0 0.72993E-02 463261.1 3808905.4 1086.1 3.40 4.00
3.16 YES
L0006420 0 0.72993E-02 463258.8 3808913.6 1085.5 3.40 4.00
3.16 YES
L0006421 0 0.72993E-02 463256.4 3808921.9 1085.1 3.40 4.00
3.16 YES
L0006422 0 0.72993E-02 463254.1 3808930.2 1084.6 3.40 4.00
3.16 YES
L0006423 0 0.72993E-02 463251.8 3808938.5 1084.3 3.40 4.00
3.16 YES
L0006424 0 0.72993E-02 463249.5 3808946.8 1083.7 3.40 4.00
3.16 YES
L0006425 0 0.72993E-02 463247.2 3808955.1 1083.1 3.40 4.00
3.16 YES
L0006426 0 0.72993E-02 463244.9 3808963.3 1082.5 3.40 4.00
3.16 YES
L0006427 0 0.72993E-02 463242.6 3808971.6 1082.0 3.40 4.00
3.16 YES
L0006428 0 0.72993E-02 463240.3 3808979.9 1081.5 3.40 4.00
3.16 YES
L0006429 0 0.72993E-02 463238.0 3808988.2 1081.2 3.40 4.00
3.16 YES
L0006430 0 0.72993E-02 463235.7 3808996.5 1080.8 3.40 4.00
3.16 YES
L0006431 0 0.72993E-02 463233.4 3809004.8 1080.2 3.40 4.00
3.16 YES
L0006432 0 0.72993E-02 463231.0 3809013.1 1079.6 3.40 4.00
3.16 YES
L0006433 0 0.72993E-02 463228.7 3809021.3 1078.9 3.40 4.00
3.16 YES
L0006434 0 0.72993E-02 463226.4 3809029.6 1078.4 3.40 4.00
3.16 YES
L0006435 0 0.72993E-02 463224.1 3809037.9 1078.1 3.40 4.00
3.16 YES
L0006436 0 0.72993E-02 463221.8 3809046.2 1077.7 3.40 4.00
3.16 YES
L0006437 0 0.72993E-02 463219.5 3809054.5 1077.4 3.40 4.00
3.16 YES
L0006438 0 0.72993E-02 463217.2 3809062.8 1076.8 3.40 4.00
3.16 YES
L0006439 0 0.72993E-02 463215.2 3809071.1 1076.2 3.40 4.00

3.16   YES
 L0006440   0   0.72993E-02 463215.1 3809079.7 1075.6   3.40   4.00
3.16   YES
 L0006441   0   0.72993E-02 463214.9 3809088.3 1075.1   3.40   4.00
3.16   YES
 L0006442   0   0.72993E-02 463214.8 3809096.9 1074.7   3.40   4.00
3.16   YES
 L0006443   0   0.72993E-02 463214.6 3809105.5 1074.4   3.40   4.00
3.16   YES
 L0006444   0   0.72993E-02 463214.5 3809114.1 1074.1   3.40   4.00
3.16   YES
 L0006445   0   0.72993E-02 463214.3 3809122.7 1073.8   3.40   4.00
3.16   YES
 L0006446   0   0.72993E-02 463214.2 3809131.3 1073.5   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0006447   0   0.72993E-02 463214.1 3809139.9 1073.2   3.40   4.00
3.16   YES
 L0006448   0   0.72993E-02 463213.9 3809148.5 1072.9   3.40   4.00
3.16   YES
 L0006449   0   0.72993E-02 463213.8 3809157.1 1072.6   3.40   4.00
3.16   YES
 L0006450   0   0.72993E-02 463213.6 3809165.7 1072.3   3.40   4.00
3.16   YES
 L0006451   0   0.72993E-02 463213.5 3809174.3 1072.1   3.40   4.00
3.16   YES
 L0006452   0   0.72993E-02 463213.3 3809182.9 1071.8   3.40   4.00
3.16   YES
 L0006453   0   0.72993E-02 463213.2 3809191.5 1071.5   3.40   4.00
3.16   YES
 L0006454   0   0.72993E-02 463213.0 3809200.1 1071.2   3.40   4.00

3.16 YES
L0006455 0 0.72993E-02 463212.9 3809208.7 1070.9 3.40 4.00
3.16 YES
L0006456 0 0.72993E-02 463212.7 3809217.3 1070.6 3.40 4.00
3.16 YES
L0006457 0 0.72993E-02 463212.6 3809225.9 1070.3 3.40 4.00
3.16 YES
L0006458 0 0.72993E-02 463212.4 3809234.5 1070.0 3.40 4.00
3.16 YES
L0006459 0 0.72993E-02 463212.6 3809243.1 1070.0 3.40 4.00
3.16 YES
L0006460 0 0.72993E-02 463213.5 3809251.6 1070.0 3.40 4.00
3.16 YES
L0006461 0 0.72993E-02 463214.5 3809260.1 1070.0 3.40 4.00
3.16 YES
L0006462 0 0.72993E-02 463215.4 3809268.7 1070.1 3.40 4.00
3.16 YES
L0006463 0 0.72993E-02 463216.4 3809277.2 1070.3 3.40 4.00
3.16 YES
L0006464 0 0.72993E-02 463217.3 3809285.8 1070.5 3.40 4.00
3.16 YES
L0006465 0 0.72993E-02 463218.3 3809294.3 1070.7 3.40 4.00
3.16 YES
L0006466 0 0.72993E-02 463219.2 3809302.9 1070.9 3.40 4.00
3.16 YES
L0006467 0 0.72993E-02 463220.2 3809311.4 1071.2 3.40 4.00
3.16 YES
L0006468 0 0.72993E-02 463221.1 3809320.0 1071.4 3.40 4.00
3.16 YES
L0006469 0 0.72993E-02 463222.1 3809328.5 1071.6 3.40 4.00
3.16 YES
L0006470 0 0.72993E-02 463223.0 3809337.1 1071.7 3.40 4.00
3.16 YES
L0006471 0 0.72993E-02 463224.0 3809345.6 1071.8 3.40 4.00
3.16 YES
L0006472 0 0.72993E-02 463224.9 3809354.2 1072.0 3.40 4.00
3.16 YES
L0006473 0 0.72993E-02 463225.9 3809362.7 1073.0 3.40 4.00
3.16 YES
L0006474 0 0.72993E-02 463226.8 3809371.3 1074.2 3.40 4.00
3.16 YES
L0006475 0 0.72993E-02 463227.8 3809379.8 1075.4 3.40 4.00
3.16 YES
L0006476 0 0.72993E-02 463228.7 3809388.4 1076.5 3.40 4.00
3.16 YES
L0006477 0 0.72993E-02 463229.7 3809396.9 1077.9 3.40 4.00
3.16 YES
L0006478 0 0.72993E-02 463230.6 3809405.5 1079.2 3.40 4.00
3.16 YES
L0006479 0 0.72993E-02 463231.6 3809414.0 1080.5 3.40 4.00

3.16   YES
 L0006480   0   0.72993E-02 463232.5 3809422.5 1081.7   3.40   4.00
3.16   YES
 L0006481   0   0.72993E-02 463233.5 3809431.1 1083.0   3.40   4.00
3.16   YES
 L0006482   0   0.72993E-02 463234.4 3809439.6 1084.2   3.40   4.00
3.16   YES
 L0006483   0   0.72993E-02 463235.4 3809448.2 1085.1   3.40   4.00
3.16   YES
 L0006484   0   0.72993E-02 463236.3 3809456.7 1085.1   3.40   4.00
3.16   YES
 L0006485   0   0.72993E-02 463237.3 3809465.3 1085.1   3.40   4.00
3.16   YES
 L0006486   0   0.72993E-02 463238.2 3809473.8 1085.1   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT. INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY   SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)   BY
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 L0006487   0   0.72993E-02 463239.2 3809482.4 1085.0   3.40   4.00
3.16   YES
 L0006488   0   0.72993E-02 463240.1 3809490.9 1085.0   3.40   4.00
3.16   YES
 L0006489   0   0.72993E-02 463241.1 3809499.5 1085.0   3.40   4.00
3.16   YES
 L0006490   0   0.72993E-02 463242.0 3809508.0 1085.0   3.40   4.00
3.16   YES
 L0006491   0   0.72993E-02 463243.0 3809516.6 1085.3   3.40   4.00
3.16   YES
 L0006492   0   0.72993E-02 463243.9 3809525.1 1085.5   3.40   4.00
3.16   YES
 L0006493   0   0.42373E-02 463267.2 3809539.5 1085.2   3.40   4.00
3.16   YES
 L0006494   0   0.42373E-02 463275.8 3809539.5 1085.3   3.40   4.00

3.16 YES
L0006495 0 0.42373E-02 463284.4 3809539.5 1085.5 3.40 4.00
3.16 YES
L0006496 0 0.42373E-02 463293.0 3809539.5 1085.7 3.40 4.00
3.16 YES
L0006497 0 0.42373E-02 463301.6 3809539.5 1085.8 3.40 4.00
3.16 YES
L0006498 0 0.42373E-02 463310.2 3809539.5 1085.6 3.40 4.00
3.16 YES
L0006499 0 0.42373E-02 463318.8 3809539.4 1085.3 3.40 4.00
3.16 YES
L0006500 0 0.42373E-02 463327.4 3809539.4 1085.1 3.40 4.00
3.16 YES
L0006501 0 0.42373E-02 463336.0 3809539.4 1083.9 3.40 4.00
3.16 YES
L0006502 0 0.42373E-02 463344.6 3809539.4 1082.3 3.40 4.00
3.16 YES
L0006503 0 0.42373E-02 463353.2 3809539.4 1080.8 3.40 4.00
3.16 YES
L0006504 0 0.42373E-02 463361.8 3809539.4 1078.9 3.40 4.00
3.16 YES
L0006505 0 0.42373E-02 463370.4 3809539.4 1075.7 3.40 4.00
3.16 YES
L0006506 0 0.42373E-02 463379.0 3809539.3 1072.6 3.40 4.00
3.16 YES
L0006507 0 0.42373E-02 463387.6 3809539.3 1069.4 3.40 4.00
3.16 YES
L0006508 0 0.42373E-02 463396.2 3809539.3 1067.5 3.40 4.00
3.16 YES
L0006509 0 0.42373E-02 463404.8 3809539.3 1066.1 3.40 4.00
3.16 YES
L0006510 0 0.42373E-02 463413.4 3809539.3 1064.6 3.40 4.00
3.16 YES
L0006511 0 0.42373E-02 463422.0 3809539.3 1063.7 3.40 4.00
3.16 YES
L0006512 0 0.42373E-02 463430.6 3809539.3 1064.1 3.40 4.00
3.16 YES
L0006513 0 0.42373E-02 463439.2 3809539.2 1064.5 3.40 4.00
3.16 YES
L0006514 0 0.42373E-02 463447.8 3809539.2 1065.0 3.40 4.00
3.16 YES
L0006515 0 0.42373E-02 463456.4 3809539.2 1064.9 3.40 4.00
3.16 YES
L0006516 0 0.42373E-02 463465.0 3809539.2 1064.6 3.40 4.00
3.16 YES
L0006517 0 0.42373E-02 463473.6 3809539.2 1064.3 3.40 4.00
3.16 YES
L0006518 0 0.42373E-02 463482.2 3809539.2 1064.0 3.40 4.00
3.16 YES
L0006519 0 0.42373E-02 463490.8 3809539.1 1063.7 3.40 4.00

3.16   YES
 L0006520   0   0.42373E-02 463499.4 3809539.1 1063.4   3.40   4.00
3.16   YES
 L0006521   0   0.42373E-02 463508.0 3809539.1 1063.1   3.40   4.00
3.16   YES
 L0006522   0   0.42373E-02 463516.6 3809539.1 1063.0   3.40   4.00
3.16   YES
 L0006523   0   0.42373E-02 463525.2 3809539.1 1063.0   3.40   4.00
3.16   YES
 L0006524   0   0.42373E-02 463533.8 3809539.1 1062.9   3.40   4.00
3.16   YES
 L0006525   0   0.42373E-02 463542.4 3809539.1 1062.8   3.40   4.00
3.16   YES
 L0006526   0   0.42373E-02 463551.0 3809539.0 1062.6   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0006527   0   0.42373E-02 463559.6 3809539.0 1062.3   3.40   4.00
3.16   YES
 L0006528   0   0.42373E-02 463568.2 3809539.0 1062.0   3.40   4.00
3.16   YES
 L0006529   0   0.42373E-02 463576.8 3809539.0 1062.0   3.40   4.00
3.16   YES
 L0006530   0   0.42373E-02 463585.4 3809539.0 1062.0   3.40   4.00
3.16   YES
 L0006531   0   0.42373E-02 463594.0 3809539.0 1061.9   3.40   4.00
3.16   YES
 L0006532   0   0.42373E-02 463602.6 3809538.9 1062.1   3.40   4.00
3.16   YES
 L0006533   0   0.42373E-02 463611.2 3809538.9 1062.9   3.40   4.00
3.16   YES
 L0006534   0   0.42373E-02 463619.8 3809538.9 1063.6   3.40   4.00

3.16 YES
L0006535 0 0.42373E-02 463628.4 3809538.9 1064.4 3.40 4.00
3.16 YES
L0006536 0 0.42373E-02 463637.0 3809538.9 1065.0 3.40 4.00
3.16 YES
L0006537 0 0.42373E-02 463645.6 3809538.9 1065.7 3.40 4.00
3.16 YES
L0006538 0 0.42373E-02 463654.2 3809538.9 1066.4 3.40 4.00
3.16 YES
L0006539 0 0.42373E-02 463662.8 3809538.8 1067.0 3.40 4.00
3.16 YES
L0006540 0 0.42373E-02 463671.4 3809538.8 1067.6 3.40 4.00
3.16 YES
L0006541 0 0.42373E-02 463680.0 3809538.8 1068.2 3.40 4.00
3.16 YES
L0006542 0 0.42373E-02 463688.6 3809538.8 1068.8 3.40 4.00
3.16 YES
L0006543 0 0.42373E-02 463697.2 3809538.8 1069.1 3.40 4.00
3.16 YES
L0006544 0 0.42373E-02 463705.8 3809538.8 1069.4 3.40 4.00
3.16 YES
L0006545 0 0.42373E-02 463714.4 3809538.7 1069.7 3.40 4.00
3.16 YES
L0006546 0 0.42373E-02 463723.0 3809538.7 1070.0 3.40 4.00
3.16 YES
L0006547 0 0.42373E-02 463731.6 3809538.7 1070.3 3.40 4.00
3.16 YES
L0006548 0 0.42373E-02 463740.2 3809538.7 1070.6 3.40 4.00
3.16 YES
L0006549 0 0.42373E-02 463748.8 3809538.7 1070.9 3.40 4.00
3.16 YES
L0006550 0 0.42373E-02 463757.4 3809538.7 1071.2 3.40 4.00
3.16 YES
L0006551 0 0.42373E-02 463766.0 3809538.7 1071.4 3.40 4.00
3.16 YES
L0006552 0 0.42373E-02 463774.6 3809538.6 1071.7 3.40 4.00
3.16 YES
L0006553 0 0.42373E-02 463783.2 3809538.6 1072.0 3.40 4.00
3.16 YES
L0006554 0 0.42373E-02 463791.8 3809538.6 1072.3 3.40 4.00
3.16 YES
L0006555 0 0.42373E-02 463800.4 3809538.6 1072.6 3.40 4.00
3.16 YES
L0006556 0 0.42373E-02 463809.0 3809538.6 1072.9 3.40 4.00
3.16 YES
L0006557 0 0.42373E-02 463817.6 3809538.6 1073.6 3.40 4.00
3.16 YES
L0006558 0 0.42373E-02 463826.2 3809538.6 1074.5 3.40 4.00
3.16 YES
L0006559 0 0.42373E-02 463834.8 3809538.5 1075.3 3.40 4.00

3.16   YES
 L0006560   0   0.42373E-02 463843.4 3809538.5 1076.2   3.40   4.00
3.16   YES
 L0006561   0   0.42373E-02 463852.0 3809538.5 1077.0   3.40   4.00
3.16   YES
 L0006562   0   0.42373E-02 463860.6 3809538.5 1077.9   3.40   4.00
3.16   YES
 L0006563   0   0.42373E-02 463869.2 3809538.5 1078.8   3.40   4.00
3.16   YES
 L0006564   0   0.42373E-02 463877.8 3809538.5 1078.9   3.40   4.00
3.16   YES
 L0006565   0   0.42373E-02 463886.4 3809538.4 1078.9   3.40   4.00
3.16   YES
 L0006566   0   0.42373E-02 463895.0 3809538.4 1079.0   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0006567   0   0.42373E-02 463903.6 3809538.4 1079.1   3.40   4.00
3.16   YES
 L0006568   0   0.42373E-02 463912.2 3809538.4 1079.4   3.40   4.00
3.16   YES
 L0006569   0   0.42373E-02 463920.8 3809538.4 1079.6   3.40   4.00
3.16   YES
 L0006570   0   0.42373E-02 463929.4 3809538.4 1079.9   3.40   4.00
3.16   YES
 L0006571   0   0.42373E-02 463938.0 3809538.4 1079.9   3.40   4.00
3.16   YES
 L0006572   0   0.42373E-02 463946.6 3809538.3 1080.0   3.40   4.00
3.16   YES
 L0006573   0   0.42373E-02 463955.2 3809538.3 1080.0   3.40   4.00
3.16   YES
 L0006574   0   0.42373E-02 463963.8 3809538.3 1079.9   3.40   4.00

3.16 YES
L0006575 0 0.42373E-02 463972.4 3809538.3 1079.6 3.40 4.00
3.16 YES
L0006576 0 0.42373E-02 463981.0 3809538.3 1079.3 3.40 4.00
3.16 YES
L0006577 0 0.42373E-02 463989.6 3809538.3 1079.0 3.40 4.00
3.16 YES
L0006578 0 0.42373E-02 463998.2 3809538.2 1078.7 3.40 4.00
3.16 YES
L0006579 0 0.42373E-02 464006.8 3809538.2 1078.4 3.40 4.00
3.16 YES
L0006580 0 0.42373E-02 464015.4 3809538.2 1078.1 3.40 4.00
3.16 YES
L0006581 0 0.42373E-02 464024.0 3809538.2 1078.0 3.40 4.00
3.16 YES
L0006582 0 0.42373E-02 464032.6 3809538.2 1078.0 3.40 4.00
3.16 YES
L0006583 0 0.42373E-02 464041.2 3809538.2 1078.0 3.40 4.00
3.16 YES
L0006584 0 0.42373E-02 464049.8 3809538.2 1078.0 3.40 4.00
3.16 YES
L0006585 0 0.42373E-02 464058.4 3809538.1 1078.0 3.40 4.00
3.16 YES
L0006586 0 0.42373E-02 464067.0 3809538.1 1078.0 3.40 4.00
3.16 YES
L0006587 0 0.42373E-02 464075.6 3809538.1 1077.9 3.40 4.00
3.16 YES
L0006588 0 0.42373E-02 464084.2 3809538.1 1077.8 3.40 4.00
3.16 YES
L0006589 0 0.42373E-02 464092.8 3809538.1 1077.5 3.40 4.00
3.16 YES
L0006590 0 0.42373E-02 464101.4 3809538.1 1077.3 3.40 4.00
3.16 YES
L0006591 0 0.42373E-02 464110.0 3809538.0 1077.0 3.40 4.00
3.16 YES
L0006592 0 0.42373E-02 464118.6 3809538.0 1077.0 3.40 4.00
3.16 YES
L0006593 0 0.42373E-02 464127.2 3809538.0 1077.0 3.40 4.00
3.16 YES
L0006594 0 0.42373E-02 464135.8 3809538.0 1076.9 3.40 4.00
3.16 YES
L0006595 0 0.42373E-02 464144.4 3809538.0 1076.8 3.40 4.00
3.16 YES
L0006596 0 0.42373E-02 464153.0 3809538.0 1076.5 3.40 4.00
3.16 YES
L0006597 0 0.42373E-02 464161.6 3809538.0 1076.3 3.40 4.00
3.16 YES
L0006598 0 0.42373E-02 464170.2 3809537.9 1076.0 3.40 4.00
3.16 YES
L0006599 0 0.42373E-02 464178.8 3809537.9 1076.0 3.40 4.00

3.16   YES
 L0006600   0   0.42373E-02 464187.4 3809537.9 1076.0   3.40   4.00
3.16   YES
 L0006601   0   0.42373E-02 464196.0 3809537.9 1076.0   3.40   4.00
3.16   YES
 L0006602   0   0.42373E-02 464204.6 3809537.9 1076.0   3.40   4.00
3.16   YES
 L0006603   0   0.42373E-02 464213.2 3809537.9 1076.0   3.40   4.00
3.16   YES
 L0006604   0   0.42373E-02 464221.8 3809537.9 1076.0   3.40   4.00
3.16   YES
 L0006605   0   0.42373E-02 464230.4 3809537.8 1075.9   3.40   4.00
3.16   YES
 L0006606   0   0.42373E-02 464239.0 3809537.8 1075.6   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

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INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- - - - - - - - - - - - - - - - - - - -

 L0006607   0   0.42373E-02 464247.6 3809537.8 1075.4   3.40   4.00
3.16   YES
 L0006608   0   0.42373E-02 464256.2 3809537.8 1075.1   3.40   4.00
3.16   YES
 L0006609   0   0.42373E-02 464264.8 3809537.8 1075.0   3.40   4.00
3.16   YES
 L0006610   0   0.42373E-02 464273.4 3809537.8 1075.0   3.40   4.00
3.16   YES
 L0006611   0   0.42373E-02 464282.0 3809537.7 1075.0   3.40   4.00
3.16   YES
 L0006612   0   0.42373E-02 464290.6 3809537.7 1074.9   3.40   4.00
3.16   YES
 L0006613   0   0.42373E-02 464299.2 3809537.7 1074.6   3.40   4.00
3.16   YES
 L0006614   0   0.42373E-02 464307.8 3809537.7 1074.4   3.40   4.00

3.16 YES
L0006615 0 0.42373E-02 464316.4 3809537.7 1074.1 3.40 4.00
3.16 YES
L0006616 0 0.42373E-02 464325.0 3809537.7 1074.0 3.40 4.00
3.16 YES
L0006617 0 0.42373E-02 464333.6 3809537.7 1074.0 3.40 4.00
3.16 YES
L0006618 0 0.42373E-02 464342.2 3809537.6 1074.0 3.40 4.00
3.16 YES
L0006619 0 0.42373E-02 464350.8 3809537.6 1074.0 3.40 4.00
3.16 YES
L0006620 0 0.42373E-02 464359.4 3809537.6 1074.0 3.40 4.00
3.16 YES
L0006621 0 0.42373E-02 464368.0 3809537.6 1074.0 3.40 4.00
3.16 YES
L0006622 0 0.42373E-02 464376.6 3809537.6 1074.0 3.40 4.00
3.16 YES
L0006623 0 0.42373E-02 464385.2 3809537.6 1074.0 3.40 4.00
3.16 YES
L0006624 0 0.42373E-02 464393.8 3809537.5 1074.0 3.40 4.00
3.16 YES
L0006625 0 0.42373E-02 464402.4 3809537.5 1074.0 3.40 4.00
3.16 YES
L0006626 0 0.42373E-02 464411.0 3809537.5 1073.9 3.40 4.00
3.16 YES
L0006627 0 0.42373E-02 464419.6 3809537.5 1073.6 3.40 4.00
3.16 YES
L0006628 0 0.42373E-02 464428.2 3809537.5 1073.4 3.40 4.00
3.16 YES
L0006629 0 0.42373E-02 464436.8 3809537.5 1073.1 3.40 4.00
3.16 YES
L0006630 0 0.42373E-02 464445.4 3809537.5 1073.0 3.40 4.00
3.16 YES
L0006631 0 0.42373E-02 464454.0 3809537.4 1073.0 3.40 4.00
3.16 YES
L0006632 0 0.42373E-02 464462.6 3809537.4 1073.0 3.40 4.00
3.16 YES
L0006633 0 0.42373E-02 464471.2 3809537.4 1072.9 3.40 4.00
3.16 YES
L0006634 0 0.42373E-02 464479.8 3809537.4 1072.6 3.40 4.00
3.16 YES
L0006635 0 0.42373E-02 464488.4 3809537.4 1072.4 3.40 4.00
3.16 YES
L0006636 0 0.42373E-02 464497.0 3809537.4 1072.1 3.40 4.00
3.16 YES
L0006637 0 0.42373E-02 464505.6 3809537.3 1072.0 3.40 4.00
3.16 YES
L0006638 0 0.42373E-02 464514.2 3809537.3 1072.0 3.40 4.00
3.16 YES
L0006639 0 0.42373E-02 464522.8 3809537.3 1072.0 3.40 4.00

3.16   YES
 L0006640   0   0.42373E-02 464531.4 3809537.3 1072.0   3.40   4.00
3.16   YES
 L0006641   0   0.42373E-02 464540.0 3809537.3 1072.0   3.40   4.00
3.16   YES
 L0006642   0   0.42373E-02 464548.6 3809537.3 1072.0   3.40   4.00
3.16   YES
 L0006643   0   0.42373E-02 464557.2 3809537.3 1072.0   3.40   4.00
3.16   YES
 L0006644   0   0.42373E-02 464565.8 3809537.2 1071.8   3.40   4.00
3.16   YES
 L0006645   0   0.42373E-02 464574.4 3809537.2 1071.5   3.40   4.00
3.16   YES
 L0006646   0   0.42373E-02 464583.0 3809537.2 1071.2   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

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SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0006647   0   0.42373E-02 464591.6 3809537.2 1071.0   3.40   4.00
3.16   YES
 L0006648   0   0.42373E-02 464600.2 3809537.2 1071.0   3.40   4.00
3.16   YES
 L0006649   0   0.42373E-02 464608.8 3809537.2 1071.0   3.40   4.00
3.16   YES
 L0006650   0   0.42373E-02 464617.4 3809537.2 1071.0   3.40   4.00
3.16   YES
 L0006651   0   0.42373E-02 464626.0 3809537.1 1071.0   3.40   4.00
3.16   YES
 L0006652   0   0.42373E-02 464634.6 3809537.1 1071.0   3.40   4.00
3.16   YES
 L0006653   0   0.42373E-02 464643.2 3809537.1 1071.0   3.40   4.00
3.16   YES
 L0006654   0   0.42373E-02 464651.8 3809537.1 1071.0   3.40   4.00

```
3.16     YES
 L0006655         0   0.42373E-02  464660.4 3809537.1  1071.0     3.40     4.00
3.16     YES
 L0006656         0   0.42373E-02  464669.0 3809537.1  1071.0     3.40     4.00
3.16     YES
 L0006657         0   0.42373E-02  464677.6 3809537.0  1071.0     3.40     4.00
3.16     YES
 L0006658         0   0.42373E-02  464686.2 3809537.0  1070.8     3.40     4.00
3.16     YES
 L0006659         0   0.42373E-02  464694.8 3809537.0  1070.5     3.40     4.00
3.16     YES
 L0006660         0   0.42373E-02  464703.4 3809537.0  1070.2     3.40     4.00
3.16     YES
 L0006661         0   0.42373E-02  464712.0 3809537.0  1070.0     3.40     4.00
3.16     YES
 L0006662         0   0.42373E-02  464720.6 3809537.0  1070.0     3.40     4.00
3.16     YES
 L0006663         0   0.42373E-02  464729.2 3809537.0  1070.0     3.40     4.00
3.16     YES
 L0006664         0   0.42373E-02  464737.8 3809536.9  1070.0     3.40     4.00
3.16     YES
 L0006665         0   0.42373E-02  464746.4 3809536.9  1070.0     3.40     4.00
3.16     YES
 L0006666         0   0.42373E-02  464755.0 3809536.9  1070.0     3.40     4.00
3.16     YES
 L0006667         0   0.42373E-02  464763.6 3809536.9  1070.0     3.40     4.00
3.16     YES
 L0006668         0   0.42373E-02  464772.2 3809536.9  1070.0     3.40     4.00
3.16     YES
 L0006669         0   0.42373E-02  464780.8 3809536.9  1070.0     3.40     4.00
3.16     YES
 L0006670         0   0.42373E-02  464789.4 3809536.8  1070.0     3.40     4.00
3.16     YES
 L0006671         0   0.42373E-02  464798.0 3809536.8  1070.0     3.40     4.00
3.16     YES
 L0006672         0   0.42373E-02  464806.6 3809536.8  1069.8     3.40     4.00
3.16     YES
 L0006673         0   0.42373E-02  464815.2 3809536.8  1069.5     3.40     4.00
3.16     YES
 L0006674         0   0.42373E-02  464823.8 3809536.8  1069.2     3.40     4.00
3.16     YES
 L0006675         0   0.42373E-02  464832.4 3809536.8  1069.0     3.40     4.00
3.16     YES
 L0006676         0   0.42373E-02  464841.0 3809536.8  1069.0     3.40     4.00
3.16     YES
 L0006677         0   0.42373E-02  464849.6 3809536.7  1069.0     3.40     4.00
3.16     YES
 L0006678         0   0.42373E-02  464858.2 3809536.7  1069.0     3.40     4.00
3.16     YES
 L0006679         0   0.42373E-02  464866.8 3809536.7  1069.0     3.40     4.00
```

3.16   YES
 L0006680   0   0.42373E-02 464875.4 3809536.7 1069.0   3.40   4.00
3.16   YES
 L0006681   0   0.42373E-02 464884.0 3809536.7 1069.0   3.40   4.00
3.16   YES
 L0006682   0   0.42373E-02 464892.6 3809536.7 1069.0   3.40   4.00
3.16   YES
 L0006683   0   0.42373E-02 464901.2 3809536.6 1069.0   3.40   4.00
3.16   YES
 L0006684   0   0.42373E-02 464903.4 3809544.4 1068.7   3.40   4.00
3.16   YES
 L0006685   0   0.42373E-02 464904.9 3809552.9 1068.4   3.40   4.00
3.16   YES
 L0006686   0   0.42373E-02 464906.5 3809561.4 1068.1   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

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SZ   SOURCE SCALAR VARY
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(METERS)   BY
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 L0006687   0   0.42373E-02 464908.1 3809569.8 1068.0   3.40   4.00
3.16   YES
 L0006688   0   0.42373E-02 464909.6 3809578.3 1068.0   3.40   4.00
3.16   YES
 L0006689   0   0.42373E-02 464911.2 3809586.7 1068.0   3.40   4.00
3.16   YES
 L0006690   0   0.42373E-02 464912.8 3809595.2 1068.0   3.40   4.00
3.16   YES
 L0006691   0   0.42373E-02 464914.3 3809603.6 1067.7   3.40   4.00
3.16   YES
 L0006692   0   0.42373E-02 464915.9 3809612.1 1067.5   3.40   4.00
3.16   YES
 L0006693   0   0.42373E-02 464920.4 3809619.0 1067.2   3.40   4.00
3.16   YES
 L0006694   0   0.42373E-02 464926.5 3809625.1 1067.0   3.40   4.00

3.16 YES
L0006695 0 0.42373E-02 464932.6 3809631.1 1066.8 3.40 4.00
3.16 YES
L0006696 0 0.42373E-02 464938.7 3809637.2 1066.6 3.40 4.00
3.16 YES
L0006697 0 0.42373E-02 464944.8 3809643.3 1066.4 3.40 4.00
3.16 YES
L0006698 0 0.42373E-02 464950.8 3809649.4 1066.2 3.40 4.00
3.16 YES
L0006699 0 0.42373E-02 464956.9 3809655.5 1066.0 3.40 4.00
3.16 YES
L0006700 0 0.42373E-02 464963.0 3809661.5 1066.0 3.40 4.00
3.16 YES
L0006701 0 0.42373E-02 464969.1 3809667.6 1066.0 3.40 4.00
3.16 YES
L0006702 0 0.42373E-02 464975.4 3809673.2 1066.0 3.40 4.00
3.16 YES
L0006703 0 0.42373E-02 464983.8 3809675.0 1066.0 3.40 4.00
3.16 YES
L0006704 0 0.42373E-02 464992.3 3809676.8 1066.0 3.40 4.00
3.16 YES
L0006705 0 0.42373E-02 465000.7 3809678.6 1066.0 3.40 4.00
3.16 YES
L0006706 0 0.42373E-02 465009.1 3809680.3 1066.0 3.40 4.00
3.16 YES
L0006707 0 0.42373E-02 465017.5 3809682.1 1065.8 3.40 4.00
3.16 YES
L0006708 0 0.42373E-02 465025.9 3809683.9 1065.5 3.40 4.00
3.16 YES
L0006709 0 0.42373E-02 465034.3 3809685.7 1065.2 3.40 4.00
3.16 YES
L0006710 0 0.42373E-02 465042.7 3809687.5 1065.0 3.40 4.00
3.16 YES
L0006711 0 0.42373E-02 465051.2 3809689.3 1065.0 3.40 4.00
3.16 YES
L0006712 0 0.42373E-02 465059.6 3809691.0 1065.0 3.40 4.00
3.16 YES
L0006713 0 0.42373E-02 465068.0 3809692.8 1065.0 3.40 4.00
3.16 YES
L0006714 0 0.42373E-02 465075.3 3809697.0 1064.9 3.40 4.00
3.16 YES
L0006715 0 0.42373E-02 465082.3 3809702.1 1064.8 3.40 4.00
3.16 YES
L0006716 0 0.42373E-02 465089.3 3809707.1 1064.5 3.40 4.00
3.16 YES
L0006717 0 0.42373E-02 465096.2 3809712.1 1064.2 3.40 4.00
3.16 YES
L0006718 0 0.42373E-02 465103.2 3809717.2 1064.0 3.40 4.00
3.16 YES
L0006719 0 0.42373E-02 465110.2 3809722.2 1064.0 3.40 4.00

3.16   YES
 L0006720   0   0.42373E-02 465117.2 3809727.2 1064.0   3.40   4.00
3.16   YES
 L0006721   0   0.42373E-02 465124.1 3809732.3 1064.0   3.40   4.00
3.16   YES
 L0006722   0   0.42373E-02 465131.1 3809737.3 1064.0   3.40   4.00
3.16   YES
 L0006723   0   0.42373E-02 465138.1 3809742.3 1064.0   3.40   4.00
3.16   YES
 L0006724   0   0.42373E-02 465145.0 3809747.4 1064.0   3.40   4.00
3.16   YES
 L0006725   0   0.42373E-02 465152.0 3809752.4 1063.8   3.40   4.00
3.16   YES
 L0006726   0   0.42373E-02 465159.0 3809757.4 1063.6   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

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SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0006727   0   0.42373E-02 465166.0 3809762.5 1063.4   3.40   4.00
3.16   YES
 L0006728   0   0.42373E-02 465172.9 3809767.5 1063.2   3.40   4.00
3.16   YES
 L0006729   0   0.47619E-02 463245.1 3809561.2 1086.0   3.40   4.00
3.16   YES
 L0006730   0   0.47619E-02 463246.0 3809569.7 1086.0   3.40   4.00
3.16   YES
 L0006731   0   0.47619E-02 463246.9 3809578.3 1086.0   3.40   4.00
3.16   YES
 L0006732   0   0.47619E-02 463247.8 3809586.8 1086.0   3.40   4.00
3.16   YES
 L0006733   0   0.47619E-02 463248.7 3809595.4 1086.0   3.40   4.00
3.16   YES
 L0006734   0   0.47619E-02 463249.6 3809603.9 1085.7   3.40   4.00

3.16 YES
L0006735 0 0.47619E-02 463250.5 3809612.5 1085.5 3.40 4.00
3.16 YES
L0006736 0 0.47619E-02 463251.4 3809621.0 1085.2 3.40 4.00
3.16 YES
L0006737 0 0.47619E-02 463252.3 3809629.6 1085.0 3.40 4.00
3.16 YES
L0006738 0 0.47619E-02 463253.2 3809638.1 1084.8 3.40 4.00
3.16 YES
L0006739 0 0.47619E-02 463254.1 3809646.7 1084.7 3.40 4.00
3.16 YES
L0006740 0 0.47619E-02 463255.0 3809655.2 1084.5 3.40 4.00
3.16 YES
L0006741 0 0.47619E-02 463255.9 3809663.8 1084.3 3.40 4.00
3.16 YES
L0006742 0 0.47619E-02 463256.8 3809672.3 1084.2 3.40 4.00
3.16 YES
L0006743 0 0.47619E-02 463257.7 3809680.9 1084.1 3.40 4.00
3.16 YES
L0006744 0 0.47619E-02 463258.6 3809689.4 1084.0 3.40 4.00
3.16 YES
L0006745 0 0.47619E-02 463259.5 3809698.0 1084.0 3.40 4.00
3.16 YES
L0006746 0 0.47619E-02 463260.4 3809706.5 1084.0 3.40 4.00
3.16 YES
L0006747 0 0.47619E-02 463261.3 3809715.1 1084.0 3.40 4.00
3.16 YES
L0006748 0 0.47619E-02 463262.2 3809723.7 1083.7 3.40 4.00
3.16 YES
L0006749 0 0.47619E-02 463263.1 3809732.2 1083.5 3.40 4.00
3.16 YES
L0006750 0 0.47619E-02 463264.1 3809740.8 1083.2 3.40 4.00
3.16 YES
L0006751 0 0.47619E-02 463265.0 3809749.3 1082.9 3.40 4.00
3.16 YES
L0006752 0 0.47619E-02 463265.9 3809757.9 1082.7 3.40 4.00
3.16 YES
L0006753 0 0.47619E-02 463266.8 3809766.4 1082.4 3.40 4.00
3.16 YES
L0006754 0 0.47619E-02 463267.7 3809775.0 1082.1 3.40 4.00
3.16 YES
L0006755 0 0.47619E-02 463268.6 3809783.5 1082.0 3.40 4.00
3.16 YES
L0006756 0 0.47619E-02 463269.5 3809792.1 1082.0 3.40 4.00
3.16 YES
L0006757 0 0.47619E-02 463270.4 3809800.6 1082.0 3.40 4.00
3.16 YES
L0006758 0 0.47619E-02 463271.3 3809809.2 1082.0 3.40 4.00
3.16 YES
L0006759 0 0.47619E-02 463272.2 3809817.7 1082.0 3.40 4.00

3.16   YES
 L0006760   0   0.47619E-02 463273.1 3809826.3 1081.9   3.40   4.00
3.16   YES
 L0006761   0   0.47619E-02 463274.0 3809834.8 1081.9   3.40   4.00
3.16   YES
 L0006762   0   0.47619E-02 463274.9 3809843.4 1081.6   3.40   4.00
3.16   YES
 L0006763   0   0.47619E-02 463275.8 3809851.9 1081.4   3.40   4.00
3.16   YES
 L0006764   0   0.47619E-02 463276.7 3809860.5 1081.1   3.40   4.00
3.16   YES
 L0006765   0   0.47619E-02 463277.6 3809869.0 1081.0   3.40   4.00
3.16   YES
 L0006766   0   0.47619E-02 463278.5 3809877.6 1080.9   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

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SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0006767   0   0.47619E-02 463279.4 3809886.1 1080.8   3.40   4.00
3.16   YES
 L0006768   0   0.47619E-02 463280.3 3809894.7 1080.7   3.40   4.00
3.16   YES
 L0006769   0   0.47619E-02 463281.2 3809903.3 1080.5   3.40   4.00
3.16   YES
 L0006770   0   0.47619E-02 463282.1 3809911.8 1080.3   3.40   4.00
3.16   YES
 L0006771   0   0.47619E-02 463283.0 3809920.4 1080.1   3.40   4.00
3.16   YES
 L0006772   0   0.47619E-02 463284.0 3809928.9 1080.0   3.40   4.00
3.16   YES
 L0006773   0   0.47619E-02 463284.9 3809937.5 1080.0   3.40   4.00
3.16   YES
 L0006774   0   0.47619E-02 463285.8 3809946.0 1080.0   3.40   4.00

3.16 YES
L0006775 0 0.47619E-02 463286.7 3809954.6 1080.0 3.40 4.00
3.16 YES
L0006776 0 0.47619E-02 463287.6 3809963.1 1079.8 3.40 4.00
3.16 YES
L0006777 0 0.47619E-02 463288.5 3809971.7 1079.5 3.40 4.00
3.16 YES
L0006778 0 0.47619E-02 463288.8 3809980.3 1079.2 3.40 4.00
3.16 YES
L0006779 0 0.47619E-02 463288.9 3809988.9 1078.9 3.40 4.00
3.16 YES
L0006780 0 0.47619E-02 463288.9 3809997.5 1078.8 3.40 4.00
3.16 YES
L0006781 0 0.47619E-02 463289.0 3810006.1 1078.6 3.40 4.00
3.16 YES
L0006782 0 0.47619E-02 463289.0 3810014.7 1078.4 3.40 4.00
3.16 YES
L0006783 0 0.47619E-02 463289.1 3810023.3 1078.3 3.40 4.00
3.16 YES
L0006784 0 0.47619E-02 463289.1 3810031.9 1078.2 3.40 4.00
3.16 YES
L0006785 0 0.47619E-02 463289.2 3810040.5 1078.1 3.40 4.00
3.16 YES
L0006786 0 0.47619E-02 463289.2 3810049.1 1077.9 3.40 4.00
3.16 YES
L0006787 0 0.47619E-02 463289.3 3810057.7 1077.8 3.40 4.00
3.16 YES
L0006788 0 0.47619E-02 463289.3 3810066.3 1077.6 3.40 4.00
3.16 YES
L0006789 0 0.47619E-02 463289.4 3810074.9 1077.4 3.40 4.00
3.16 YES
L0006790 0 0.47619E-02 463289.4 3810083.5 1077.3 3.40 4.00
3.16 YES
L0006791 0 0.47619E-02 463289.5 3810092.1 1077.2 3.40 4.00
3.16 YES
L0006792 0 0.47619E-02 463289.5 3810100.7 1077.1 3.40 4.00
3.16 YES
L0006793 0 0.47619E-02 463289.6 3810109.3 1076.9 3.40 4.00
3.16 YES
L0006794 0 0.47619E-02 463289.6 3810117.9 1076.6 3.40 4.00
3.16 YES
L0006795 0 0.47619E-02 463289.7 3810126.5 1076.3 3.40 4.00
3.16 YES
L0006796 0 0.47619E-02 463289.7 3810135.1 1076.0 3.40 4.00
3.16 YES
L0006797 0 0.47619E-02 463289.8 3810143.7 1076.0 3.40 4.00
3.16 YES
L0006798 0 0.47619E-02 463289.8 3810152.3 1076.0 3.40 4.00
3.16 YES
L0006799 0 0.47619E-02 463289.9 3810160.9 1076.0 3.40 4.00

3.16   YES
 L0006800   0   0.47619E-02 463289.9 3810169.5 1075.9   3.40   4.00
3.16   YES
 L0006801   0   0.47619E-02 463290.0 3810178.1 1075.6   3.40   4.00
3.16   YES
 L0006802   0   0.47619E-02 463290.0 3810186.7 1075.3   3.40   4.00
3.16   YES
 L0006803   0   0.47619E-02 463290.1 3810195.2 1075.0   3.40   4.00
3.16   YES
 L0006804   0   0.47619E-02 463290.1 3810203.8 1074.8   3.40   4.00
3.16   YES
 L0006805   0   0.47619E-02 463290.2 3810212.4 1074.6   3.40   4.00
3.16   YES
 L0006806   0   0.47619E-02 463290.2 3810221.0 1074.4   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0006807   0   0.47619E-02 463290.3 3810229.6 1074.3   3.40   4.00
3.16   YES
 L0006808   0   0.47619E-02 463290.3 3810238.2 1074.2   3.40   4.00
3.16   YES
 L0006809   0   0.47619E-02 463290.4 3810246.8 1074.1   3.40   4.00
3.16   YES
 L0006810   0   0.47619E-02 463290.4 3810255.4 1074.0   3.40   4.00
3.16   YES
 L0006811   0   0.47619E-02 463290.5 3810264.0 1073.8   3.40   4.00
3.16   YES
 L0006812   0   0.47619E-02 463290.5 3810272.6 1073.6   3.40   4.00
3.16   YES
 L0006813   0   0.47619E-02 463290.6 3810281.2 1073.4   3.40   4.00
3.16   YES
 L0006814   0   0.47619E-02 463290.6 3810289.8 1073.3   3.40   4.00

3.16 YES
L0006815 0 0.47619E-02 463290.7 3810298.4 1073.2 3.40 4.00
3.16 YES
L0006816 0 0.47619E-02 463290.7 3810307.0 1073.1 3.40 4.00
3.16 YES
L0006817 0 0.47619E-02 463290.8 3810315.6 1073.0 3.40 4.00
3.16 YES
L0006818 0 0.47619E-02 463290.8 3810324.2 1072.7 3.40 4.00
3.16 YES
L0006819 0 0.47619E-02 463290.9 3810332.8 1072.4 3.40 4.00
3.16 YES
L0006820 0 0.47619E-02 463290.9 3810341.4 1072.1 3.40 4.00
3.16 YES
L0006821 0 0.47619E-02 463291.0 3810350.0 1072.0 3.40 4.00
3.16 YES
L0006822 0 0.47619E-02 463291.0 3810358.6 1072.0 3.40 4.00
3.16 YES
L0006823 0 0.47619E-02 463291.1 3810367.2 1072.0 3.40 4.00
3.16 YES
L0006824 0 0.47619E-02 463291.1 3810375.8 1072.0 3.40 4.00
3.16 YES
L0006825 0 0.47619E-02 463291.1 3810384.4 1072.0 3.40 4.00
3.16 YES
L0006826 0 0.47619E-02 463291.2 3810393.0 1072.0 3.40 4.00
3.16 YES
L0006827 0 0.47619E-02 463291.2 3810401.6 1072.0 3.40 4.00
3.16 YES
L0006828 0 0.47619E-02 463291.3 3810410.2 1071.9 3.40 4.00
3.16 YES
L0006829 0 0.47619E-02 463291.3 3810418.8 1071.6 3.40 4.00
3.16 YES
L0006830 0 0.47619E-02 463291.4 3810427.4 1071.3 3.40 4.00
3.16 YES
L0006831 0 0.47619E-02 463291.4 3810436.0 1071.0 3.40 4.00
3.16 YES
L0006832 0 0.47619E-02 463291.5 3810444.6 1071.0 3.40 4.00
3.16 YES
L0006833 0 0.47619E-02 463291.5 3810453.2 1071.0 3.40 4.00
3.16 YES
L0006834 0 0.47619E-02 463291.6 3810461.8 1071.0 3.40 4.00
3.16 YES
L0006835 0 0.47619E-02 463291.6 3810470.4 1070.9 3.40 4.00
3.16 YES
L0006836 0 0.47619E-02 463291.7 3810479.0 1070.7 3.40 4.00
3.16 YES
L0006837 0 0.47619E-02 463291.7 3810487.6 1070.5 3.40 4.00
3.16 YES
L0006838 0 0.47619E-02 463291.8 3810496.2 1070.3 3.40 4.00
3.16 YES
L0006839 0 0.47619E-02 463291.8 3810504.8 1070.2 3.40 4.00

3.16   YES
 L0006840   0   0.47619E-02 463291.9 3810513.4 1070.1   3.40   4.00
3.16   YES
 L0006841   0   0.47619E-02 463291.9 3810522.0 1070.0   3.40   4.00
3.16   YES
 L0006842   0   0.47619E-02 463292.0 3810530.6 1070.0   3.40   4.00
3.16   YES
 L0006843   0   0.47619E-02 463292.0 3810539.2 1070.0   3.40   4.00
3.16   YES
 L0006844   0   0.47619E-02 463292.1 3810547.8 1070.0   3.40   4.00
3.16   YES
 L0006845   0   0.47619E-02 463292.1 3810556.4 1070.0   3.40   4.00
3.16   YES
 L0006846   0   0.47619E-02 463292.2 3810565.0 1069.7   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0006847   0   0.47619E-02 463292.2 3810573.6 1069.4   3.40   4.00
3.16   YES
 L0006848   0   0.47619E-02 463292.3 3810582.2 1069.1   3.40   4.00
3.16   YES
 L0006849   0   0.47619E-02 463292.3 3810590.8 1069.0   3.40   4.00
3.16   YES
 L0006850   0   0.47619E-02 463292.4 3810599.4 1069.0   3.40   4.00
3.16   YES
 L0006851   0   0.47619E-02 463292.4 3810608.0 1069.0   3.40   4.00
3.16   YES
 L0006852   0   0.47619E-02 463292.5 3810616.6 1069.0   3.40   4.00
3.16   YES
 L0006853   0   0.47619E-02 463292.5 3810625.2 1068.7   3.40   4.00
3.16   YES
 L0006854   0   0.47619E-02 463292.6 3810633.8 1068.4   3.40   4.00

3.16 YES
L0006855 0 0.47619E-02 463292.6 3810642.4 1068.1 3.40 4.00
3.16 YES
L0006856 0 0.47619E-02 463292.7 3810651.0 1068.0 3.40 4.00
3.16 YES
L0006857 0 0.47619E-02 463292.7 3810659.6 1068.0 3.40 4.00
3.16 YES
L0006858 0 0.47619E-02 463292.8 3810668.2 1068.0 3.40 4.00
3.16 YES
L0006859 0 0.47619E-02 463292.8 3810676.8 1068.0 3.40 4.00
3.16 YES
L0006860 0 0.47619E-02 463292.9 3810685.4 1067.8 3.40 4.00
3.16 YES
L0006861 0 0.47619E-02 463292.9 3810694.0 1067.5 3.40 4.00
3.16 YES
L0006862 0 0.47619E-02 463293.0 3810702.6 1067.3 3.40 4.00
3.16 YES
L0006863 0 0.47619E-02 463293.0 3810711.2 1067.2 3.40 4.00
3.16 YES
L0006864 0 0.47619E-02 463293.1 3810719.8 1067.1 3.40 4.00
3.16 YES
L0006865 0 0.47619E-02 463293.1 3810728.4 1067.1 3.40 4.00
3.16 YES
L0006866 0 0.47619E-02 463293.2 3810737.0 1067.0 3.40 4.00
3.16 YES
L0006867 0 0.47619E-02 463293.2 3810745.6 1066.8 3.40 4.00
3.16 YES
L0006868 0 0.47619E-02 463293.3 3810754.2 1066.5 3.40 4.00
3.16 YES
L0006869 0 0.47619E-02 463293.3 3810762.8 1066.3 3.40 4.00
3.16 YES
L0006870 0 0.47619E-02 463293.4 3810771.4 1066.2 3.40 4.00
3.16 YES
L0006871 0 0.47619E-02 463293.4 3810780.0 1066.1 3.40 4.00
3.16 YES
L0006872 0 0.47619E-02 463293.5 3810788.6 1066.0 3.40 4.00
3.16 YES
L0006873 0 0.47619E-02 463293.5 3810797.2 1066.0 3.40 4.00
3.16 YES
L0006874 0 0.47619E-02 463293.6 3810805.8 1066.0 3.40 4.00
3.16 YES
L0006875 0 0.47619E-02 463293.6 3810814.4 1066.0 3.40 4.00
3.16 YES
L0006876 0 0.47619E-02 463293.7 3810823.0 1066.0 3.40 4.00
3.16 YES
L0006877 0 0.47619E-02 463293.7 3810831.6 1065.8 3.40 4.00
3.16 YES
L0006878 0 0.47619E-02 463293.8 3810840.2 1065.6 3.40 4.00
3.16 YES
L0006879 0 0.47619E-02 463293.8 3810848.8 1065.4 3.40 4.00

3.16   YES
 L0006880   0   0.47619E-02 463293.9 3810857.4 1065.2   3.40   4.00
3.16   YES
 L0006881   0   0.47619E-02 463293.9 3810866.0 1065.1   3.40   4.00
3.16   YES
 L0006882   0   0.47619E-02 463294.0 3810874.6 1065.1   3.40   4.00
3.16   YES
 L0006883   0   0.47619E-02 463294.0 3810883.2 1065.0   3.40   4.00
3.16   YES
 L0006884   0   0.47619E-02 463294.1 3810891.8 1065.0   3.40   4.00
3.16   YES
 L0006885   0   0.47619E-02 463294.1 3810900.4 1065.0   3.40   4.00
3.16   YES
 L0006886   0   0.47619E-02 463294.2 3810909.0 1065.0   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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 L0006887   0   0.47619E-02 463294.2 3810917.6 1065.0   3.40   4.00
3.16   YES
 L0006888   0   0.47619E-02 463294.3 3810926.2 1065.0   3.40   4.00
3.16   YES
 L0006889   0   0.47619E-02 463294.3 3810934.8 1065.0   3.40   4.00
3.16   YES
 L0006890   0   0.47619E-02 463294.4 3810943.4 1065.0   3.40   4.00
3.16   YES
 L0006891   0   0.47619E-02 463294.4 3810952.0 1064.8   3.40   4.00
3.16   YES
 L0006892   0   0.47619E-02 463294.5 3810960.6 1064.6   3.40   4.00
3.16   YES
 L0006893   0   0.47619E-02 463294.5 3810969.2 1064.4   3.40   4.00
3.16   YES
 L0006894   0   0.47619E-02 463294.6 3810977.8 1064.2   3.40   4.00

3.16 YES
L0006895 0 0.47619E-02 463294.6 3810986.4 1064.1 3.40 4.00
3.16 YES
L0006896 0 0.47619E-02 463294.7 3810995.0 1064.1 3.40 4.00
3.16 YES
L0006897 0 0.47619E-02 463294.7 3811003.6 1064.0 3.40 4.00
3.16 YES
L0006898 0 0.47619E-02 463294.8 3811012.2 1064.0 3.40 4.00
3.16 YES
L0006899 0 0.47619E-02 463294.8 3811020.8 1064.0 3.40 4.00
3.16 YES
L0006900 0 0.47619E-02 463294.9 3811029.4 1064.0 3.40 4.00
3.16 YES
L0006901 0 0.47619E-02 463294.9 3811038.0 1063.9 3.40 4.00
3.16 YES
L0006902 0 0.47619E-02 463295.0 3811046.6 1063.7 3.40 4.00
3.16 YES
L0006903 0 0.47619E-02 463295.0 3811055.2 1063.5 3.40 4.00
3.16 YES
L0006904 0 0.47619E-02 463295.1 3811063.8 1063.2 3.40 4.00
3.16 YES
L0006905 0 0.47619E-02 463295.1 3811072.4 1063.1 3.40 4.00
3.16 YES
L0006906 0 0.47619E-02 463295.2 3811081.0 1063.1 3.40 4.00
3.16 YES
L0006907 0 0.47619E-02 463295.2 3811089.6 1063.0 3.40 4.00
3.16 YES
L0006908 0 0.47619E-02 463295.3 3811098.2 1062.9 3.40 4.00
3.16 YES
L0006909 0 0.47619E-02 463295.3 3811106.8 1062.7 3.40 4.00
3.16 YES
L0006910 0 0.47619E-02 463295.4 3811115.4 1062.5 3.40 4.00
3.16 YES
L0006911 0 0.47619E-02 463295.4 3811124.0 1062.2 3.40 4.00
3.16 YES
L0006912 0 0.47619E-02 463295.5 3811132.6 1062.1 3.40 4.00
3.16 YES
L0006913 0 0.47619E-02 463295.5 3811141.2 1062.1 3.40 4.00
3.16 YES
L0006914 0 0.47619E-02 463295.6 3811149.8 1062.0 3.40 4.00
3.16 YES
L0006915 0 0.47619E-02 463295.6 3811158.4 1062.0 3.40 4.00
3.16 YES
L0006916 0 0.47619E-02 463295.7 3811167.0 1062.0 3.40 4.00
3.16 YES
L0006917 0 0.47619E-02 463295.7 3811175.6 1062.0 3.40 4.00
3.16 YES
L0006918 0 0.47619E-02 463295.8 3811184.2 1062.0 3.40 4.00
3.16 YES
L0006919 0 0.47619E-02 463295.8 3811192.8 1061.8 3.40 4.00

3.16   YES
 L0006920   0   0.47619E-02 463295.9 3811201.4 1061.5   3.40   4.00
3.16   YES
 L0006921   0   0.47619E-02 463295.9 3811210.0 1061.3   3.40   4.00
3.16   YES
 L0006922   0   0.47619E-02 463296.0 3811218.6 1061.1   3.40   4.00
3.16   YES
 L0006923   0   0.47619E-02 463296.0 3811227.2 1061.1   3.40   4.00
3.16   YES
 L0006924   0   0.47619E-02 463296.1 3811235.8 1061.0   3.40   4.00
3.16   YES
 L0006925   0   0.47619E-02 463296.1 3811244.4 1061.0   3.40   4.00
3.16   YES
 L0006926   0   0.47619E-02 463296.2 3811253.0 1060.8   3.40   4.00
3.16   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- - - - - - - - - - - - - - - - - - - -

 L0006927   0   0.47619E-02 463296.2 3811261.6 1060.5   3.40   4.00
3.16   YES
 L0006928   0   0.47619E-02 463296.3 3811270.2 1060.3   3.40   4.00
3.16   YES
 L0006929   0   0.47619E-02 463296.3 3811278.8 1060.1   3.40   4.00
3.16   YES
 L0006930   0   0.47619E-02 463296.4 3811287.4 1060.1   3.40   4.00
3.16   YES
 L0006931   0   0.47619E-02 463296.4 3811296.0 1060.0   3.40   4.00
3.16   YES
 L0006932   0   0.47619E-02 463296.5 3811304.6 1060.0   3.40   4.00
3.16   YES
 L0006933   0   0.47619E-02 463296.5 3811313.2 1060.0   3.40   4.00
3.16   YES
 L0006934   0   0.47619E-02 463296.6 3811321.8 1060.0   3.40   4.00

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3.16     YES
 L0006935         0   0.47619E-02  463296.6 3811330.4  1060.0     3.40     4.00
3.16     YES
 L0006936         0   0.47619E-02  463296.7 3811339.0  1059.9     3.40     4.00
3.16     YES
 L0006937         0   0.47619E-02  463296.7 3811347.6  1059.6     3.40     4.00
3.16     YES
 L0006938         0   0.47619E-02  463296.8 3811356.2  1059.4     3.40     4.00
3.16     YES
 L0005936         0   0.13333E-01  463800.0 3808477.6  1099.0     4.00     1.45
1.47     YES
 L0005937         0   0.13333E-01  463803.1 3808477.6  1099.0     4.00     1.45
1.47     YES
 L0005938         0   0.13333E-01  463806.2 3808477.6  1099.0     4.00     1.45
1.47     YES
 L0005939         0   0.13333E-01  463809.4 3808477.6  1099.0     4.00     1.45
1.47     YES
 L0005940         0   0.13333E-01  463812.5 3808477.6  1098.9     4.00     1.45
1.47     YES
 L0005941         0   0.13333E-01  463815.6 3808477.6  1098.9     4.00     1.45
1.47     YES
 L0005942         0   0.13333E-01  463818.7 3808477.6  1098.8     4.00     1.45
1.47     YES
 L0005943         0   0.13333E-01  463821.8 3808477.6  1098.7     4.00     1.45
1.47     YES
 L0005944         0   0.13333E-01  463825.0 3808477.6  1098.6     4.00     1.45
1.47     YES
 L0005945         0   0.13333E-01  463828.1 3808477.6  1098.6     4.00     1.45
1.47     YES
 L0005946         0   0.13333E-01  463831.2 3808477.6  1098.5     4.00     1.45
1.47     YES
 L0005947         0   0.13333E-01  463834.3 3808477.6  1098.4     4.00     1.45
1.47     YES
 L0005948         0   0.13333E-01  463837.4 3808477.6  1098.3     4.00     1.45
1.47     YES
 L0005949         0   0.13333E-01  463840.6 3808477.6  1098.3     4.00     1.45
1.47     YES
 L0005950         0   0.13333E-01  463843.7 3808477.6  1098.3     4.00     1.45
1.47     YES
 L0005951         0   0.13333E-01  463846.8 3808477.6  1098.3     4.00     1.45
1.47     YES
 L0005952         0   0.13333E-01  463849.9 3808477.6  1098.3     4.00     1.45
1.47     YES
 L0005953         0   0.13333E-01  463853.0 3808477.6  1098.3     4.00     1.45
1.47     YES
 L0005954         0   0.13333E-01  463856.2 3808477.6  1098.3     4.00     1.45
1.47     YES
 L0005955         0   0.13333E-01  463859.3 3808477.6  1098.3     4.00     1.45
1.47     YES
 L0005956         0   0.13333E-01  463862.4 3808477.6  1098.3     4.00     1.45
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0005964	0	0.13333E-01	463887.4	3808477.5	1098.1	4.00	1.45	1.47	YES	
L0005965	0	0.13333E-01	463890.5	3808477.5	1098.1	4.00	1.45	1.47	YES	
L0005966	0	0.13333E-01	463893.6	3808477.5	1098.1	4.00	1.45	1.47	YES	
L0005967	0	0.13333E-01	463896.7	3808477.5	1098.0	4.00	1.45	1.47	YES	
L0005968	0	0.13333E-01	463899.8	3808477.5	1098.0	4.00	1.45	1.47	YES	
L0005969	0	0.13333E-01	463903.0	3808477.5	1098.0	4.00	1.45	1.47	YES	
L0005970	0	0.13333E-01	463906.1	3808477.5	1098.0	4.00	1.45	1.47	YES	
L0005971	0	0.13333E-01	463909.2	3808477.5	1098.0	4.00	1.45			

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1.47     YES
 L0005972         0   0.13333E-01  463912.3 3808477.5  1098.0     4.00     1.45
1.47     YES
 L0005973         0   0.13333E-01  463915.4 3808477.5  1098.0     4.00     1.45
1.47     YES
 L0005974         0   0.13333E-01  463918.6 3808477.5  1098.0     4.00     1.45
1.47     YES
 L0005975         0   0.13333E-01  463921.7 3808477.5  1098.0     4.00     1.45
1.47     YES
 L0005976         0   0.13333E-01  463924.8 3808477.5  1098.0     4.00     1.45
1.47     YES
 L0005977         0   0.13333E-01  463927.9 3808477.5  1098.0     4.00     1.45
1.47     YES
 L0005978         0   0.13333E-01  463931.0 3808477.5  1098.0     4.00     1.45
1.47     YES
 L0005979         0   0.13333E-01  463934.2 3808477.5  1097.9     4.00     1.45
1.47     YES
 L0005980         0   0.13333E-01  463937.3 3808477.5  1097.8     4.00     1.45
1.47     YES
 L0005981         0   0.13333E-01  463940.4 3808477.5  1097.8     4.00     1.45
1.47     YES
 L0005982         0   0.13333E-01  463943.5 3808477.5  1097.7     4.00     1.45
1.47     YES
 L0005983         0   0.13333E-01  463946.6 3808477.5  1097.6     4.00     1.45
1.47     YES
 L0005984         0   0.13333E-01  463949.8 3808477.5  1097.5     4.00     1.45
1.47     YES
 L0005985         0   0.13333E-01  463952.9 3808477.5  1097.5     4.00     1.45
1.47     YES
 L0005986         0   0.13333E-01  463956.0 3808477.5  1097.4     4.00     1.45
1.47     YES
 L0005987         0   0.13333E-01  463959.1 3808477.5  1097.3     4.00     1.45
1.47     YES
 L0005988         0   0.13333E-01  463962.2 3808477.5  1097.3     4.00     1.45
1.47     YES
 L0005989         0   0.13333E-01  463965.4 3808477.5  1097.3     4.00     1.45
1.47     YES
 L0005990         0   0.13333E-01  463968.5 3808477.4  1097.3     4.00     1.45
1.47     YES
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1.47     YES
 L0005992         0   0.13333E-01  463974.7 3808477.4  1097.3     4.00     1.45
1.47     YES
 L0005993         0   0.13333E-01  463977.8 3808477.4  1097.3     4.00     1.45
1.47     YES
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1.47     YES
 L0005995         0   0.13333E-01  463984.1 3808477.4  1097.3     4.00     1.45
1.47     YES
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1.47   YES
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1.47   YES
 L0005998   0   0.13333E-01 463993.4 3808477.4 1097.3   4.00   1.45
1.47   YES
 L0005999   0   0.13333E-01 463996.6 3808477.4 1097.3   4.00   1.45
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1.47   YES
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1.47   YES
 L0006002   0   0.13333E-01 464005.9 3808477.4 1097.3   4.00   1.45
1.47   YES
 L0006003   0   0.13333E-01 464009.0 3808477.4 1097.3   4.00   1.45
1.47   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - - -

 L0006004   0   0.13333E-01 464012.2 3808477.4 1097.3   4.00   1.45
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 L0006005   0   0.13333E-01 464015.3 3808477.4 1097.3   4.00   1.45
1.47   YES
 L0006006   0   0.13333E-01 464018.4 3808477.4 1097.3   4.00   1.45
1.47   YES
 L0006007   0   0.13333E-01 464021.5 3808477.4 1097.3   4.00   1.45
1.47   YES
 L0006008   0   0.13333E-01 464024.6 3808477.4 1097.2   4.00   1.45
1.47   YES
 L0006009   0   0.13333E-01 464027.8 3808477.4 1097.2   4.00   1.45
1.47   YES
 L0006010   0   0.13333E-01 464030.9 3808477.4 1097.2   4.00   1.45
1.47   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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L0005997   , L0005998   , L0005999   ,

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↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
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 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                              SOURCE IDs
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE  37
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
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URBAN ID	URBAN POP	SOURCE IDs
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		L0006035 , L0006036 , L0006037 , L0006038 , L0006039 , L0006040 , L0006041 , L0006042 ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES

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URBAN ID	URBAN POP	SOURCE IDs

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L0006399 , L0006400 , L0006401 , L0006402 , L0006403 , L0006404 , L0006405 , L0006406 ,

L0006407 , L0006408 , L0006409 , L0006410 , L0006411 ,
L0006412 , L0006413 , L0006414 ,

L0006415 , L0006416 , L0006417 , L0006418 , L0006419 ,
L0006420 , L0006421 , L0006422 ,

L0006423 , L0006424 , L0006425 , L0006426 , L0006427 ,
L0006428 , L0006429 , L0006430 ,

L0006431 , L0006432 , L0006433 , L0006434 , L0006435 ,
L0006436 , L0006437 , L0006438 ,

L0006439 , L0006440 , L0006441 , L0006442 , L0006443 ,
L0006444 , L0006445 , L0006446 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0006447 , L0006448 , L0006449 , L0006450 , L0006451 ,
L0006452 , L0006453 , L0006454 ,

L0006455 , L0006456 , L0006457 , L0006458 , L0006459 ,
L0006460 , L0006461 , L0006462 ,

L0006463 , L0006464 , L0006465 , L0006466 , L0006467 ,
L0006468 , L0006469 , L0006470 ,

L0006471 , L0006472 , L0006473 , L0006474 , L0006475 ,
L0006476 , L0006477 , L0006478 ,

L0006479 , L0006480 , L0006481 , L0006482 , L0006483 ,
L0006484 , L0006485 , L0006486 ,

L0006487 , L0006488 , L0006489 , L0006490 , L0006491 ,
L0006492 , L0006493 , L0006494 ,

L0006495 , L0006496 , L0006497 , L0006498 , L0006499 ,

L0006500   , L0006501   , L0006502   ,

             L0006503   , L0006504   , L0006505   , L0006506   , L0006507   ,
L0006508   , L0006509   , L0006510   ,

             L0006511   , L0006512   , L0006513   , L0006514   , L0006515   ,
L0006516   , L0006517   , L0006518   ,

             L0006519   , L0006520   , L0006521   , L0006522   , L0006523   ,
L0006524   , L0006525   , L0006526   ,

             L0006527   , L0006528   , L0006529   , L0006530   , L0006531   ,
L0006532   , L0006533   , L0006534   ,

             L0006535   , L0006536   , L0006537   , L0006538   , L0006539   ,
L0006540   , L0006541   , L0006542   ,

             L0006543   , L0006544   , L0006545   , L0006546   , L0006547   ,
L0006548   , L0006549   , L0006550   ,

             L0006551   , L0006552   , L0006553   , L0006554   , L0006555   ,
L0006556   , L0006557   , L0006558   ,

             L0006559   , L0006560   , L0006561   , L0006562   , L0006563   ,
L0006564   , L0006565   , L0006566   ,

             L0006567   , L0006568   , L0006569   , L0006570   , L0006571   ,
L0006572   , L0006573   , L0006574   ,

             L0006575   , L0006576   , L0006577   , L0006578   , L0006579   ,
L0006580   , L0006581   , L0006582   ,

             L0006583   , L0006584   , L0006585   , L0006586   , L0006587   ,
L0006588   , L0006589   , L0006590   ,

             L0006591   , L0006592   , L0006593   , L0006594   , L0006595   ,
L0006596   , L0006597   , L0006598   ,

             L0006599   , L0006600   , L0006601   , L0006602   , L0006603   ,
L0006604   , L0006605   , L0006606   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES

***

URBAN ID	URBAN POP	SOURCE IDs

L0006607 , L0006608 , L0006609 , L0006610 , L0006611 , L0006612 , L0006613 , L0006614 ,

L0006615 , L0006616 , L0006617 , L0006618 , L0006619 , L0006620 , L0006621 , L0006622 ,

L0006623 , L0006624 , L0006625 , L0006626 , L0006627 , L0006628 , L0006629 , L0006630 ,

L0006631 , L0006632 , L0006633 , L0006634 , L0006635 , L0006636 , L0006637 , L0006638 ,

L0006639 , L0006640 , L0006641 , L0006642 , L0006643 , L0006644 , L0006645 , L0006646 ,

L0006647 , L0006648 , L0006649 , L0006650 , L0006651 , L0006652 , L0006653 , L0006654 ,

L0006655 , L0006656 , L0006657 , L0006658 , L0006659 , L0006660 , L0006661 , L0006662 ,

L0006663 , L0006664 , L0006665 , L0006666 , L0006667 , L0006668 , L0006669 , L0006670 ,

L0006671 , L0006672 , L0006673 , L0006674 , L0006675 , L0006676 , L0006677 , L0006678 ,

L0006679 , L0006680 , L0006681 , L0006682 , L0006683 , L0006684 , L0006685 , L0006686 ,

L0006687 , L0006688 , L0006689 , L0006690 , L0006691 , L0006692 , L0006693 , L0006694 ,

L0006695 , L0006696 , L0006697 , L0006698 , L0006699 , L0006700 , L0006701 , L0006702 ,

L0006703 , L0006704 , L0006705 , L0006706 , L0006707 , L0006708 , L0006709 , L0006710 ,

L0006711 , L0006712 , L0006713 , L0006714 , L0006715 , L0006716 , L0006717 , L0006718 ,

L0006719 , L0006720 , L0006721 , L0006722 , L0006723 , L0006724 , L0006725 , L0006726 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0006767 , L0006768 , L0006769 , L0006770 , L0006771 ,
L0006772 , L0006773 , L0006774 ,

L0006775 , L0006776 , L0006777 , L0006778 , L0006779 ,
L0006780 , L0006781 , L0006782 ,

L0006783 , L0006784 , L0006785 , L0006786 , L0006787 ,
L0006788 , L0006789 , L0006790 ,

L0006791 , L0006792 , L0006793 , L0006794 , L0006795 ,
L0006796 , L0006797 , L0006798 ,

L0006799 , L0006800 , L0006801 , L0006802 , L0006803 ,
L0006804 , L0006805 , L0006806 ,

L0006807 , L0006808 , L0006809 , L0006810 , L0006811 ,
L0006812 , L0006813 , L0006814 ,

L0006815 , L0006816 , L0006817 , L0006818 , L0006819 ,

L0006820   , L0006821   , L0006822   ,

             L0006823   , L0006824   , L0006825   , L0006826   , L0006827   ,
L0006828   , L0006829   , L0006830   ,

             L0006831   , L0006832   , L0006833   , L0006834   , L0006835   ,
L0006836   , L0006837   , L0006838   ,

             L0006839   , L0006840   , L0006841   , L0006842   , L0006843   ,
L0006844   , L0006845   , L0006846   ,

             L0006847   , L0006848   , L0006849   , L0006850   , L0006851   ,
L0006852   , L0006853   , L0006854   ,

             L0006855   , L0006856   , L0006857   , L0006858   , L0006859   ,
L0006860   , L0006861   , L0006862   ,

             L0006863   , L0006864   , L0006865   , L0006866   , L0006867   ,
L0006868   , L0006869   , L0006870   ,

             L0006871   , L0006872   , L0006873   , L0006874   , L0006875   ,
L0006876   , L0006877   , L0006878   ,

             L0006879   , L0006880   , L0006881   , L0006882   , L0006883   ,
L0006884   , L0006885   , L0006886   ,

             L0006887   , L0006888   , L0006889   , L0006890   , L0006891   ,
L0006892   , L0006893   , L0006894   ,

             L0006895   , L0006896   , L0006897   , L0006898   , L0006899   ,
L0006900   , L0006901   , L0006902   ,

             L0006903   , L0006904   , L0006905   , L0006906   , L0006907   ,
L0006908   , L0006909   , L0006910   ,

             L0006911   , L0006912   , L0006913   , L0006914   , L0006915   ,
L0006916   , L0006917   , L0006918   ,

             L0006919   , L0006920   , L0006921   , L0006922   , L0006923   ,
L0006924   , L0006925   , L0006926   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES

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URBAN ID	URBAN POP	SOURCE IDs

L0006927 , L0006928 , L0006929 , L0006930 , L0006931 ,
L0006932 , L0006933 , L0006934 ,

L0006935 , L0006936 , L0006937 , L0006938 , L0005936 ,
L0005937 , L0005938 , L0005939 ,

L0005940 , L0005941 , L0005942 , L0005943 , L0005944 ,
L0005945 , L0005946 , L0005947 ,

L0005948 , L0005949 , L0005950 , L0005951 , L0005952 ,
L0005953 , L0005954 , L0005955 ,

L0005956 , L0005957 , L0005958 , L0005959 , L0005960 ,
L0005961 , L0005962 , L0005963 ,

L0005964 , L0005965 , L0005966 , L0005967 , L0005968 ,
L0005969 , L0005970 , L0005971 ,

L0005972 , L0005973 , L0005974 , L0005975 , L0005976 ,
L0005977 , L0005978 , L0005979 ,

L0005980 , L0005981 , L0005982 , L0005983 , L0005984 ,
L0005985 , L0005986 , L0005987 ,

L0005988 , L0005989 , L0005990 , L0005991 , L0005992 ,
L0005993 , L0005994 , L0005995 ,

L0005996 , L0005997 , L0005998 , L0005999 , L0006000 ,
L0006001 , L0006002 , L0006003 ,

L0006004 , L0006005 , L0006006 , L0006007 , L0006008 ,
L0006009 , L0006010 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 462160.5, 3809377.8,    1098.0,    1098.0,       0.0);         ( 462051.5,
3809270.6,    1100.0,    1100.0,       0.0);
     ( 462014.5, 3809029.1,    1104.0,    1104.0,       0.0);         ( 462010.6,
3808855.8,    1107.0,    1107.0,       0.0);
     ( 461936.6, 3808886.9,    1107.0,    1107.0,       0.0);         ( 461936.6,
3808997.9,    1105.4,    1105.4,       0.0);
     ( 461909.3, 3808768.1,    1109.2,    1109.2,       0.0);         ( 461835.3,
3808894.7,    1107.4,    1107.4,       0.0);
     ( 461845.0, 3808996.0,    1106.0,    1106.0,       0.0);         ( 461833.3,
3809114.8,    1104.0,    1104.0,       0.0);
     ( 461843.1, 3809210.2,    1103.0,    1103.0,       0.0);         ( 461810.0,
3809297.9,    1101.9,    1101.9,       0.0);
     ( 461856.7, 3809385.5,    1100.0,    1100.0,       0.0);         ( 461841.1,
3809482.9,    1098.0,    1098.0,       0.0);
     ( 462004.7, 3809379.7,    1099.0,    1099.0,       0.0);         ( 461763.2,
3808793.4,    1110.0,    1110.0,       0.0);
     ( 461753.5, 3808699.9,    1110.0,    1110.0,       0.0);         ( 461835.3,
3808686.3,    1111.0,    1111.0,       0.0);
     ( 461823.6, 3808579.2,    1113.9,    1113.9,       0.0);         ( 461761.3,
3808585.0,    1114.1,    1114.1,       0.0);
     ( 462301.2, 3807807.1,    1122.2,    1122.2,       0.0);         ( 462304.8,
3807868.2,    1121.3,    1121.3,       0.0);
     ( 462216.8, 3807882.5,    1122.1,    1122.1,       0.0);         ( 462116.3,
3807886.1,    1123.0,    1123.0,       0.0);
     ( 462114.5, 3807789.2,    1125.2,    1125.2,       0.0);         ( 462012.2,
3807887.9,    1123.9,    1123.9,       0.0);
     ( 462008.7, 3807975.8,    1122.0,    1122.0,       0.0);         ( 461917.1,
3807972.2,    1123.1,    1123.1,       0.0);
     ( 461922.5, 3808187.6,    1119.0,    1119.0,       0.0);         ( 461908.2,
3808288.1,    1117.6,    1117.6,       0.0);
     ( 461848.9, 3808377.8,    1116.2,    1116.2,       0.0);         ( 461831.0,
3808494.5,    1114.7,    1114.7,       0.0);
     ( 462421.4, 3808394.0,    1110.0,    1110.0,       0.0);         ( 462459.1,
3808501.7,    1108.5,    1108.5,       0.0);
     ( 462437.6, 3808580.6,    1107.6,    1107.6,       0.0);         ( 462654.7,
3809189.0,    1096.6,    1096.6,       0.0);
     ( 462559.5, 3809194.3,    1097.0,    1097.0,       0.0);         ( 465763.9,
3807935.2,    1085.9,    1085.9,       0.0);
     ( 465819.8, 3807935.2,    1085.0,    1085.0,       0.0);         ( 465875.8,
3807935.2,    1084.0,    1084.0,       0.0);
     ( 465931.8, 3807935.2,    1083.1,    1083.1,       0.0);         ( 465987.8,
3807935.2,    1082.1,    1082.1,       0.0);
     ( 466043.8, 3807935.2,    1081.2,    1081.2,       0.0);         ( 466099.7,
3807935.2,    1080.2,    1080.2,       0.0);
     ( 466155.7, 3807935.2,    1079.3,    1079.3,       0.0);         ( 466211.7,
3807935.2,    1078.3,    1078.3,       0.0);
     ( 466267.7, 3807935.2,    1077.4,    1077.4,       0.0);         ( 466323.7,
3807935.2,    1076.2,    1076.2,       0.0);
     ( 466379.6, 3807935.2,    1075.3,    1075.3,       0.0);         ( 466435.6,
3807935.2,    1074.5,    1074.5,       0.0);
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     ( 466491.6, 3807935.2,    1073.6,    1073.6,       0.0);         ( 466547.6,
3807935.2,    1072.0,    1072.0,       0.0);
     ( 466603.6, 3807935.2,    1071.0,    1071.0,       0.0);         ( 466659.5,
3807935.2,    1070.0,    1070.0,       0.0);
     ( 466715.5, 3807935.2,    1069.0,    1069.0,       0.0);         ( 466771.5,
3807935.2,    1068.0,    1068.0,       0.0);
     ( 466827.5, 3807935.2,    1066.6,    1066.6,       0.0);         ( 466883.5,
3807935.2,    1065.5,    1065.5,       0.0);
     ( 465763.9, 3808001.4,    1084.9,    1084.9,       0.0);         ( 465819.8,
3808001.4,    1084.0,    1084.0,       0.0);
     ( 465875.8, 3808001.4,    1083.0,    1083.0,       0.0);         ( 465931.8,
3808001.4,    1082.0,    1082.0,       0.0);
     ( 465987.8, 3808001.4,    1081.4,    1081.4,       0.0);         ( 466043.8,
3808001.4,    1080.1,    1080.1,       0.0);
     ( 466099.7, 3808001.4,    1079.7,    1079.7,       0.0);         ( 466155.7,
3808001.4,    1078.8,    1078.8,       0.0);
     ( 466211.7, 3808001.4,    1078.0,    1078.0,       0.0);         ( 466267.7,
3808001.4,    1077.0,    1077.0,       0.0);
     ( 466323.7, 3808001.4,    1076.0,    1076.0,       0.0);         ( 466379.6,
3808001.4,    1075.0,    1075.0,       0.0);
     ( 466435.6, 3808001.4,    1074.0,    1074.0,       0.0);         ( 466491.6,
3808001.4,    1073.0,    1073.0,       0.0);
     ( 466547.6, 3808001.4,    1071.8,    1071.8,       0.0);         ( 466603.6,
3808001.4,    1070.9,    1070.9,       0.0);
     ( 466659.5, 3808001.4,    1070.0,    1070.0,       0.0);         ( 466715.5,
3808001.4,    1068.3,    1068.3,       0.0);
     ( 466771.5, 3808001.4,    1067.4,    1067.4,       0.0);         ( 466827.5,
3808001.4,    1066.4,    1066.4,       0.0);
     ( 466883.5, 3808001.4,    1065.1,    1065.1,       0.0);         ( 465763.9,
3808067.6,    1084.0,    1084.0,       0.0);
     ( 465819.8, 3808067.6,    1083.0,    1083.0,       0.0);         ( 465875.8,
3808067.6,    1082.1,    1082.1,       0.0);
     ( 465931.8, 3808067.6,    1081.2,    1081.2,       0.0);         ( 465987.8,
3808067.6,    1080.4,    1080.4,       0.0);
     ( 466043.8, 3808067.6,    1079.5,    1079.5,       0.0);         ( 466099.7,
3808067.6,    1078.6,    1078.6,       0.0);
     ( 466155.7, 3808067.6,    1077.8,    1077.8,       0.0);         ( 466211.7,
3808067.6,    1076.9,    1076.9,       0.0);
     ( 466267.7, 3808067.6,    1076.0,    1076.0,       0.0);         ( 466323.7,
3808067.6,    1075.0,    1075.0,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19

                                  PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
```

(METERS)

(466379.6, 3808067.6, 1074.0, 1074.0, 0.0); (466435.6, 3808067.6, 1073.5, 1073.5, 0.0);
(466491.6, 3808067.6, 1072.0, 1072.0, 0.0); (466547.6, 3808067.6, 1071.0, 1071.0, 0.0);
(466603.6, 3808067.6, 1070.0, 1070.0, 0.0); (466659.5, 3808067.6, 1069.0, 1069.0, 0.0);
(466715.5, 3808067.6, 1068.1, 1068.1, 0.0); (466771.5, 3808067.6, 1067.3, 1067.3, 0.0);
(466827.5, 3808067.6, 1066.0, 1066.0, 0.0); (466883.5, 3808067.6, 1064.5, 1064.5, 0.0);
(465763.9, 3808133.8, 1083.0, 1083.0, 0.0); (465819.8, 3808133.8, 1082.0, 1082.0, 0.0);
(465875.8, 3808133.8, 1081.1, 1081.1, 0.0); (465931.8, 3808133.8, 1080.2, 1080.2, 0.0);
(465987.8, 3808133.8, 1079.8, 1079.8, 0.0); (466043.8, 3808133.8, 1078.9, 1078.9, 0.0);
(466099.7, 3808133.8, 1077.9, 1077.9, 0.0); (466155.7, 3808133.8, 1077.0, 1077.0, 0.0);
(466211.7, 3808133.8, 1076.0, 1076.0, 0.0); (466267.7, 3808133.8, 1075.0, 1075.0, 0.0);
(466323.7, 3808133.8, 1074.1, 1074.1, 0.0); (466379.6, 3808133.8, 1073.3, 1073.3, 0.0);
(466435.6, 3808133.8, 1072.5, 1072.5, 0.0); (466491.6, 3808133.8, 1071.6, 1071.6, 0.0);
(466547.6, 3808133.8, 1070.5, 1070.5, 0.0); (466603.6, 3808133.8, 1069.6, 1069.6, 0.0);
(466659.5, 3808133.8, 1068.8, 1068.8, 0.0); (466715.5, 3808133.8, 1067.8, 1067.8, 0.0);
(466771.5, 3808133.8, 1066.3, 1066.3, 0.0); (466827.5, 3808133.8, 1065.4, 1065.4, 0.0);
(466883.5, 3808133.8, 1064.4, 1064.4, 0.0); (465763.9, 3808200.1, 1081.9, 1081.9, 0.0);
(465819.8, 3808200.1, 1081.0, 1081.0, 0.0); (465875.8, 3808200.1, 1080.1, 1080.1, 0.0);
(465931.8, 3808200.1, 1079.7, 1079.7, 0.0); (465987.8, 3808200.1, 1078.7, 1078.7, 0.0);
(466043.8, 3808200.1, 1077.8, 1077.8, 0.0); (466099.7, 3808200.1, 1076.8, 1076.8, 0.0);
(466155.7, 3808200.1, 1075.9, 1075.9, 0.0); (466211.7, 3808200.1, 1075.0, 1075.0, 0.0);
(466267.7, 3808200.1, 1074.0, 1074.0, 0.0); (466323.7, 3808200.1, 1073.6, 1073.6, 0.0);
(466379.6, 3808200.1, 1072.7, 1072.7, 0.0); (466435.6, 3808200.1, 1071.8, 1071.8, 0.0);
(466491.6, 3808200.1, 1070.8, 1070.8, 0.0); (466547.6, 3808200.1, 1069.9, 1069.9, 0.0);
(466603.6, 3808200.1, 1068.9, 1068.9, 0.0); (466659.5, 3808200.1, 1068.0, 1068.0, 0.0);

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     ( 466715.5, 3808200.1,    1067.1,    1067.1,       0.0);         ( 466771.5,
3808200.1,    1066.0,    1066.0,       0.0);
     ( 466827.5, 3808200.1,    1064.7,    1064.7,       0.0);         ( 466883.5,
3808200.1,    1063.8,    1063.8,       0.0);
     ( 465763.9, 3808266.3,    1080.3,    1080.3,       0.0);         ( 465819.8,
3808266.3,    1080.0,    1080.0,       0.0);
     ( 465875.8, 3808266.3,    1079.4,    1079.4,       0.0);         ( 465931.8,
3808266.3,    1078.5,    1078.5,       0.0);
     ( 465987.8, 3808266.3,    1077.6,    1077.6,       0.0);         ( 466043.8,
3808266.3,    1076.7,    1076.7,       0.0);
     ( 466099.7, 3808266.3,    1075.8,    1075.8,       0.0);         ( 466155.7,
3808266.3,    1074.9,    1074.9,       0.0);
     ( 466211.7, 3808266.3,    1074.0,    1074.0,       0.0);         ( 466267.7,
3808266.3,    1073.4,    1073.4,       0.0);
     ( 466323.7, 3808266.3,    1072.5,    1072.5,       0.0);         ( 466379.6,
3808266.3,    1072.0,    1072.0,       0.0);
     ( 466435.6, 3808266.3,    1071.2,    1071.2,       0.0);         ( 466491.6,
3808266.3,    1070.0,    1070.0,       0.0);
     ( 466547.6, 3808266.3,    1069.0,    1069.0,       0.0);         ( 466603.6,
3808266.3,    1068.0,    1068.0,       0.0);
     ( 466659.5, 3808266.3,    1067.3,    1067.3,       0.0);         ( 466715.5,
3808266.3,    1066.1,    1066.1,       0.0);
     ( 466771.5, 3808266.3,    1065.3,    1065.3,       0.0);         ( 466827.5,
3808266.3,    1064.1,    1064.1,       0.0);
     ( 466883.5, 3808266.3,    1063.2,    1063.2,       0.0);         ( 465763.9,
3808332.5,    1079.1,    1079.1,       0.0);
     ( 465819.8, 3808332.5,    1079.1,    1079.1,       0.0);         ( 465875.8,
3808332.5,    1078.2,    1078.2,       0.0);
     ( 465931.8, 3808332.5,    1077.4,    1077.4,       0.0);         ( 465987.8,
3808332.5,    1076.5,    1076.5,       0.0);
     ( 466043.8, 3808332.5,    1075.6,    1075.6,       0.0);         ( 466099.7,
3808332.5,    1074.7,    1074.7,       0.0);
     ( 466155.7, 3808332.5,    1074.0,    1074.0,       0.0);         ( 466211.7,
3808332.5,    1073.1,    1073.1,       0.0);
     ( 466267.7, 3808332.5,    1072.2,    1072.2,       0.0);         ( 466323.7,
3808332.5,    1072.0,    1072.0,       0.0);
     ( 466379.6, 3808332.5,    1071.0,    1071.0,       0.0);         ( 466435.6,
3808332.5,    1070.1,    1070.1,       0.0);
     ( 466491.6, 3808332.5,    1069.1,    1069.1,       0.0);         ( 466547.6,
3808332.5,    1068.1,    1068.1,       0.0);
     ( 466603.6, 3808332.5,    1067.9,    1067.9,       0.0);         ( 466659.5,
3808332.5,    1067.0,    1067.0,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(466827.5, 3808332.5, 1063.5, 1063.5, 0.0); (466883.5, 3808332.5, 1062.5, 1062.5, 0.0);
(465763.9, 3808398.7, 1078.0, 1078.0, 0.0); (465819.8, 3808398.7, 1077.9, 1077.9, 0.0);
(465875.8, 3808398.7, 1077.0, 1077.0, 0.0); (465931.8, 3808398.7, 1076.2, 1076.2, 0.0);
(465987.8, 3808398.7, 1075.4, 1075.4, 0.0); (466043.8, 3808398.7, 1074.5, 1074.5, 0.0);
(466099.7, 3808398.7, 1074.0, 1074.0, 0.0); (466155.7, 3808398.7, 1073.0, 1073.0, 0.0);
(466211.7, 3808398.7, 1072.0, 1072.0, 0.0); (466267.7, 3808398.7, 1071.9, 1071.9, 0.0);
(466323.7, 3808398.7, 1070.9, 1070.9, 0.0); (466379.6, 3808398.7, 1070.0, 1070.0, 0.0);
(466435.6, 3808398.7, 1069.4, 1069.4, 0.0); (466491.6, 3808398.7, 1068.6, 1068.6, 0.0);
(466547.6, 3808398.7, 1067.7, 1067.7, 0.0); (466603.6, 3808398.7, 1066.9, 1066.9, 0.0);
(466659.5, 3808398.7, 1066.0, 1066.0, 0.0); (466715.5, 3808398.7, 1064.9, 1064.9, 0.0);
(466771.5, 3808398.7, 1064.0, 1064.0, 0.0); (466827.5, 3808398.7, 1063.0, 1063.0, 0.0);
(466883.5, 3808398.7, 1062.0, 1062.0, 0.0); (465763.9, 3808464.9, 1077.0, 1077.0, 0.0);
(465819.8, 3808464.9, 1076.7, 1076.7, 0.0); (465875.8, 3808464.9, 1075.8, 1075.8, 0.0);
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(466043.8, 3808464.9, 1073.9, 1073.9, 0.0); (466099.7, 3808464.9, 1072.9, 1072.9, 0.0);
(466155.7, 3808464.9, 1071.9, 1071.9, 0.0); (466211.7, 3808464.9, 1071.0, 1071.0, 0.0);
(466267.7, 3808464.9, 1070.7, 1070.7, 0.0); (466323.7, 3808464.9, 1069.8, 1069.8, 0.0);
(466379.6, 3808464.9, 1069.2, 1069.2, 0.0); (466435.6, 3808464.9, 1068.3, 1068.3, 0.0);
(466491.6, 3808464.9, 1067.9, 1067.9, 0.0); (466547.6, 3808464.9, 1066.9, 1066.9, 0.0);
(466603.6, 3808464.9, 1066.0, 1066.0, 0.0); (466659.5, 3808464.9, 1065.0, 1065.0, 0.0);
(466715.5, 3808464.9, 1064.1, 1064.1, 0.0); (466771.5, 3808464.9, 1063.2, 1063.2, 0.0);
(466827.5, 3808464.9, 1062.3, 1062.3, 0.0); (466883.5, 3808464.9, 1061.4, 1061.4, 0.0);

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     ( 465875.8, 3808531.2,    1074.6,    1074.6,       0.0);         ( 465931.8,
3808531.2,    1073.6,    1073.6,       0.0);
     ( 465987.8, 3808531.2,    1073.2,    1073.2,       0.0);         ( 466043.8,
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     ( 466099.7, 3808531.2,    1071.8,    1071.8,       0.0);         ( 466155.7,
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     ( 466211.7, 3808531.2,    1070.0,    1070.0,       0.0);         ( 466267.7,
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     ( 466323.7, 3808531.2,    1069.0,    1069.0,       0.0);         ( 466379.6,
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     ( 466435.6, 3808531.2,    1067.7,    1067.7,       0.0);         ( 466491.6,
3808531.2,    1066.8,    1066.8,       0.0);
     ( 466547.6, 3808531.2,    1065.9,    1065.9,       0.0);         ( 466603.6,
3808531.2,    1064.9,    1064.9,       0.0);
     ( 466659.5, 3808531.2,    1064.0,    1064.0,       0.0);         ( 466715.5,
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     ( 466771.5, 3808531.2,    1062.1,    1062.1,       0.0);         ( 466827.5,
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     ( 466883.5, 3808531.2,    1060.5,    1060.5,       0.0);         ( 465763.9,
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     ( 465819.8, 3808597.4,    1075.0,    1075.0,       0.0);         ( 465875.8,
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     ( 465931.8, 3808597.4,    1072.5,    1072.5,       0.0);         ( 465987.8,
3808597.4,    1072.0,    1072.0,       0.0);
     ( 466043.8, 3808597.4,    1071.7,    1071.7,       0.0);         ( 466099.7,
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     ( 466155.7, 3808597.4,    1070.0,    1070.0,       0.0);         ( 466211.7,
3808597.4,    1069.3,    1069.3,       0.0);
     ( 466267.7, 3808597.4,    1068.3,    1068.3,       0.0);         ( 466323.7,
3808597.4,    1068.0,    1068.0,       0.0);
     ( 466379.6, 3808597.4,    1067.5,    1067.5,       0.0);         ( 466435.6,
3808597.4,    1066.6,    1066.6,       0.0);
     ( 466491.6, 3808597.4,    1066.0,    1066.0,       0.0);         ( 466547.6,
3808597.4,    1065.2,    1065.2,       0.0);
     ( 466603.6, 3808597.4,    1064.3,    1064.3,       0.0);         ( 466659.5,
3808597.4,    1063.3,    1063.3,       0.0);
     ( 466715.5, 3808597.4,    1062.4,    1062.4,       0.0);         ( 466771.5,
3808597.4,    1061.5,    1061.5,       0.0);
     ( 466827.5, 3808597.4,    1060.6,    1060.6,       0.0);         ( 466883.5,
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 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(465875.8, 3808663.6, 1073.1, 1073.1, 0.0); (465931.8, 3808663.6, 1072.3, 1072.3, 0.0);
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(466099.7, 3808663.6, 1070.0, 1070.0, 0.0); (466155.7, 3808663.6, 1069.1, 1069.1, 0.0);
(466211.7, 3808663.6, 1068.1, 1068.1, 0.0); (466267.7, 3808663.6, 1067.1, 1067.1, 0.0);
(466323.7, 3808663.6, 1067.0, 1067.0, 0.0); (466379.6, 3808663.6, 1066.1, 1066.1, 0.0);
(466435.6, 3808663.6, 1066.0, 1066.0, 0.0); (466491.6, 3808663.6, 1065.0, 1065.0, 0.0);
(466547.6, 3808663.6, 1064.1, 1064.1, 0.0); (466603.6, 3808663.6, 1063.1, 1063.1, 0.0);
(466659.5, 3808663.6, 1062.1, 1062.1, 0.0); (466715.5, 3808663.6, 1061.2, 1061.2, 0.0);
(466771.5, 3808663.6, 1060.3, 1060.3, 0.0); (466827.5, 3808663.6, 1060.0, 1060.0, 0.0);
(466883.5, 3808663.6, 1059.0, 1059.0, 0.0); (465763.9, 3808729.8, 1073.9, 1073.9, 0.0);
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(465931.8, 3808729.8, 1072.0, 1072.0, 0.0); (465987.8, 3808729.8, 1070.9, 1070.9, 0.0);
(466043.8, 3808729.8, 1069.9, 1069.9, 0.0); (466099.7, 3808729.8, 1069.0, 1069.0, 0.0);
(466155.7, 3808729.8, 1068.0, 1068.0, 0.0); (466211.7, 3808729.8, 1067.0, 1067.0, 0.0);
(466267.7, 3808729.8, 1066.1, 1066.1, 0.0); (466323.7, 3808729.8, 1065.9, 1065.9, 0.0);
(466379.6, 3808729.8, 1065.3, 1065.3, 0.0); (466435.6, 3808729.8, 1064.4, 1064.4, 0.0);
(466491.6, 3808729.8, 1064.0, 1064.0, 0.0); (466547.6, 3808729.8, 1063.0, 1063.0, 0.0);
(466603.6, 3808729.8, 1062.0, 1062.0, 0.0); (466659.5, 3808729.8, 1061.9, 1061.9, 0.0);
(466715.5, 3808729.8, 1060.9, 1060.9, 0.0); (466771.5, 3808729.8, 1060.0, 1060.0, 0.0);
(466827.5, 3808729.8, 1059.4, 1059.4, 0.0); (466883.5, 3808729.8, 1058.5, 1058.5, 0.0);
(465763.9, 3808796.0, 1072.7, 1072.7, 0.0); (465819.8, 3808796.0, 1073.7, 1073.7, 0.0);
(465875.8, 3808796.0, 1072.1, 1072.1, 0.0); (465931.8, 3808796.0, 1071.3, 1071.3, 0.0);

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     ( 466099.7, 3808796.0,    1068.5,    1068.5,       0.0);         ( 466155.7,
3808796.0,    1067.5,    1067.5,       0.0);
     ( 466211.7, 3808796.0,    1066.6,    1066.6,       0.0);         ( 466267.7,
3808796.0,    1065.7,    1065.7,       0.0);
     ( 466323.7, 3808796.0,    1065.0,    1065.0,       0.0);         ( 466379.6,
3808796.0,    1064.2,    1064.2,       0.0);
     ( 466435.6, 3808796.0,    1063.8,    1063.8,       0.0);         ( 466491.6,
3808796.0,    1062.9,    1062.9,       0.0);
     ( 466547.6, 3808796.0,    1062.0,    1062.0,       0.0);         ( 466603.6,
3808796.0,    1061.6,    1061.6,       0.0);
     ( 466659.5, 3808796.0,    1060.7,    1060.7,       0.0);         ( 466715.5,
3808796.0,    1060.0,    1060.0,       0.0);
     ( 466771.5, 3808796.0,    1059.2,    1059.2,       0.0);         ( 466827.5,
3808796.0,    1058.3,    1058.3,       0.0);
     ( 466883.5, 3808796.0,    1057.8,    1057.8,       0.0);         ( 465763.9,
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     ( 465819.8, 3808862.3,    1070.9,    1070.9,       0.0);         ( 465875.8,
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     ( 465931.8, 3808862.3,    1070.1,    1070.1,       0.0);         ( 465987.8,
3808862.3,    1069.2,    1069.2,       0.0);
     ( 466043.8, 3808862.3,    1068.2,    1068.2,       0.0);         ( 466099.7,
3808862.3,    1067.7,    1067.7,       0.0);
     ( 466155.7, 3808862.3,    1066.4,    1066.4,       0.0);         ( 466211.7,
3808862.3,    1065.4,    1065.4,       0.0);
     ( 466267.7, 3808862.3,    1065.0,    1065.0,       0.0);         ( 466323.7,
3808862.3,    1064.1,    1064.1,       0.0);
     ( 466379.6, 3808862.3,    1063.5,    1063.5,       0.0);         ( 466435.6,
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     ( 466491.6, 3808862.3,    1062.0,    1062.0,       0.0);         ( 466547.6,
3808862.3,    1061.3,    1061.3,       0.0);
     ( 466603.6, 3808862.3,    1060.4,    1060.4,       0.0);         ( 466659.5,
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     ( 466715.5, 3808862.3,    1059.1,    1059.1,       0.0);         ( 466771.5,
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     ( 466827.5, 3808862.3,    1057.7,    1057.7,       0.0);         ( 466883.5,
3808862.3,    1057.0,    1057.0,       0.0);
     ( 465763.9, 3808928.5,    1067.3,    1067.3,       0.0);         ( 465819.8,
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     ( 465875.8, 3808928.5,    1068.2,    1068.2,       0.0);         ( 465931.8,
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     ( 465987.8, 3808928.5,    1068.1,    1068.1,       0.0);         ( 466043.8,
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 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(466435.6, 3808928.5, 1061.6, 1061.6, 0.0); (466491.6, 3808928.5, 1061.0, 1061.0, 0.0);
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(466659.5, 3808928.5, 1059.0, 1059.0, 0.0); (466715.5, 3808928.5, 1058.4, 1058.4, 0.0);
(466771.5, 3808928.5, 1057.5, 1057.5, 0.0); (466827.5, 3808928.5, 1057.0, 1057.0, 0.0);
(466883.5, 3808928.5, 1056.1, 1056.1, 0.0); (465763.9, 3808994.7, 1066.8, 1066.8, 0.0);
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(465931.8, 3808994.7, 1066.8, 1066.8, 0.0); (465987.8, 3808994.7, 1067.6, 1067.6, 0.0);
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(466155.7, 3808994.7, 1064.8, 1064.8, 0.0); (466211.7, 3808994.7, 1064.0, 1064.0, 0.0);
(466267.7, 3808994.7, 1063.1, 1063.1, 0.0); (466323.7, 3808994.7, 1062.2, 1062.2, 0.0);
(466379.6, 3808994.7, 1061.4, 1061.4, 0.0); (466435.6, 3808994.7, 1060.5, 1060.5, 0.0);
(466491.6, 3808994.7, 1060.0, 1060.0, 0.0); (466547.6, 3808994.7, 1059.8, 1059.8, 0.0);
(466603.6, 3808994.7, 1059.0, 1059.0, 0.0); (466659.5, 3808994.7, 1058.1, 1058.1, 0.0);
(466715.5, 3808994.7, 1058.0, 1058.0, 0.0); (466771.5, 3808994.7, 1057.0, 1057.0, 0.0);
(466827.5, 3808994.7, 1056.0, 1056.0, 0.0); (466883.5, 3808994.7, 1055.6, 1055.6, 0.0);
(465763.9, 3809060.9, 1067.0, 1067.0, 0.0); (465819.8, 3809060.9, 1066.2, 1066.2, 0.0);
(465875.8, 3809060.9, 1066.0, 1066.0, 0.0); (465931.8, 3809060.9, 1066.0, 1066.0, 0.0);
(465987.8, 3809060.9, 1066.0, 1066.0, 0.0); (466043.8, 3809060.9, 1065.9, 1065.9, 0.0);
(466099.7, 3809060.9, 1064.6, 1064.6, 0.0); (466155.7, 3809060.9, 1063.8, 1063.8, 0.0);

(466211.7, 3809060.9, 1062.8, 1062.8, 0.0); (466267.7, 3809060.9, 1062.1, 1062.1, 0.0);
(466323.7, 3809060.9, 1061.2, 1061.2, 0.0); (466379.6, 3809060.9, 1060.3, 1060.3, 0.0);
(466435.6, 3809060.9, 1060.0, 1060.0, 0.0); (466491.6, 3809060.9, 1059.5, 1059.5, 0.0);
(466547.6, 3809060.9, 1058.6, 1058.6, 0.0); (466603.6, 3809060.9, 1058.0, 1058.0, 0.0);
(466659.5, 3809060.9, 1057.8, 1057.8, 0.0); (466715.5, 3809060.9, 1056.9, 1056.9, 0.0);
(466771.5, 3809060.9, 1056.0, 1056.0, 0.0); (466827.5, 3809060.9, 1055.3, 1055.3, 0.0);
(466883.5, 3809060.9, 1054.8, 1054.8, 0.0); (465763.9, 3809127.1, 1068.0, 1068.0, 0.0);
(465819.8, 3809127.1, 1067.4, 1067.4, 0.0); (465875.8, 3809127.1, 1067.0, 1067.0, 0.0);
(465931.8, 3809127.1, 1066.4, 1066.4, 0.0); (465987.8, 3809127.1, 1065.8, 1065.8, 0.0);
(466043.8, 3809127.1, 1064.2, 1064.2, 0.0); (466099.7, 3809127.1, 1062.6, 1062.6, 0.0);
(466155.7, 3809127.1, 1061.6, 1061.6, 0.0); (466211.7, 3809127.1, 1062.0, 1062.0, 0.0);
(466267.7, 3809127.1, 1061.7, 1061.7, 0.0); (466323.7, 3809127.1, 1061.0, 1061.0, 0.0);
(466379.6, 3809127.1, 1060.0, 1060.0, 0.0); (466435.6, 3809127.1, 1059.3, 1059.3, 0.0);
(466491.6, 3809127.1, 1058.6, 1058.6, 0.0); (466547.6, 3809127.1, 1058.0, 1058.0, 0.0);
(466603.6, 3809127.1, 1057.6, 1057.6, 0.0); (466659.5, 3809127.1, 1056.6, 1056.6, 0.0);
(466715.5, 3809127.1, 1056.0, 1056.0, 0.0); (466771.5, 3809127.1, 1055.3, 1055.3, 0.0);
(466827.5, 3809127.1, 1054.4, 1054.4, 0.0); (466883.5, 3809127.1, 1054.0, 1054.0, 0.0);
(465763.9, 3809193.4, 1068.0, 1068.0, 0.0); (465819.8, 3809193.4, 1068.0, 1068.0, 0.0);
(465875.8, 3809193.4, 1067.4, 1067.4, 0.0); (465931.8, 3809193.4, 1066.6, 1066.6, 0.0);
(465987.8, 3809193.4, 1064.8, 1064.8, 0.0); (466043.8, 3809193.4, 1061.7, 1061.7, 0.0);
(466099.7, 3809193.4, 1061.3, 1061.3, 0.0); (466155.7, 3809193.4, 1060.4, 1060.4, 0.0);
(466211.7, 3809193.4, 1060.4, 1060.4, 0.0); (466267.7, 3809193.4, 1060.4, 1060.4, 0.0);
(466323.7, 3809193.4, 1060.1, 1060.1, 0.0); (466379.6, 3809193.4, 1059.6, 1059.6, 0.0);
(466435.6, 3809193.4, 1058.7, 1058.7, 0.0); (466491.6, 3809193.4, 1058.0, 1058.0, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(466547.6, 3809193.4, 1057.3, 1057.3, 0.0); (466603.6, 3809193.4, 1056.9, 1056.9, 0.0);
(466659.5, 3809193.4, 1056.0, 1056.0, 0.0); (466715.5, 3809193.4, 1055.5, 1055.5, 0.0);
(466771.5, 3809193.4, 1054.6, 1054.6, 0.0); (466827.5, 3809193.4, 1054.0, 1054.0, 0.0);
(466883.5, 3809193.4, 1053.2, 1053.2, 0.0); (465763.9, 3809259.6, 1067.2, 1067.2, 0.0);
(465819.8, 3809259.6, 1067.0, 1067.0, 0.0); (465875.8, 3809259.6, 1066.2, 1066.2, 0.0);
(465931.8, 3809259.6, 1065.4, 1065.4, 0.0); (465987.8, 3809259.6, 1063.5, 1063.5, 0.0);
(466043.8, 3809259.6, 1061.5, 1061.5, 0.0); (466099.7, 3809259.6, 1060.0, 1060.0, 0.0);
(466155.7, 3809259.6, 1060.0, 1060.0, 0.0); (466211.7, 3809259.6, 1060.0, 1060.0, 0.0);
(466267.7, 3809259.6, 1060.0, 1060.0, 0.0); (466323.7, 3809259.6, 1059.0, 1059.0, 0.0);
(466379.6, 3809259.6, 1058.5, 1058.5, 0.0); (466435.6, 3809259.6, 1058.0, 1058.0, 0.0);
(466491.6, 3809259.6, 1057.1, 1057.1, 0.0); (466547.6, 3809259.6, 1056.8, 1056.8, 0.0);
(466603.6, 3809259.6, 1056.0, 1056.0, 0.0); (466659.5, 3809259.6, 1055.2, 1055.2, 0.0);
(466715.5, 3809259.6, 1055.0, 1055.0, 0.0); (466771.5, 3809259.6, 1054.1, 1054.1, 0.0);
(466827.5, 3809259.6, 1053.4, 1053.4, 0.0); (466883.5, 3809259.6, 1052.6, 1052.6, 0.0);
(464503.4, 3807141.9, 1112.9, 1112.9, 0.0); (464523.4, 3807141.9, 1112.2, 1112.2, 0.0);
(464543.4, 3807141.9, 1112.0, 1112.0, 0.0); (464563.4, 3807141.9, 1111.9, 1111.9, 0.0);
(464583.4, 3807141.9, 1111.2, 1111.2, 0.0); (464603.4, 3807141.9, 1110.9, 1110.9, 0.0);
(464623.4, 3807141.9, 1110.7, 1110.7, 0.0); (464643.4, 3807141.9, 1110.2, 1110.2, 0.0);
(464663.4, 3807141.9, 1109.9, 1109.9, 0.0); (464683.4, 3807141.9, 1109.7, 1109.7, 0.0);
(464703.4, 3807141.9, 1109.2, 1109.2, 0.0); (464723.4, 3807141.9, 1109.0, 1109.0, 0.0);

```
     ( 464743.4, 3807141.9,    1109.0,    1109.0,       0.0);         ( 464763.4,
3807141.9,    1108.8,    1108.8,       0.0);
     ( 464783.4, 3807141.9,    1108.8,    1108.8,       0.0);         ( 464803.4,
3807141.9,    1108.7,    1108.7,       0.0);
     ( 464823.4, 3807141.9,    1108.2,    1108.2,       0.0);         ( 464843.4,
3807141.9,    1108.0,    1108.0,       0.0);
     ( 464863.4, 3807141.9,    1108.0,    1108.0,       0.0);         ( 464883.4,
3807141.9,    1107.8,    1107.8,       0.0);
     ( 464903.4, 3807141.9,    1107.4,    1107.4,       0.0);         ( 464923.4,
3807141.9,    1107.0,    1107.0,       0.0);
     ( 464503.4, 3807161.9,    1112.9,    1112.9,       0.0);         ( 464523.4,
3807161.9,    1112.2,    1112.2,       0.0);
     ( 464543.4, 3807161.9,    1112.0,    1112.0,       0.0);         ( 464563.4,
3807161.9,    1111.9,    1111.9,       0.0);
     ( 464583.4, 3807161.9,    1111.2,    1111.2,       0.0);         ( 464603.4,
3807161.9,    1110.6,    1110.6,       0.0);
     ( 464623.4, 3807161.9,    1110.1,    1110.1,       0.0);         ( 464643.4,
3807161.9,    1110.0,    1110.0,       0.0);
     ( 464663.4, 3807161.9,    1109.6,    1109.6,       0.0);         ( 464683.4,
3807161.9,    1109.1,    1109.1,       0.0);
     ( 464703.4, 3807161.9,    1109.0,    1109.0,       0.0);         ( 464723.4,
3807161.9,    1109.0,    1109.0,       0.0);
     ( 464743.4, 3807161.9,    1108.9,    1108.9,       0.0);         ( 464763.4,
3807161.9,    1108.3,    1108.3,       0.0);
     ( 464783.4, 3807161.9,    1108.1,    1108.1,       0.0);         ( 464803.4,
3807161.9,    1108.1,    1108.1,       0.0);
     ( 464823.4, 3807161.9,    1108.0,    1108.0,       0.0);         ( 464843.4,
3807161.9,    1108.0,    1108.0,       0.0);
     ( 464863.4, 3807161.9,    1107.9,    1107.9,       0.0);         ( 464883.4,
3807161.9,    1107.3,    1107.3,       0.0);
     ( 464903.4, 3807161.9,    1107.1,    1107.1,       0.0);         ( 464923.4,
3807161.9,    1106.9,    1106.9,       0.0);
     ( 464503.4, 3807181.9,    1112.4,    1112.4,       0.0);         ( 464523.4,
3807181.9,    1112.1,    1112.1,       0.0);
     ( 464543.4, 3807181.9,    1111.8,    1111.8,       0.0);         ( 464563.4,
3807181.9,    1111.4,    1111.4,       0.0);
     ( 464583.4, 3807181.9,    1111.1,    1111.1,       0.0);         ( 464603.4,
3807181.9,    1110.5,    1110.5,       0.0);
     ( 464623.4, 3807181.9,    1110.0,    1110.0,       0.0);         ( 464643.4,
3807181.9,    1110.0,    1110.0,       0.0);
     ( 464663.4, 3807181.9,    1109.5,    1109.5,       0.0);         ( 464683.4,
3807181.9,    1109.0,    1109.0,       0.0);
     ( 464703.4, 3807181.9,    1109.0,    1109.0,       0.0);         ( 464723.4,
3807181.9,    1108.8,    1108.8,       0.0);
     ( 464743.4, 3807181.9,    1108.4,    1108.4,       0.0);         ( 464763.4,
3807181.9,    1108.1,    1108.1,       0.0);
     ( 464783.4, 3807181.9,    1108.0,    1108.0,       0.0);         ( 464803.4,
3807181.9,    1107.9,    1107.9,       0.0);
     ( 464823.4, 3807181.9,    1107.6,    1107.6,       0.0);         ( 464843.4,
3807181.9,    1107.5,    1107.5,       0.0);
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (464863.4, 3807181.9,   1107.4,   1107.4,   0.0);   (464883.4, 3807181.9,   1107.1,   1107.1,   0.0);
     (464903.4, 3807181.9,   1106.8,   1106.8,   0.0);   (464923.4, 3807181.9,   1106.4,   1106.4,   0.0);
     (464503.4, 3807201.9,   1112.0,   1112.0,   0.0);   (464523.4, 3807201.9,   1112.0,   1112.0,   0.0);
     (464543.4, 3807201.9,   1111.5,   1111.5,   0.0);   (464563.4, 3807201.9,   1111.0,   1111.0,   0.0);
     (464583.4, 3807201.9,   1110.8,   1110.8,   0.0);   (464603.4, 3807201.9,   1110.4,   1110.4,   0.0);
     (464623.4, 3807201.9,   1110.0,   1110.0,   0.0);   (464643.4, 3807201.9,   1109.8,   1109.8,   0.0);
     (464663.4, 3807201.9,   1109.4,   1109.4,   0.0);   (464683.4, 3807201.9,   1109.0,   1109.0,   0.0);
     (464703.4, 3807201.9,   1108.8,   1108.8,   0.0);   (464723.4, 3807201.9,   1108.4,   1108.4,   0.0);
     (464743.4, 3807201.9,   1108.0,   1108.0,   0.0);   (464763.4, 3807201.9,   1108.0,   1108.0,   0.0);
     (464783.4, 3807201.9,   1107.9,   1107.9,   0.0);   (464803.4, 3807201.9,   1107.7,   1107.7,   0.0);
     (464823.4, 3807201.9,   1107.2,   1107.2,   0.0);   (464843.4, 3807201.9,   1106.9,   1106.9,   0.0);
     (464863.4, 3807201.9,   1106.8,   1106.8,   0.0);   (464883.4, 3807201.9,   1106.8,   1106.8,   0.0);
     (464903.4, 3807201.9,   1106.4,   1106.4,   0.0);   (464923.4, 3807201.9,   1106.0,   1106.0,   0.0);
     (464503.4, 3807221.9,   1112.0,   1112.0,   0.0);   (464523.4, 3807221.9,   1112.0,   1112.0,   0.0);
     (464543.4, 3807221.9,   1111.5,   1111.5,   0.0);   (464563.4, 3807221.9,   1110.9,   1110.9,   0.0);
     (464583.4, 3807221.9,   1110.3,   1110.3,   0.0);   (464603.4, 3807221.9,   1110.1,   1110.1,   0.0);
     (464623.4, 3807221.9,   1109.9,   1109.9,   0.0);   (464643.4, 3807221.9,   1109.3,   1109.3,   0.0);
     (464663.4, 3807221.9,   1109.1,   1109.1,   0.0);   (464683.4, 3807221.9,   1108.9,   1108.9,   0.0);
     (464703.4, 3807221.9,   1108.3,   1108.3,   0.0);   (464723.4, 3807221.9,   1108.1,   1108.1,   0.0);

```
     ( 464743.4, 3807221.9,    1108.0,    1108.0,       0.0);         ( 464763.4,
3807221.9,    1108.0,    1108.0,       0.0);
     ( 464783.4, 3807221.9,    1107.6,    1107.6,       0.0);         ( 464803.4,
3807221.9,    1107.1,    1107.1,       0.0);
     ( 464823.4, 3807221.9,    1107.0,    1107.0,       0.0);         ( 464843.4,
3807221.9,    1106.6,    1106.6,       0.0);
     ( 464863.4, 3807221.9,    1106.1,    1106.1,       0.0);         ( 464883.4,
3807221.9,    1106.1,    1106.1,       0.0);
     ( 464903.4, 3807221.9,    1106.1,    1106.1,       0.0);         ( 464923.4,
3807221.9,    1105.9,    1105.9,       0.0);
     ( 464503.4, 3807241.9,    1111.9,    1111.9,       0.0);         ( 464523.4,
3807241.9,    1111.6,    1111.6,       0.0);
     ( 464543.4, 3807241.9,    1111.3,    1111.3,       0.0);         ( 464563.4,
3807241.9,    1110.9,    1110.9,       0.0);
     ( 464583.4, 3807241.9,    1110.2,    1110.2,       0.0);         ( 464603.4,
3807241.9,    1110.0,    1110.0,       0.0);
     ( 464623.4, 3807241.9,    1109.9,    1109.9,       0.0);         ( 464643.4,
3807241.9,    1109.2,    1109.2,       0.0);
     ( 464663.4, 3807241.9,    1108.8,    1108.8,       0.0);         ( 464683.4,
3807241.9,    1108.4,    1108.4,       0.0);
     ( 464703.4, 3807241.9,    1108.1,    1108.1,       0.0);         ( 464723.4,
3807241.9,    1108.0,    1108.0,       0.0);
     ( 464743.4, 3807241.9,    1107.9,    1107.9,       0.0);         ( 464763.4,
3807241.9,    1107.6,    1107.6,       0.0);
     ( 464783.4, 3807241.9,    1107.3,    1107.3,       0.0);         ( 464803.4,
3807241.9,    1106.9,    1106.9,       0.0);
     ( 464823.4, 3807241.9,    1106.6,    1106.6,       0.0);         ( 464843.4,
3807241.9,    1106.3,    1106.3,       0.0);
     ( 464863.4, 3807241.9,    1106.0,    1106.0,       0.0);         ( 464883.4,
3807241.9,    1106.0,    1106.0,       0.0);
     ( 464903.4, 3807241.9,    1105.8,    1105.8,       0.0);         ( 464923.4,
3807241.9,    1105.4,    1105.4,       0.0);
     ( 464503.4, 3807261.9,    1111.9,    1111.9,       0.0);         ( 464523.4,
3807261.9,    1111.2,    1111.2,       0.0);
     ( 464543.4, 3807261.9,    1111.0,    1111.0,       0.0);         ( 464563.4,
3807261.9,    1110.9,    1110.9,       0.0);
     ( 464583.4, 3807261.9,    1110.2,    1110.2,       0.0);         ( 464603.4,
3807261.9,    1109.9,    1109.9,       0.0);
     ( 464623.4, 3807261.9,    1109.7,    1109.7,       0.0);         ( 464643.4,
3807261.9,    1109.2,    1109.2,       0.0);
     ( 464663.4, 3807261.9,    1108.5,    1108.5,       0.0);         ( 464683.4,
3807261.9,    1108.0,    1108.0,       0.0);
     ( 464703.4, 3807261.9,    1108.0,    1108.0,       0.0);         ( 464723.4,
3807261.9,    1107.9,    1107.9,       0.0);
     ( 464743.4, 3807261.9,    1107.7,    1107.7,       0.0);         ( 464763.4,
3807261.9,    1107.2,    1107.2,       0.0);
     ( 464783.4, 3807261.9,    1106.9,    1106.9,       0.0);         ( 464803.4,
3807261.9,    1106.7,    1106.7,       0.0);
     ( 464823.4, 3807261.9,    1106.2,    1106.2,       0.0);         ( 464843.4,
3807261.9,    1105.9,    1105.9,       0.0);
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464903.4, 3807261.9, 1105.3, 1105.3, 0.0); (464923.4, 3807261.9, 1104.8, 1104.8, 0.0);
(464503.4, 3807281.9, 1111.9, 1111.9, 0.0); (464523.4, 3807281.9, 1111.2, 1111.2, 0.0);
(464543.4, 3807281.9, 1111.0, 1111.0, 0.0); (464563.4, 3807281.9, 1110.9, 1110.9, 0.0);
(464583.4, 3807281.9, 1110.2, 1110.2, 0.0); (464603.4, 3807281.9, 1109.6, 1109.6, 0.0);
(464623.4, 3807281.9, 1109.1, 1109.1, 0.0); (464643.4, 3807281.9, 1109.0, 1109.0, 0.0);
(464663.4, 3807281.9, 1108.5, 1108.5, 0.0); (464683.4, 3807281.9, 1108.0, 1108.0, 0.0);
(464703.4, 3807281.9, 1108.0, 1108.0, 0.0); (464723.4, 3807281.9, 1107.6, 1107.6, 0.0);
(464743.4, 3807281.9, 1107.1, 1107.1, 0.0); (464763.4, 3807281.9, 1107.0, 1107.0, 0.0);
(464783.4, 3807281.9, 1106.6, 1106.6, 0.0); (464803.4, 3807281.9, 1106.1, 1106.1, 0.0);
(464823.4, 3807281.9, 1106.0, 1106.0, 0.0); (464843.4, 3807281.9, 1105.6, 1105.6, 0.0);
(464863.4, 3807281.9, 1105.1, 1105.1, 0.0); (464883.4, 3807281.9, 1105.1, 1105.1, 0.0);
(464903.4, 3807281.9, 1104.7, 1104.7, 0.0); (464923.4, 3807281.9, 1104.1, 1104.1, 0.0);
(464503.4, 3807301.9, 1111.4, 1111.4, 0.0); (464523.4, 3807301.9, 1111.1, 1111.1, 0.0);
(464543.4, 3807301.9, 1110.8, 1110.8, 0.0); (464563.4, 3807301.9, 1110.4, 1110.4, 0.0);
(464583.4, 3807301.9, 1110.1, 1110.1, 0.0); (464603.4, 3807301.9, 1109.5, 1109.5, 0.0);
(464623.4, 3807301.9, 1109.0, 1109.0, 0.0); (464643.4, 3807301.9, 1109.0, 1109.0, 0.0);
(464663.4, 3807301.9, 1108.5, 1108.5, 0.0); (464683.4, 3807301.9, 1108.0, 1108.0, 0.0);
(464703.4, 3807301.9, 1108.0, 1108.0, 0.0); (464723.4, 3807301.9, 1107.5, 1107.5, 0.0);

```
     ( 464743.4, 3807301.9,    1106.9,    1106.9,       0.0);         ( 464763.4,
3807301.9,    1106.6,    1106.6,       0.0);
     ( 464783.4, 3807301.9,    1106.3,    1106.3,       0.0);         ( 464803.4,
3807301.9,    1106.0,    1106.0,       0.0);
     ( 464823.4, 3807301.9,    1106.0,    1106.0,       0.0);         ( 464843.4,
3807301.9,    1105.5,    1105.5,       0.0);
     ( 464863.4, 3807301.9,    1104.9,    1104.9,       0.0);         ( 464883.4,
3807301.9,    1104.6,    1104.6,       0.0);
     ( 464903.4, 3807301.9,    1104.3,    1104.3,       0.0);         ( 464923.4,
3807301.9,    1104.0,    1104.0,       0.0);
     ( 464503.4, 3807321.9,    1111.0,    1111.0,       0.0);         ( 464523.4,
3807321.9,    1111.0,    1111.0,       0.0);
     ( 464543.4, 3807321.9,    1110.5,    1110.5,       0.0);         ( 464563.4,
3807321.9,    1110.0,    1110.0,       0.0);
     ( 464583.4, 3807321.9,    1110.0,    1110.0,       0.0);         ( 464603.4,
3807321.9,    1109.5,    1109.5,       0.0);
     ( 464623.4, 3807321.9,    1109.0,    1109.0,       0.0);         ( 464643.4,
3807321.9,    1109.0,    1109.0,       0.0);
     ( 464663.4, 3807321.9,    1108.5,    1108.5,       0.0);         ( 464683.4,
3807321.9,    1108.0,    1108.0,       0.0);
     ( 464703.4, 3807321.9,    1107.8,    1107.8,       0.0);         ( 464723.4,
3807321.9,    1107.4,    1107.4,       0.0);
     ( 464743.4, 3807321.9,    1106.9,    1106.9,       0.0);         ( 464763.4,
3807321.9,    1106.2,    1106.2,       0.0);
     ( 464783.4, 3807321.9,    1106.0,    1106.0,       0.0);         ( 464803.4,
3807321.9,    1106.0,    1106.0,       0.0);
     ( 464823.4, 3807321.9,    1105.8,    1105.8,       0.0);         ( 464843.4,
3807321.9,    1105.3,    1105.3,       0.0);
     ( 464863.4, 3807321.9,    1104.7,    1104.7,       0.0);         ( 464883.4,
3807321.9,    1104.2,    1104.2,       0.0);
     ( 464903.4, 3807321.9,    1104.0,    1104.0,       0.0);         ( 464923.4,
3807321.9,    1104.0,    1104.0,       0.0);
     ( 464503.4, 3807341.9,    1111.0,    1111.0,       0.0);         ( 464523.4,
3807341.9,    1111.0,    1111.0,       0.0);
     ( 464543.4, 3807341.9,    1110.5,    1110.5,       0.0);         ( 464563.4,
3807341.9,    1110.0,    1110.0,       0.0);
     ( 464583.4, 3807341.9,    1110.0,    1110.0,       0.0);         ( 464603.4,
3807341.9,    1109.5,    1109.5,       0.0);
     ( 464623.4, 3807341.9,    1109.0,    1109.0,       0.0);         ( 464643.4,
3807341.9,    1109.0,    1109.0,       0.0);
     ( 464663.4, 3807341.9,    1108.5,    1108.5,       0.0);         ( 464683.4,
3807341.9,    1107.9,    1107.9,       0.0);
     ( 464703.4, 3807341.9,    1107.3,    1107.3,       0.0);         ( 464723.4,
3807341.9,    1107.1,    1107.1,       0.0);
     ( 464743.4, 3807341.9,    1106.9,    1106.9,       0.0);         ( 464763.4,
3807341.9,    1106.2,    1106.2,       0.0);
     ( 464783.4, 3807341.9,    1106.0,    1106.0,       0.0);         ( 464803.4,
3807341.9,    1105.9,    1105.9,       0.0);
     ( 464823.4, 3807341.9,    1105.3,    1105.3,       0.0);         ( 464843.4,
3807341.9,    1104.7,    1104.7,       0.0);
```

(464863.4, 3807341.9, 1104.1, 1104.1, 0.0); (464883.4, 3807341.9, 1104.0, 1104.0, 0.0);
(464903.4, 3807341.9, 1104.0, 1104.0, 0.0); (464923.4, 3807341.9, 1103.9, 1103.9, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464503.4, 3807361.9, 1110.9, 1110.9, 0.0); (464523.4, 3807361.9, 1110.6, 1110.6, 0.0);
(464543.4, 3807361.9, 1110.3, 1110.3, 0.0); (464563.4, 3807361.9, 1110.0, 1110.0, 0.0);
(464583.4, 3807361.9, 1110.0, 1110.0, 0.0); (464603.4, 3807361.9, 1109.5, 1109.5, 0.0);
(464623.4, 3807361.9, 1108.9, 1108.9, 0.0); (464643.4, 3807361.9, 1108.6, 1108.6, 0.0);
(464663.4, 3807361.9, 1108.3, 1108.3, 0.0); (464683.4, 3807361.9, 1107.9, 1107.9, 0.0);
(464703.4, 3807361.9, 1107.2, 1107.2, 0.0); (464723.4, 3807361.9, 1106.8, 1106.8, 0.0);
(464743.4, 3807361.9, 1106.4, 1106.4, 0.0); (464763.4, 3807361.9, 1106.1, 1106.1, 0.0);
(464783.4, 3807361.9, 1105.8, 1105.8, 0.0); (464803.4, 3807361.9, 1105.3, 1105.3, 0.0);
(464823.4, 3807361.9, 1104.7, 1104.7, 0.0); (464843.4, 3807361.9, 1104.3, 1104.3, 0.0);
(464863.4, 3807361.9, 1104.0, 1104.0, 0.0); (464883.4, 3807361.9, 1104.0, 1104.0, 0.0);
(464903.4, 3807361.9, 1103.8, 1103.8, 0.0); (464923.4, 3807361.9, 1103.4, 1103.4, 0.0);
(464503.4, 3807381.9, 1110.7, 1110.7, 0.0); (464523.4, 3807381.9, 1110.2, 1110.2, 0.0);
(464543.4, 3807381.9, 1110.0, 1110.0, 0.0); (464563.4, 3807381.9, 1110.0, 1110.0, 0.0);
(464583.4, 3807381.9, 1109.8, 1109.8, 0.0); (464603.4, 3807381.9, 1109.4, 1109.4, 0.0);
(464623.4, 3807381.9, 1108.9, 1108.9, 0.0); (464643.4, 3807381.9, 1108.2, 1108.2, 0.0);
(464663.4, 3807381.9, 1107.9, 1107.9, 0.0); (464683.4, 3807381.9, 1107.7, 1107.7, 0.0);
(464703.4, 3807381.9, 1107.2, 1107.2, 0.0); (464723.4, 3807381.9, 1106.5, 1106.5, 0.0);

```
     ( 464743.4, 3807381.9,    1106.0,    1106.0,       0.0);         ( 464763.4,
3807381.9,    1105.8,    1105.8,       0.0);
     ( 464783.4, 3807381.9,    1105.4,    1105.4,       0.0);         ( 464803.4,
3807381.9,    1104.9,    1104.9,       0.0);
     ( 464823.4, 3807381.9,    1104.2,    1104.2,       0.0);         ( 464843.4,
3807381.9,    1104.0,    1104.0,       0.0);
     ( 464863.4, 3807381.9,    1104.0,    1104.0,       0.0);         ( 464883.4,
3807381.9,    1103.8,    1103.8,       0.0);
     ( 464903.4, 3807381.9,    1103.4,    1103.4,       0.0);         ( 464923.4,
3807381.9,    1103.0,    1103.0,       0.0);
     ( 464503.4, 3807401.9,    1110.1,    1110.1,       0.0);         ( 464523.4,
3807401.9,    1110.0,    1110.0,       0.0);
     ( 464543.4, 3807401.9,    1110.0,    1110.0,       0.0);         ( 464563.4,
3807401.9,    1109.9,    1109.9,       0.0);
     ( 464583.4, 3807401.9,    1109.3,    1109.3,       0.0);         ( 464603.4,
3807401.9,    1109.1,    1109.1,       0.0);
     ( 464623.4, 3807401.9,    1108.9,    1108.9,       0.0);         ( 464643.4,
3807401.9,    1108.2,    1108.2,       0.0);
     ( 464663.4, 3807401.9,    1107.6,    1107.6,       0.0);         ( 464683.4,
3807401.9,    1107.1,    1107.1,       0.0);
     ( 464703.4, 3807401.9,    1107.0,    1107.0,       0.0);         ( 464723.4,
3807401.9,    1106.5,    1106.5,       0.0);
     ( 464743.4, 3807401.9,    1105.9,    1105.9,       0.0);         ( 464763.4,
3807401.9,    1105.3,    1105.3,       0.0);
     ( 464783.4, 3807401.9,    1105.1,    1105.1,       0.0);         ( 464803.4,
3807401.9,    1104.9,    1104.9,       0.0);
     ( 464823.4, 3807401.9,    1104.2,    1104.2,       0.0);         ( 464843.4,
3807401.9,    1104.0,    1104.0,       0.0);
     ( 464863.4, 3807401.9,    1103.9,    1103.9,       0.0);         ( 464883.4,
3807401.9,    1103.3,    1103.3,       0.0);
     ( 464903.4, 3807401.9,    1103.1,    1103.1,       0.0);         ( 464923.4,
3807401.9,    1102.9,    1102.9,       0.0);
     ( 464503.4, 3807421.9,    1110.0,    1110.0,       0.0);         ( 464523.4,
3807421.9,    1110.0,    1110.0,       0.0);
     ( 464543.4, 3807421.9,    1109.8,    1109.8,       0.0);         ( 464563.4,
3807421.9,    1109.4,    1109.4,       0.0);
     ( 464583.4, 3807421.9,    1109.1,    1109.1,       0.0);         ( 464603.4,
3807421.9,    1108.8,    1108.8,       0.0);
     ( 464623.4, 3807421.9,    1108.4,    1108.4,       0.0);         ( 464643.4,
3807421.9,    1108.1,    1108.1,       0.0);
     ( 464663.4, 3807421.9,    1107.5,    1107.5,       0.0);         ( 464683.4,
3807421.9,    1106.9,    1106.9,       0.0);
     ( 464703.4, 3807421.9,    1106.6,    1106.6,       0.0);         ( 464723.4,
3807421.9,    1106.3,    1106.3,       0.0);
     ( 464743.4, 3807421.9,    1105.9,    1105.9,       0.0);         ( 464763.4,
3807421.9,    1105.2,    1105.2,       0.0);
     ( 464783.4, 3807421.9,    1104.8,    1104.8,       0.0);         ( 464803.4,
3807421.9,    1104.4,    1104.4,       0.0);
     ( 464823.4, 3807421.9,    1104.1,    1104.1,       0.0);         ( 464843.4,
3807421.9,    1103.8,    1103.8,       0.0);
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464543.4, 3807441.9, 1109.4, 1109.4, 0.0); (464563.4, 3807441.9, 1109.0, 1109.0, 0.0);
(464583.4, 3807441.9, 1108.8, 1108.8, 0.0); (464603.4, 3807441.9, 1108.4, 1108.4, 0.0);
(464623.4, 3807441.9, 1108.0, 1108.0, 0.0); (464643.4, 3807441.9, 1107.8, 1107.8, 0.0);
(464663.4, 3807441.9, 1107.4, 1107.4, 0.0); (464683.4, 3807441.9, 1106.9, 1106.9, 0.0);
(464703.4, 3807441.9, 1106.2, 1106.2, 0.0); (464723.4, 3807441.9, 1105.9, 1105.9, 0.0);
(464743.4, 3807441.9, 1105.7, 1105.7, 0.0); (464763.4, 3807441.9, 1105.2, 1105.2, 0.0);
(464783.4, 3807441.9, 1104.5, 1104.5, 0.0); (464803.4, 3807441.9, 1104.0, 1104.0, 0.0);
(464823.4, 3807441.9, 1104.0, 1104.0, 0.0); (464843.4, 3807441.9, 1103.5, 1103.5, 0.0);
(464863.4, 3807441.9, 1103.0, 1103.0, 0.0); (464883.4, 3807441.9, 1103.0, 1103.0, 0.0);
(464903.4, 3807441.9, 1102.5, 1102.5, 0.0); (464923.4, 3807441.9, 1102.0, 1102.0, 0.0);
(464503.4, 3807461.9, 1109.9, 1109.9, 0.0); (464523.4, 3807461.9, 1109.3, 1109.3, 0.0);
(464543.4, 3807461.9, 1109.1, 1109.1, 0.0); (464563.4, 3807461.9, 1108.9, 1108.9, 0.0);
(464583.4, 3807461.9, 1108.3, 1108.3, 0.0); (464603.4, 3807461.9, 1108.1, 1108.1, 0.0);
(464623.4, 3807461.9, 1107.9, 1107.9, 0.0); (464643.4, 3807461.9, 1107.3, 1107.3, 0.0);
(464663.4, 3807461.9, 1107.1, 1107.1, 0.0); (464683.4, 3807461.9, 1106.9, 1106.9, 0.0);
(464703.4, 3807461.9, 1106.2, 1106.2, 0.0); (464723.4, 3807461.9, 1105.6, 1105.6, 0.0);

```
     ( 464743.4, 3807461.9,    1105.1,    1105.1,       0.0);         ( 464763.4,
3807461.9,    1105.0,    1105.0,       0.0);
     ( 464783.4, 3807461.9,    1104.5,    1104.5,       0.0);         ( 464803.4,
3807461.9,    1104.0,    1104.0,       0.0);
     ( 464823.4, 3807461.9,    1104.0,    1104.0,       0.0);         ( 464843.4,
3807461.9,    1103.5,    1103.5,       0.0);
     ( 464863.4, 3807461.9,    1103.0,    1103.0,       0.0);         ( 464883.4,
3807461.9,    1103.0,    1103.0,       0.0);
     ( 464903.4, 3807461.9,    1102.5,    1102.5,       0.0);         ( 464923.4,
3807461.9,    1102.0,    1102.0,       0.0);
     ( 464503.4, 3807481.9,    1109.9,    1109.9,       0.0);         ( 464523.4,
3807481.9,    1109.2,    1109.2,       0.0);
     ( 464543.4, 3807481.9,    1108.8,    1108.8,       0.0);         ( 464563.4,
3807481.9,    1108.4,    1108.4,       0.0);
     ( 464583.4, 3807481.9,    1108.1,    1108.1,       0.0);         ( 464603.4,
3807481.9,    1107.8,    1107.8,       0.0);
     ( 464623.4, 3807481.9,    1107.4,    1107.4,       0.0);         ( 464643.4,
3807481.9,    1107.1,    1107.1,       0.0);
     ( 464663.4, 3807481.9,    1106.8,    1106.8,       0.0);         ( 464683.4,
3807481.9,    1106.4,    1106.4,       0.0);
     ( 464703.4, 3807481.9,    1106.1,    1106.1,       0.0);         ( 464723.4,
3807481.9,    1105.5,    1105.5,       0.0);
     ( 464743.4, 3807481.9,    1105.0,    1105.0,       0.0);         ( 464763.4,
3807481.9,    1105.0,    1105.0,       0.0);
     ( 464783.4, 3807481.9,    1104.5,    1104.5,       0.0);         ( 464803.4,
3807481.9,    1104.0,    1104.0,       0.0);
     ( 464823.4, 3807481.9,    1104.0,    1104.0,       0.0);         ( 464843.4,
3807481.9,    1103.5,    1103.5,       0.0);
     ( 464863.4, 3807481.9,    1102.9,    1102.9,       0.0);         ( 464883.4,
3807481.9,    1102.6,    1102.6,       0.0);
     ( 464903.4, 3807481.9,    1102.3,    1102.3,       0.0);         ( 464923.4,
3807481.9,    1101.9,    1101.9,       0.0);
     ( 464503.4, 3807501.9,    1109.7,    1109.7,       0.0);         ( 464523.4,
3807501.9,    1109.0,    1109.0,       0.0);
     ( 464543.4, 3807501.9,    1108.4,    1108.4,       0.0);         ( 464563.4,
3807501.9,    1108.0,    1108.0,       0.0);
     ( 464583.4, 3807501.9,    1107.8,    1107.8,       0.0);         ( 464603.4,
3807501.9,    1107.4,    1107.4,       0.0);
     ( 464623.4, 3807501.9,    1107.0,    1107.0,       0.0);         ( 464643.4,
3807501.9,    1106.8,    1106.8,       0.0);
     ( 464663.4, 3807501.9,    1106.4,    1106.4,       0.0);         ( 464683.4,
3807501.9,    1106.0,    1106.0,       0.0);
     ( 464703.4, 3807501.9,    1105.8,    1105.8,       0.0);         ( 464723.4,
3807501.9,    1105.4,    1105.4,       0.0);
     ( 464743.4, 3807501.9,    1105.0,    1105.0,       0.0);         ( 464763.4,
3807501.9,    1104.8,    1104.8,       0.0);
     ( 464783.4, 3807501.9,    1104.4,    1104.4,       0.0);         ( 464803.4,
3807501.9,    1104.0,    1104.0,       0.0);
     ( 464823.4, 3807501.9,    1103.8,    1103.8,       0.0);         ( 464843.4,
3807501.9,    1103.4,    1103.4,       0.0);
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(464863.4, 3807501.9, 1102.9, 1102.9, 0.0); (464883.4, 3807501.9, 1102.2, 1102.2, 0.0);
(464903.4, 3807501.9, 1102.0, 1102.0, 0.0); (464923.4, 3807501.9, 1101.9, 1101.9, 0.0);
(464503.4, 3807521.9, 1109.0, 1109.0, 0.0); (464523.4, 3807521.9, 1108.3, 1108.3, 0.0);
(464543.4, 3807521.9, 1108.1, 1108.1, 0.0); (464563.4, 3807521.9, 1107.9, 1107.9, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464583.4, 3807521.9, 1107.3, 1107.3, 0.0); (464603.4, 3807521.9, 1107.1, 1107.1, 0.0);
(464623.4, 3807521.9, 1106.9, 1106.9, 0.0); (464643.4, 3807521.9, 1106.3, 1106.3, 0.0);
(464663.4, 3807521.9, 1106.1, 1106.1, 0.0); (464683.4, 3807521.9, 1105.9, 1105.9, 0.0);
(464703.4, 3807521.9, 1105.3, 1105.3, 0.0); (464723.4, 3807521.9, 1105.1, 1105.1, 0.0);
(464743.4, 3807521.9, 1104.9, 1104.9, 0.0); (464763.4, 3807521.9, 1104.3, 1104.3, 0.0);
(464783.4, 3807521.9, 1104.1, 1104.1, 0.0); (464803.4, 3807521.9, 1103.9, 1103.9, 0.0);
(464823.4, 3807521.9, 1103.3, 1103.3, 0.0); (464843.4, 3807521.9, 1103.1, 1103.1, 0.0);
(464863.4, 3807521.9, 1102.9, 1102.9, 0.0); (464883.4, 3807521.9, 1102.2, 1102.2, 0.0);
(464903.4, 3807521.9, 1102.0, 1102.0, 0.0); (464923.4, 3807521.9, 1101.9, 1101.9, 0.0);
(464503.4, 3807541.9, 1108.4, 1108.4, 0.0); (464523.4, 3807541.9, 1108.1, 1108.1, 0.0);
(464543.4, 3807541.9, 1107.8, 1107.8, 0.0); (464563.4, 3807541.9, 1107.4, 1107.4, 0.0);
(464583.4, 3807541.9, 1107.1, 1107.1, 0.0); (464603.4, 3807541.9, 1106.8, 1106.8, 0.0);
(464623.4, 3807541.9, 1106.4, 1106.4, 0.0); (464643.4, 3807541.9, 1106.1, 1106.1, 0.0);
(464663.4, 3807541.9, 1105.8, 1105.8, 0.0); (464683.4, 3807541.9, 1105.4, 1105.4, 0.0);
(464703.4, 3807541.9, 1105.1, 1105.1, 0.0); (464723.4, 3807541.9, 1104.8, 1104.8, 0.0);

```
     ( 464743.4, 3807541.9,    1104.4,    1104.4,       0.0);         ( 464763.4,
3807541.9,    1104.1,    1104.1,       0.0);
     ( 464783.4, 3807541.9,    1104.0,    1104.0,       0.0);         ( 464803.4,
3807541.9,    1103.9,    1103.9,       0.0);
     ( 464823.4, 3807541.9,    1103.2,    1103.2,       0.0);         ( 464843.4,
3807541.9,    1102.8,    1102.8,       0.0);
     ( 464863.4, 3807541.9,    1102.4,    1102.4,       0.0);         ( 464883.4,
3807541.9,    1102.1,    1102.1,       0.0);
     ( 464903.4, 3807541.9,    1101.8,    1101.8,       0.0);         ( 464923.4,
3807541.9,    1101.4,    1101.4,       0.0);
     ( 464503.4, 3807561.9,    1108.0,    1108.0,       0.0);         ( 464523.4,
3807561.9,    1107.8,    1107.8,       0.0);
     ( 464543.4, 3807561.9,    1107.4,    1107.4,       0.0);         ( 464563.4,
3807561.9,    1107.0,    1107.0,       0.0);
     ( 464583.4, 3807561.9,    1106.8,    1106.8,       0.0);         ( 464603.4,
3807561.9,    1106.4,    1106.4,       0.0);
     ( 464623.4, 3807561.9,    1106.0,    1106.0,       0.0);         ( 464643.4,
3807561.9,    1105.8,    1105.8,       0.0);
     ( 464663.4, 3807561.9,    1105.4,    1105.4,       0.0);         ( 464683.4,
3807561.9,    1105.0,    1105.0,       0.0);
     ( 464703.4, 3807561.9,    1104.8,    1104.8,       0.0);         ( 464723.4,
3807561.9,    1104.4,    1104.4,       0.0);
     ( 464743.4, 3807561.9,    1104.0,    1104.0,       0.0);         ( 464763.4,
3807561.9,    1104.0,    1104.0,       0.0);
     ( 464783.4, 3807561.9,    1103.9,    1103.9,       0.0);         ( 464803.4,
3807561.9,    1103.7,    1103.7,       0.0);
     ( 464823.4, 3807561.9,    1103.2,    1103.2,       0.0);         ( 464843.4,
3807561.9,    1102.5,    1102.5,       0.0);
     ( 464863.4, 3807561.9,    1102.0,    1102.0,       0.0);         ( 464883.4,
3807561.9,    1102.0,    1102.0,       0.0);
     ( 464903.4, 3807561.9,    1101.5,    1101.5,       0.0);         ( 464923.4,
3807561.9,    1101.0,    1101.0,       0.0);
     ( 464503.4, 3807581.9,    1107.9,    1107.9,       0.0);         ( 464523.4,
3807581.9,    1107.3,    1107.3,       0.0);
     ( 464543.4, 3807581.9,    1107.1,    1107.1,       0.0);         ( 464563.4,
3807581.9,    1106.9,    1106.9,       0.0);
     ( 464583.4, 3807581.9,    1106.3,    1106.3,       0.0);         ( 464603.4,
3807581.9,    1106.1,    1106.1,       0.0);
     ( 464623.4, 3807581.9,    1105.9,    1105.9,       0.0);         ( 464643.4,
3807581.9,    1105.3,    1105.3,       0.0);
     ( 464663.4, 3807581.9,    1105.1,    1105.1,       0.0);         ( 464683.4,
3807581.9,    1104.9,    1104.9,       0.0);
     ( 464703.4, 3807581.9,    1104.3,    1104.3,       0.0);         ( 464723.4,
3807581.9,    1104.1,    1104.1,       0.0);
     ( 464743.4, 3807581.9,    1104.0,    1104.0,       0.0);         ( 464763.4,
3807581.9,    1104.0,    1104.0,       0.0);
     ( 464783.4, 3807581.9,    1103.6,    1103.6,       0.0);         ( 464803.4,
3807581.9,    1103.1,    1103.1,       0.0);
     ( 464823.4, 3807581.9,    1103.0,    1103.0,       0.0);         ( 464843.4,
3807581.9,    1102.5,    1102.5,       0.0);
```

(464863.4, 3807581.9, 1102.0, 1102.0, 0.0); (464883.4,
3807581.9, 1102.0, 1102.0, 0.0);
(464903.4, 3807581.9, 1101.5, 1101.5, 0.0); (464923.4,
3807581.9, 1100.9, 1100.9, 0.0);
(464503.4, 3807601.9, 1107.3, 1107.3, 0.0); (464523.4,
3807601.9, 1106.7, 1106.7, 0.0);
(464543.4, 3807601.9, 1106.5, 1106.5, 0.0); (464563.4,
3807601.9, 1106.4, 1106.4, 0.0);
(464583.4, 3807601.9, 1106.1, 1106.1, 0.0); (464603.4,
3807601.9, 1105.8, 1105.8, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464623.4, 3807601.9, 1105.4, 1105.4, 0.0); (464643.4,
3807601.9, 1105.1, 1105.1, 0.0);
(464663.4, 3807601.9, 1104.8, 1104.8, 0.0); (464683.4,
3807601.9, 1104.4, 1104.4, 0.0);
(464703.4, 3807601.9, 1104.1, 1104.1, 0.0); (464723.4,
3807601.9, 1104.0, 1104.0, 0.0);
(464743.4, 3807601.9, 1103.9, 1103.9, 0.0); (464763.4,
3807601.9, 1103.6, 1103.6, 0.0);
(464783.4, 3807601.9, 1103.3, 1103.3, 0.0); (464803.4,
3807601.9, 1102.9, 1102.9, 0.0);
(464823.4, 3807601.9, 1102.6, 1102.6, 0.0); (464843.4,
3807601.9, 1102.3, 1102.3, 0.0);
(464863.4, 3807601.9, 1101.9, 1101.9, 0.0); (464883.4,
3807601.9, 1101.6, 1101.6, 0.0);
(464903.4, 3807601.9, 1101.3, 1101.3, 0.0); (464923.4,
3807601.9, 1100.9, 1100.9, 0.0);
(464503.4, 3807621.9, 1106.7, 1106.7, 0.0); (464523.4,
3807621.9, 1106.2, 1106.2, 0.0);
(464543.4, 3807621.9, 1106.0, 1106.0, 0.0); (464563.4,
3807621.9, 1106.0, 1106.0, 0.0);
(464583.4, 3807621.9, 1105.8, 1105.8, 0.0); (464603.4,
3807621.9, 1105.4, 1105.4, 0.0);
(464623.4, 3807621.9, 1105.0, 1105.0, 0.0); (464643.4,
3807621.9, 1104.8, 1104.8, 0.0);
(464663.4, 3807621.9, 1104.4, 1104.4, 0.0); (464683.4,
3807621.9, 1104.0, 1104.0, 0.0);
(464703.4, 3807621.9, 1104.0, 1104.0, 0.0); (464723.4,
3807621.9, 1103.9, 1103.9, 0.0);

```
     ( 464743.4, 3807621.9,    1103.7,    1103.7,       0.0);         ( 464763.4,
3807621.9,    1103.2,    1103.2,       0.0);
     ( 464783.4, 3807621.9,    1102.9,    1102.9,       0.0);         ( 464803.4,
3807621.9,    1102.7,    1102.7,       0.0);
     ( 464823.4, 3807621.9,    1102.2,    1102.2,       0.0);         ( 464843.4,
3807621.9,    1101.9,    1101.9,       0.0);
     ( 464863.4, 3807621.9,    1101.7,    1101.7,       0.0);         ( 464883.4,
3807621.9,    1101.2,    1101.2,       0.0);
     ( 464903.4, 3807621.9,    1100.9,    1100.9,       0.0);         ( 464923.4,
3807621.9,    1100.7,    1100.7,       0.0);
     ( 464503.4, 3807641.9,    1106.1,    1106.1,       0.0);         ( 464523.4,
3807641.9,    1106.0,    1106.0,       0.0);
     ( 464543.4, 3807641.9,    1106.0,    1106.0,       0.0);         ( 464563.4,
3807641.9,    1105.9,    1105.9,       0.0);
     ( 464583.4, 3807641.9,    1105.3,    1105.3,       0.0);         ( 464603.4,
3807641.9,    1105.1,    1105.1,       0.0);
     ( 464623.4, 3807641.9,    1104.9,    1104.9,       0.0);         ( 464643.4,
3807641.9,    1104.3,    1104.3,       0.0);
     ( 464663.4, 3807641.9,    1104.1,    1104.1,       0.0);         ( 464683.4,
3807641.9,    1104.0,    1104.0,       0.0);
     ( 464703.4, 3807641.9,    1104.0,    1104.0,       0.0);         ( 464723.4,
3807641.9,    1103.6,    1103.6,       0.0);
     ( 464743.4, 3807641.9,    1103.1,    1103.1,       0.0);         ( 464763.4,
3807641.9,    1103.0,    1103.0,       0.0);
     ( 464783.4, 3807641.9,    1102.6,    1102.6,       0.0);         ( 464803.4,
3807641.9,    1102.1,    1102.1,       0.0);
     ( 464823.4, 3807641.9,    1102.0,    1102.0,       0.0);         ( 464843.4,
3807641.9,    1101.6,    1101.6,       0.0);
     ( 464863.4, 3807641.9,    1101.1,    1101.1,       0.0);         ( 464883.4,
3807641.9,    1101.0,    1101.0,       0.0);
     ( 464903.4, 3807641.9,    1100.6,    1100.6,       0.0);         ( 464923.4,
3807641.9,    1100.1,    1100.1,       0.0);
     ( 464503.4, 3807661.9,    1105.5,    1105.5,       0.0);         ( 464523.4,
3807661.9,    1105.5,    1105.5,       0.0);
     ( 464543.4, 3807661.9,    1105.5,    1105.5,       0.0);         ( 464563.4,
3807661.9,    1105.4,    1105.4,       0.0);
     ( 464583.4, 3807661.9,    1105.1,    1105.1,       0.0);         ( 464603.4,
3807661.9,    1104.8,    1104.8,       0.0);
     ( 464623.4, 3807661.9,    1104.4,    1104.4,       0.0);         ( 464643.4,
3807661.9,    1104.1,    1104.1,       0.0);
     ( 464663.4, 3807661.9,    1103.8,    1103.8,       0.0);         ( 464683.4,
3807661.9,    1103.5,    1103.5,       0.0);
     ( 464703.4, 3807661.9,    1103.5,    1103.5,       0.0);         ( 464723.4,
3807661.9,    1103.3,    1103.3,       0.0);
     ( 464743.4, 3807661.9,    1102.9,    1102.9,       0.0);         ( 464763.4,
3807661.9,    1102.6,    1102.6,       0.0);
     ( 464783.4, 3807661.9,    1102.3,    1102.3,       0.0);         ( 464803.4,
3807661.9,    1101.9,    1101.9,       0.0);
     ( 464823.4, 3807661.9,    1101.6,    1101.6,       0.0);         ( 464843.4,
3807661.9,    1101.3,    1101.3,       0.0);
```

(464863.4, 3807661.9, 1100.9, 1100.9, 0.0); (464883.4, 3807661.9, 1100.6, 1100.6, 0.0);
(464903.4, 3807661.9, 1100.3, 1100.3, 0.0); (464923.4, 3807661.9, 1099.9, 1099.9, 0.0);
(464503.4, 3807681.9, 1104.8, 1104.8, 0.0); (464523.4, 3807681.9, 1104.8, 1104.8, 0.0);
(464543.4, 3807681.9, 1104.8, 1104.8, 0.0); (464563.4, 3807681.9, 1104.8, 1104.8, 0.0);
(464583.4, 3807681.9, 1104.8, 1104.8, 0.0); (464603.4, 3807681.9, 1104.4, 1104.4, 0.0);
(464623.4, 3807681.9, 1104.0, 1104.0, 0.0); (464643.4, 3807681.9, 1103.8, 1103.8, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464663.4, 3807681.9, 1103.4, 1103.4, 0.0); (464683.4, 3807681.9, 1103.0, 1103.0, 0.0);
(464703.4, 3807681.9, 1102.8, 1102.8, 0.0); (464723.4, 3807681.9, 1102.8, 1102.8, 0.0);
(464743.4, 3807681.9, 1102.7, 1102.7, 0.0); (464763.4, 3807681.9, 1102.2, 1102.2, 0.0);
(464783.4, 3807681.9, 1101.9, 1101.9, 0.0); (464803.4, 3807681.9, 1101.7, 1101.7, 0.0);
(464823.4, 3807681.9, 1101.2, 1101.2, 0.0); (464843.4, 3807681.9, 1100.9, 1100.9, 0.0);
(464863.4, 3807681.9, 1100.7, 1100.7, 0.0); (464883.4, 3807681.9, 1100.2, 1100.2, 0.0);
(464903.4, 3807681.9, 1099.9, 1099.9, 0.0); (464923.4, 3807681.9, 1099.7, 1099.7, 0.0);
(464523.4, 3807701.9, 1104.1, 1104.1, 0.0); (464543.4, 3807701.9, 1104.1, 1104.1, 0.0);
(464563.4, 3807701.9, 1104.1, 1104.1, 0.0); (464583.4, 3807701.9, 1104.1, 1104.1, 0.0);
(464603.4, 3807701.9, 1104.1, 1104.1, 0.0); (464623.4, 3807701.9, 1103.9, 1103.9, 0.0);
(464643.4, 3807701.9, 1103.3, 1103.3, 0.0); (464663.4, 3807701.9, 1103.1, 1103.1, 0.0);
(464683.4, 3807701.9, 1102.9, 1102.9, 0.0); (464703.4, 3807701.9, 1102.3, 1102.3, 0.0);
(464723.4, 3807701.9, 1102.1, 1102.1, 0.0); (464743.4, 3807701.9, 1102.1, 1102.1, 0.0);

```
     ( 464763.4, 3807701.9,    1102.0,    1102.0,       0.0);         ( 464783.4,
3807701.9,    1101.6,    1101.6,       0.0);
     ( 464803.4, 3807701.9,    1101.1,    1101.1,       0.0);         ( 464823.4,
3807701.9,    1101.0,    1101.0,       0.0);
     ( 464843.4, 3807701.9,    1100.6,    1100.6,       0.0);         ( 464863.4,
3807701.9,    1100.1,    1100.1,       0.0);
     ( 464883.4, 3807701.9,    1100.0,    1100.0,       0.0);         ( 464903.4,
3807701.9,    1099.6,    1099.6,       0.0);
     ( 464923.4, 3807701.9,    1099.1,    1099.1,       0.0);         ( 464543.4,
3807721.9,    1103.7,    1103.7,       0.0);
     ( 464563.4, 3807721.9,    1104.0,    1104.0,       0.0);         ( 464583.4,
3807721.9,    1104.0,    1104.0,       0.0);
     ( 464603.4, 3807721.9,    1104.0,    1104.0,       0.0);         ( 464623.4,
3807721.9,    1103.9,    1103.9,       0.0);
     ( 464643.4, 3807721.9,    1103.2,    1103.2,       0.0);         ( 464663.4,
3807721.9,    1102.8,    1102.8,       0.0);
     ( 464683.4, 3807721.9,    1102.4,    1102.4,       0.0);         ( 464703.4,
3807721.9,    1102.1,    1102.1,       0.0);
     ( 464723.4, 3807721.9,    1102.0,    1102.0,       0.0);         ( 464743.4,
3807721.9,    1101.9,    1101.9,       0.0);
     ( 464763.4, 3807721.9,    1101.6,    1101.6,       0.0);         ( 464783.4,
3807721.9,    1101.3,    1101.3,       0.0);
     ( 464803.4, 3807721.9,    1100.9,    1100.9,       0.0);         ( 464823.4,
3807721.9,    1100.6,    1100.6,       0.0);
     ( 464843.4, 3807721.9,    1100.3,    1100.3,       0.0);         ( 464863.4,
3807721.9,    1099.9,    1099.9,       0.0);
     ( 464883.4, 3807721.9,    1099.6,    1099.6,       0.0);         ( 464903.4,
3807721.9,    1099.3,    1099.3,       0.0);
     ( 464923.4, 3807721.9,    1098.9,    1098.9,       0.0);         ( 464943.4,
3807721.9,    1098.6,    1098.6,       0.0);
     ( 464963.4, 3807721.9,    1098.3,    1098.3,       0.0);         ( 464983.4,
3807721.9,    1097.9,    1097.9,       0.0);
     ( 465003.4, 3807721.9,    1097.6,    1097.6,       0.0);         ( 465023.4,
3807721.9,    1097.3,    1097.3,       0.0);
     ( 465043.4, 3807721.9,    1096.9,    1096.9,       0.0);         ( 465063.4,
3807721.9,    1096.6,    1096.6,       0.0);
     ( 465083.4, 3807721.9,    1096.3,    1096.3,       0.0);         ( 465103.4,
3807721.9,    1096.0,    1096.0,       0.0);
     ( 465123.4, 3807721.9,    1096.0,    1096.0,       0.0);         ( 465143.4,
3807721.9,    1095.8,    1095.8,       0.0);
     ( 465163.4, 3807721.9,    1095.5,    1095.5,       0.0);         ( 465183.4,
3807721.9,    1095.5,    1095.5,       0.0);
     ( 465203.4, 3807721.9,    1095.3,    1095.3,       0.0);         ( 465223.4,
3807721.9,    1094.9,    1094.9,       0.0);
     ( 465243.4, 3807721.9,    1094.6,    1094.6,       0.0);         ( 465263.4,
3807721.9,    1094.3,    1094.3,       0.0);
     ( 465283.4, 3807721.9,    1094.0,    1094.0,       0.0);         ( 465303.4,
3807721.9,    1094.0,    1094.0,       0.0);
     ( 465323.4, 3807721.9,    1093.8,    1093.8,       0.0);         ( 465343.4,
3807721.9,    1093.5,    1093.5,       0.0);
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464783.4, 3807741.9, 1100.9, 1100.9, 0.0); (464803.4, 3807741.9, 1100.7, 1100.7, 0.0);
(464823.4, 3807741.9, 1100.2, 1100.2, 0.0); (464843.4, 3807741.9, 1100.0, 1100.0, 0.0);
(464863.4, 3807741.9, 1099.9, 1099.9, 0.0); (464883.4, 3807741.9, 1099.2, 1099.2, 0.0);
(464903.4, 3807741.9, 1099.0, 1099.0, 0.0); (464923.4, 3807741.9, 1098.9, 1098.9, 0.0);
(464943.4, 3807741.9, 1098.2, 1098.2, 0.0); (464963.4, 3807741.9, 1098.0, 1098.0, 0.0);
(464983.4, 3807741.9, 1097.9, 1097.9, 0.0); (465003.4, 3807741.9, 1097.2, 1097.2, 0.0);
(465023.4, 3807741.9, 1096.9, 1096.9, 0.0); (465043.4, 3807741.9, 1096.7, 1096.7, 0.0);
(465063.4, 3807741.9, 1096.2, 1096.2, 0.0); (465083.4, 3807741.9, 1096.0, 1096.0, 0.0);
(465103.4, 3807741.9, 1096.0, 1096.0, 0.0); (465123.4, 3807741.9, 1095.8, 1095.8, 0.0);
(465143.4, 3807741.9, 1095.4, 1095.4, 0.0); (465163.4, 3807741.9, 1095.0, 1095.0, 0.0);
(465183.4, 3807741.9, 1094.8, 1094.8, 0.0); (465203.4, 3807741.9, 1094.8, 1094.8, 0.0);
(465223.4, 3807741.9, 1094.7, 1094.7, 0.0); (465243.4, 3807741.9, 1094.2, 1094.2, 0.0);

```
     ( 465263.4, 3807741.9,    1094.0,    1094.0,       0.0);         ( 465283.4,
3807741.9,    1094.0,    1094.0,       0.0);
     ( 465303.4, 3807741.9,    1093.8,    1093.8,       0.0);         ( 465323.4,
3807741.9,    1093.4,    1093.4,       0.0);
     ( 465343.4, 3807741.9,    1093.0,    1093.0,       0.0);         ( 465363.4,
3807741.9,    1092.8,    1092.8,       0.0);
     ( 465383.4, 3807741.9,    1092.8,    1092.8,       0.0);         ( 464543.4,
3807761.9,    1101.2,    1101.2,       0.0);
     ( 464563.4, 3807761.9,    1102.4,    1102.4,       0.0);         ( 464583.4,
3807761.9,    1103.0,    1103.0,       0.0);
     ( 464603.4, 3807761.9,    1103.1,    1103.1,       0.0);         ( 464623.4,
3807761.9,    1103.0,    1103.0,       0.0);
     ( 464643.4, 3807761.9,    1102.3,    1102.3,       0.0);         ( 464663.4,
3807761.9,    1102.1,    1102.1,       0.0);
     ( 464683.4, 3807761.9,    1102.0,    1102.0,       0.0);         ( 464703.4,
3807761.9,    1102.0,    1102.0,       0.0);
     ( 464723.4, 3807761.9,    1101.6,    1101.6,       0.0);         ( 464743.4,
3807761.9,    1101.1,    1101.1,       0.0);
     ( 464763.4, 3807761.9,    1101.0,    1101.0,       0.0);         ( 464783.4,
3807761.9,    1100.6,    1100.6,       0.0);
     ( 464803.4, 3807761.9,    1100.1,    1100.1,       0.0);         ( 464823.4,
3807761.9,    1100.0,    1100.0,       0.0);
     ( 464843.4, 3807761.9,    1100.0,    1100.0,       0.0);         ( 464863.4,
3807761.9,    1099.9,    1099.9,       0.0);
     ( 464883.4, 3807761.9,    1099.2,    1099.2,       0.0);         ( 464903.4,
3807761.9,    1099.0,    1099.0,       0.0);
     ( 464923.4, 3807761.9,    1098.9,    1098.9,       0.0);         ( 464943.4,
3807761.9,    1098.2,    1098.2,       0.0);
     ( 464963.4, 3807761.9,    1098.0,    1098.0,       0.0);         ( 464983.4,
3807761.9,    1097.9,    1097.9,       0.0);
     ( 465003.4, 3807761.9,    1097.2,    1097.2,       0.0);         ( 465023.4,
3807761.9,    1096.6,    1096.6,       0.0);
     ( 465043.4, 3807761.9,    1096.1,    1096.1,       0.0);         ( 465063.4,
3807761.9,    1096.0,    1096.0,       0.0);
     ( 465083.4, 3807761.9,    1096.0,    1096.0,       0.0);         ( 465103.4,
3807761.9,    1095.9,    1095.9,       0.0);
     ( 465123.4, 3807761.9,    1095.3,    1095.3,       0.0);         ( 465143.4,
3807761.9,    1095.1,    1095.1,       0.0);
     ( 465163.4, 3807761.9,    1094.9,    1094.9,       0.0);         ( 465183.4,
3807761.9,    1094.3,    1094.3,       0.0);
     ( 465203.4, 3807761.9,    1094.1,    1094.1,       0.0);         ( 465223.4,
3807761.9,    1094.1,    1094.1,       0.0);
     ( 465243.4, 3807761.9,    1094.0,    1094.0,       0.0);         ( 465263.4,
3807761.9,    1094.0,    1094.0,       0.0);
     ( 465283.4, 3807761.9,    1093.9,    1093.9,       0.0);         ( 465303.4,
3807761.9,    1093.3,    1093.3,       0.0);
     ( 465323.4, 3807761.9,    1093.1,    1093.1,       0.0);         ( 465343.4,
3807761.9,    1092.9,    1092.9,       0.0);
     ( 465363.4, 3807761.9,    1092.3,    1092.3,       0.0);         ( 465383.4,
3807761.9,    1092.1,    1092.1,       0.0);
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(464543.4, 3807781.9, 1099.3, 1102.0, 0.0); (464563.4, 3807781.9, 1100.5, 1100.5, 0.0);
(464583.4, 3807781.9, 1101.2, 1103.0, 0.0); (464603.4, 3807781.9, 1101.6, 1101.6, 0.0);
(464623.4, 3807781.9, 1101.9, 1101.9, 0.0); (464643.4, 3807781.9, 1102.0, 1102.0, 0.0);
(464663.4, 3807781.9, 1101.8, 1101.8, 0.0); (464683.4, 3807781.9, 1101.5, 1101.5, 0.0);
(464703.4, 3807781.9, 1101.5, 1101.5, 0.0); (464723.4, 3807781.9, 1101.3, 1101.3, 0.0);
(464743.4, 3807781.9, 1100.9, 1100.9, 0.0); (464763.4, 3807781.9, 1100.6, 1100.6, 0.0);
(464783.4, 3807781.9, 1100.3, 1100.3, 0.0); (464803.4, 3807781.9, 1100.0, 1100.0, 0.0);
(464823.4, 3807781.9, 1100.0, 1100.0, 0.0); (464843.4, 3807781.9, 1099.8, 1099.8, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464863.4, 3807781.9, 1099.4, 1099.4, 0.0); (464883.4, 3807781.9, 1099.1, 1099.1, 0.0);
(464903.4, 3807781.9, 1098.8, 1098.8, 0.0); (464923.4, 3807781.9, 1098.4, 1098.4, 0.0);
(464943.4, 3807781.9, 1098.1, 1098.1, 0.0); (464963.4, 3807781.9, 1097.8, 1097.8, 0.0);
(464983.4, 3807781.9, 1097.4, 1097.4, 0.0); (465003.4, 3807781.9, 1097.1, 1097.1, 0.0);
(465023.4, 3807781.9, 1096.5, 1096.5, 0.0); (465043.4, 3807781.9, 1096.0, 1096.0, 0.0);
(465063.4, 3807781.9, 1096.0, 1096.0, 0.0); (465083.4, 3807781.9, 1095.8, 1095.8, 0.0);
(465103.4, 3807781.9, 1095.4, 1095.4, 0.0); (465123.4, 3807781.9, 1095.1, 1095.1, 0.0);
(465143.4, 3807781.9, 1094.8, 1094.8, 0.0); (465163.4, 3807781.9, 1094.4, 1094.4, 0.0);
(465183.4, 3807781.9, 1094.1, 1094.1, 0.0); (465203.4, 3807781.9, 1094.0, 1094.0, 0.0);
(465223.4, 3807781.9, 1093.9, 1093.9, 0.0); (465243.4, 3807781.9, 1093.6, 1093.6, 0.0);
(465263.4, 3807781.9, 1093.5, 1093.5, 0.0); (465283.4, 3807781.9, 1093.4, 1093.4, 0.0);

```
     ( 465303.4, 3807781.9,    1093.1,    1093.1,       0.0);         ( 465323.4,
3807781.9,    1092.8,    1092.8,       0.0);
     ( 465343.4, 3807781.9,    1092.4,    1092.4,       0.0);         ( 465363.4,
3807781.9,    1092.1,    1092.1,       0.0);
     ( 465383.4, 3807781.9,    1092.0,    1092.0,       0.0);         ( 464543.4,
3807801.9,    1097.4,    1102.0,       0.0);
     ( 464563.4, 3807801.9,    1098.5,    1098.5,       0.0);         ( 464583.4,
3807801.9,    1099.3,    1103.0,       0.0);
     ( 464603.4, 3807801.9,    1100.1,    1100.1,       0.0);         ( 464623.4,
3807801.9,    1100.9,    1100.9,       0.0);
     ( 464643.4, 3807801.9,    1101.6,    1101.6,       0.0);         ( 464663.4,
3807801.9,    1101.4,    1101.4,       0.0);
     ( 464683.4, 3807801.9,    1101.0,    1101.0,       0.0);         ( 464703.4,
3807801.9,    1101.0,    1101.0,       0.0);
     ( 464723.4, 3807801.9,    1100.9,    1100.9,       0.0);         ( 464743.4,
3807801.9,    1100.7,    1100.7,       0.0);
     ( 464763.4, 3807801.9,    1100.2,    1100.2,       0.0);         ( 464783.4,
3807801.9,    1100.0,    1100.0,       0.0);
     ( 464803.4, 3807801.9,    1100.0,    1100.0,       0.0);         ( 464823.4,
3807801.9,    1099.8,    1099.8,       0.0);
     ( 464843.4, 3807801.9,    1099.4,    1099.4,       0.0);         ( 464863.4,
3807801.9,    1099.0,    1099.0,       0.0);
     ( 464883.4, 3807801.9,    1098.8,    1098.8,       0.0);         ( 464903.4,
3807801.9,    1098.4,    1098.4,       0.0);
     ( 464923.4, 3807801.9,    1098.0,    1098.0,       0.0);         ( 464943.4,
3807801.9,    1097.8,    1097.8,       0.0);
     ( 464963.4, 3807801.9,    1097.4,    1097.4,       0.0);         ( 464983.4,
3807801.9,    1097.0,    1097.0,       0.0);
     ( 465003.4, 3807801.9,    1096.8,    1096.8,       0.0);         ( 465023.4,
3807801.9,    1096.4,    1096.4,       0.0);
     ( 465043.4, 3807801.9,    1096.0,    1096.0,       0.0);         ( 465063.4,
3807801.9,    1095.8,    1095.8,       0.0);
     ( 465083.4, 3807801.9,    1095.4,    1095.4,       0.0);         ( 465103.4,
3807801.9,    1095.0,    1095.0,       0.0);
     ( 465123.4, 3807801.9,    1094.8,    1094.8,       0.0);         ( 465143.4,
3807801.9,    1094.4,    1094.4,       0.0);
     ( 465163.4, 3807801.9,    1094.0,    1094.0,       0.0);         ( 465183.4,
3807801.9,    1094.0,    1094.0,       0.0);
     ( 465203.4, 3807801.9,    1093.9,    1093.9,       0.0);         ( 465223.4,
3807801.9,    1093.7,    1093.7,       0.0);
     ( 465243.4, 3807801.9,    1093.2,    1093.2,       0.0);         ( 465263.4,
3807801.9,    1093.0,    1093.0,       0.0);
     ( 465283.4, 3807801.9,    1093.0,    1093.0,       0.0);         ( 465303.4,
3807801.9,    1092.8,    1092.8,       0.0);
     ( 465323.4, 3807801.9,    1092.4,    1092.4,       0.0);         ( 465343.4,
3807801.9,    1092.0,    1092.0,       0.0);
     ( 465363.4, 3807801.9,    1092.0,    1092.0,       0.0);         ( 465383.4,
3807801.9,    1091.9,    1091.9,       0.0);
     ( 464543.4, 3807821.9,    1095.8,    1102.0,       0.0);         ( 464563.4,
3807821.9,    1096.6,    1103.0,       0.0);
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(464583.4, 3807821.9, 1097.9, 1097.9, 0.0); (464603.4, 3807821.9, 1099.1, 1099.1, 0.0);
(464623.4, 3807821.9, 1100.2, 1100.2, 0.0); (464643.4, 3807821.9, 1100.9, 1100.9, 0.0);
(464663.4, 3807821.9, 1101.1, 1101.1, 0.0); (464683.4, 3807821.9, 1101.0, 1101.0, 0.0);
(464703.4, 3807821.9, 1101.0, 1101.0, 0.0); (464723.4, 3807821.9, 1100.6, 1100.6, 0.0);
(464743.4, 3807821.9, 1100.1, 1100.1, 0.0); (464763.4, 3807821.9, 1100.0, 1100.0, 0.0);
(464783.4, 3807821.9, 1100.0, 1100.0, 0.0); (464803.4, 3807821.9, 1099.9, 1099.9, 0.0);
(464823.4, 3807821.9, 1099.3, 1099.3, 0.0); (464843.4, 3807821.9, 1099.1, 1099.1, 0.0);
(464863.4, 3807821.9, 1098.9, 1098.9, 0.0); (464883.4, 3807821.9, 1098.3, 1098.3, 0.0);
(464903.4, 3807821.9, 1098.1, 1098.1, 0.0); (464923.4, 3807821.9, 1097.9, 1097.9, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464943.4, 3807821.9, 1097.3, 1097.3, 0.0); (464963.4, 3807821.9, 1097.1, 1097.1, 0.0);
(464983.4, 3807821.9, 1096.9, 1096.9, 0.0); (465003.4, 3807821.9, 1096.3, 1096.3, 0.0);
(465023.4, 3807821.9, 1096.1, 1096.1, 0.0); (465043.4, 3807821.9, 1095.9, 1095.9, 0.0);
(465063.4, 3807821.9, 1095.3, 1095.3, 0.0); (465083.4, 3807821.9, 1095.1, 1095.1, 0.0);
(465103.4, 3807821.9, 1094.9, 1094.9, 0.0); (465123.4, 3807821.9, 1094.3, 1094.3, 0.0);
(465143.4, 3807821.9, 1094.1, 1094.1, 0.0); (465163.4, 3807821.9, 1094.0, 1094.0, 0.0);
(465183.4, 3807821.9, 1094.0, 1094.0, 0.0); (465203.4, 3807821.9, 1093.6, 1093.6, 0.0);
(465223.4, 3807821.9, 1093.1, 1093.1, 0.0); (465243.4, 3807821.9, 1093.0, 1093.0, 0.0);
(465263.4, 3807821.9, 1093.0, 1093.0, 0.0); (465283.4, 3807821.9, 1092.9, 1092.9, 0.0);
(465303.4, 3807821.9, 1092.3, 1092.3, 0.0); (465323.4, 3807821.9, 1092.1, 1092.1, 0.0);

```
     ( 465343.4, 3807821.9,    1092.0,    1092.0,       0.0);         ( 465363.4,
3807821.9,    1092.0,    1092.0,       0.0);
     ( 465383.4, 3807821.9,    1091.6,    1091.6,       0.0);         ( 464543.4,
3807841.9,    1093.6,    1103.0,       0.0);
     ( 464563.4, 3807841.9,    1094.2,    1103.0,       0.0);         ( 464583.4,
3807841.9,    1095.8,    1100.0,       0.0);
     ( 464603.4, 3807841.9,    1097.5,    1100.0,       0.0);         ( 464623.4,
3807841.9,    1099.0,    1099.0,       0.0);
     ( 464643.4, 3807841.9,    1099.7,    1099.7,       0.0);         ( 464663.4,
3807841.9,    1100.2,    1100.2,       0.0);
     ( 464683.4, 3807841.9,    1100.5,    1100.5,       0.0);         ( 464723.4,
3807841.9,    1100.3,    1100.3,       0.0);
     ( 464743.4, 3807841.9,    1100.0,    1100.0,       0.0);         ( 464763.4,
3807841.9,    1100.0,    1100.0,       0.0);
     ( 464783.4, 3807841.9,    1099.8,    1099.8,       0.0);         ( 464803.4,
3807841.9,    1099.4,    1099.4,       0.0);
     ( 464823.4, 3807841.9,    1099.1,    1099.1,       0.0);         ( 464843.4,
3807841.9,    1098.8,    1098.8,       0.0);
     ( 464863.4, 3807841.9,    1098.4,    1098.4,       0.0);         ( 464883.4,
3807841.9,    1098.1,    1098.1,       0.0);
     ( 464903.4, 3807841.9,    1097.8,    1097.8,       0.0);         ( 464923.4,
3807841.9,    1097.4,    1097.4,       0.0);
     ( 464943.4, 3807841.9,    1097.1,    1097.1,       0.0);         ( 464963.4,
3807841.9,    1096.8,    1096.8,       0.0);
     ( 464983.4, 3807841.9,    1096.4,    1096.4,       0.0);         ( 465003.4,
3807841.9,    1096.1,    1096.1,       0.0);
     ( 465023.4, 3807841.9,    1095.8,    1095.8,       0.0);         ( 465043.4,
3807841.9,    1095.4,    1095.4,       0.0);
     ( 465063.4, 3807841.9,    1095.1,    1095.1,       0.0);         ( 465083.4,
3807841.9,    1094.8,    1094.8,       0.0);
     ( 465103.4, 3807841.9,    1094.4,    1094.4,       0.0);         ( 465123.4,
3807841.9,    1094.1,    1094.1,       0.0);
     ( 465143.4, 3807841.9,    1093.8,    1093.8,       0.0);         ( 465163.4,
3807841.9,    1093.5,    1093.5,       0.0);
     ( 465183.4, 3807841.9,    1093.5,    1093.5,       0.0);         ( 465203.4,
3807841.9,    1093.3,    1093.3,       0.0);
     ( 465223.4, 3807841.9,    1092.9,    1092.9,       0.0);         ( 465243.4,
3807841.9,    1092.6,    1092.6,       0.0);
     ( 465263.4, 3807841.9,    1092.5,    1092.5,       0.0);         ( 465283.4,
3807841.9,    1092.4,    1092.4,       0.0);
     ( 465303.4, 3807841.9,    1092.1,    1092.1,       0.0);         ( 465323.4,
3807841.9,    1092.0,    1092.0,       0.0);
     ( 465343.4, 3807841.9,    1091.9,    1091.9,       0.0);         ( 465363.4,
3807841.9,    1091.6,    1091.6,       0.0);
     ( 465383.4, 3807841.9,    1091.3,    1091.3,       0.0);         ( 464503.4,
3807861.9,    1092.7,    1104.0,       0.0);
     ( 464523.4, 3807861.9,    1092.0,    1092.0,       0.0);         ( 464543.4,
3807861.9,    1091.8,    1103.0,       0.0);
     ( 464563.4, 3807861.9,    1092.1,    1103.0,       0.0);         ( 464583.4,
3807861.9,    1093.7,    1100.0,       0.0);
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(464603.4, 3807861.9, 1095.5, 1100.0, 0.0); (464723.4, 3807861.9, 1100.0, 1100.0, 0.0);
(464743.4, 3807861.9, 1100.0, 1100.0, 0.0); (464763.4, 3807861.9, 1100.0, 1100.0, 0.0);
(464783.4, 3807861.9, 1099.5, 1099.5, 0.0); (464803.4, 3807861.9, 1099.0, 1099.0, 0.0);
(464823.4, 3807861.9, 1098.8, 1098.8, 0.0); (464843.4, 3807861.9, 1098.4, 1098.4, 0.0);
(464863.4, 3807861.9, 1098.0, 1098.0, 0.0); (464883.4, 3807861.9, 1097.8, 1097.8, 0.0);
(464903.4, 3807861.9, 1097.4, 1097.4, 0.0); (464923.4, 3807861.9, 1097.0, 1097.0, 0.0);
(464943.4, 3807861.9, 1096.8, 1096.8, 0.0); (464963.4, 3807861.9, 1096.4, 1096.4, 0.0);
(464983.4, 3807861.9, 1096.0, 1096.0, 0.0); (465003.4, 3807861.9, 1095.8, 1095.8, 0.0);
(465023.4, 3807861.9, 1095.4, 1095.4, 0.0); (465043.4, 3807861.9, 1095.0, 1095.0, 0.0);
(465063.4, 3807861.9, 1094.8, 1094.8, 0.0); (465083.4, 3807861.9, 1094.4, 1094.4, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(465103.4, 3807861.9, 1094.0, 1094.0, 0.0); (465123.4, 3807861.9, 1093.8, 1093.8, 0.0);
(465143.4, 3807861.9, 1093.4, 1093.4, 0.0); (465163.4, 3807861.9, 1093.0, 1093.0, 0.0);
(465183.4, 3807861.9, 1092.8, 1092.8, 0.0); (465203.4, 3807861.9, 1092.8, 1092.8, 0.0);
(465223.4, 3807861.9, 1092.7, 1092.7, 0.0); (465243.4, 3807861.9, 1092.2, 1092.2, 0.0);
(465263.4, 3807861.9, 1092.0, 1092.0, 0.0); (465283.4, 3807861.9, 1092.0, 1092.0, 0.0);
(465303.4, 3807861.9, 1091.8, 1091.8, 0.0); (465323.4, 3807861.9, 1091.8, 1091.8, 0.0);
(465343.4, 3807861.9, 1091.7, 1091.7, 0.0); (465363.4, 3807861.9, 1091.2, 1091.2, 0.0);
(465383.4, 3807861.9, 1090.9, 1090.9, 0.0); (464503.4, 3807881.9, 1092.0, 1104.0, 0.0);
(464523.4, 3807881.9, 1091.3, 1104.0, 0.0); (464543.4, 3807881.9, 1091.1, 1091.1, 0.0);

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     ( 464723.4, 3807881.9,    1100.0,    1100.0,       0.0);         ( 464743.4,
3807881.9,    1100.0,    1100.0,       0.0);
     ( 464763.4, 3807881.9,    1100.0,    1100.0,       0.0);         ( 464783.4,
3807881.9,    1099.5,    1099.5,       0.0);
     ( 464803.4, 3807881.9,    1098.9,    1098.9,       0.0);         ( 464823.4,
3807881.9,    1098.3,    1098.3,       0.0);
     ( 464843.4, 3807881.9,    1098.1,    1098.1,       0.0);         ( 464863.4,
3807881.9,    1097.9,    1097.9,       0.0);
     ( 464883.4, 3807881.9,    1097.3,    1097.3,       0.0);         ( 464903.4,
3807881.9,    1097.1,    1097.1,       0.0);
     ( 464923.4, 3807881.9,    1096.9,    1096.9,       0.0);         ( 464943.4,
3807881.9,    1096.3,    1096.3,       0.0);
     ( 464963.4, 3807881.9,    1096.1,    1096.1,       0.0);         ( 464983.4,
3807881.9,    1095.9,    1095.9,       0.0);
     ( 465003.4, 3807881.9,    1095.3,    1095.3,       0.0);         ( 465023.4,
3807881.9,    1095.1,    1095.1,       0.0);
     ( 465043.4, 3807881.9,    1094.9,    1094.9,       0.0);         ( 465063.4,
3807881.9,    1094.3,    1094.3,       0.0);
     ( 465083.4, 3807881.9,    1094.1,    1094.1,       0.0);         ( 465103.4,
3807881.9,    1093.9,    1093.9,       0.0);
     ( 465123.4, 3807881.9,    1093.3,    1093.3,       0.0);         ( 465143.4,
3807881.9,    1093.1,    1093.1,       0.0);
     ( 465163.4, 3807881.9,    1092.9,    1092.9,       0.0);         ( 465183.4,
3807881.9,    1092.3,    1092.3,       0.0);
     ( 465203.4, 3807881.9,    1092.1,    1092.1,       0.0);         ( 465223.4,
3807881.9,    1092.1,    1092.1,       0.0);
     ( 465243.4, 3807881.9,    1092.0,    1092.0,       0.0);         ( 465263.4,
3807881.9,    1092.0,    1092.0,       0.0);
     ( 465283.4, 3807881.9,    1091.9,    1091.9,       0.0);         ( 465303.4,
3807881.9,    1091.3,    1091.3,       0.0);
     ( 465323.4, 3807881.9,    1091.1,    1091.1,       0.0);         ( 465343.4,
3807881.9,    1091.1,    1091.1,       0.0);
     ( 465363.4, 3807881.9,    1091.0,    1091.0,       0.0);         ( 465383.4,
3807881.9,    1090.6,    1090.6,       0.0);
     ( 464723.4, 3807901.9,    1099.4,    1099.4,       0.0);         ( 464743.4,
3807901.9,    1099.9,    1099.9,       0.0);
     ( 464763.4, 3807901.9,    1099.6,    1099.6,       0.0);         ( 464783.4,
3807901.9,    1099.3,    1099.3,       0.0);
     ( 464803.4, 3807901.9,    1098.9,    1098.9,       0.0);         ( 464823.4,
3807901.9,    1098.2,    1098.2,       0.0);
     ( 464843.4, 3807901.9,    1098.0,    1098.0,       0.0);         ( 464863.4,
3807901.9,    1097.9,    1097.9,       0.0);
     ( 464883.4, 3807901.9,    1097.2,    1097.2,       0.0);         ( 464903.4,
3807901.9,    1096.8,    1096.8,       0.0);
     ( 464923.4, 3807901.9,    1096.4,    1096.4,       0.0);         ( 464943.4,
3807901.9,    1096.1,    1096.1,       0.0);
     ( 464963.4, 3807901.9,    1096.0,    1096.0,       0.0);         ( 464983.4,
3807901.9,    1095.9,    1095.9,       0.0);
     ( 465003.4, 3807901.9,    1095.2,    1095.2,       0.0);         ( 465023.4,
3807901.9,    1094.8,    1094.8,       0.0);
```

(465043.4, 3807901.9, 1094.4, 1094.4, 0.0); (465063.4, 3807901.9, 1094.1, 1094.1, 0.0);
(465083.4, 3807901.9, 1093.8, 1093.8, 0.0); (465103.4, 3807901.9, 1093.4, 1093.4, 0.0);
(465123.4, 3807901.9, 1093.1, 1093.1, 0.0); (465143.4, 3807901.9, 1092.8, 1092.8, 0.0);
(465163.4, 3807901.9, 1092.4, 1092.4, 0.0); (465183.4, 3807901.9, 1092.1, 1092.1, 0.0);
(465203.4, 3807901.9, 1092.0, 1092.0, 0.0); (465223.4, 3807901.9, 1091.9, 1091.9, 0.0);
(465243.4, 3807901.9, 1091.6, 1091.6, 0.0); (465263.4, 3807901.9, 1091.5, 1091.5, 0.0);
(465283.4, 3807901.9, 1091.4, 1091.4, 0.0); (465303.4, 3807901.9, 1091.1, 1091.1, 0.0);
(465323.4, 3807901.9, 1090.8, 1090.8, 0.0); (465343.4, 3807901.9, 1090.5, 1090.5, 0.0);
(465363.4, 3807901.9, 1090.5, 1090.5, 0.0); (465383.4, 3807901.9, 1090.3, 1090.3, 0.0);
(464723.4, 3807921.9, 1098.5, 1098.5, 0.0); (464743.4, 3807921.9, 1099.5, 1099.5, 0.0);
(464763.4, 3807921.9, 1099.1, 1099.1, 0.0); (464783.4, 3807921.9, 1098.9, 1098.9, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464803.4, 3807921.9, 1098.7, 1098.7, 0.0); (464823.4, 3807921.9, 1098.2, 1098.2, 0.0);
(464843.4, 3807921.9, 1097.9, 1097.9, 0.0); (464863.4, 3807921.9, 1097.7, 1097.7, 0.0);
(464883.4, 3807921.9, 1097.0, 1097.0, 0.0); (464903.4, 3807921.9, 1096.4, 1096.4, 0.0);
(464923.4, 3807921.9, 1096.0, 1096.0, 0.0); (464943.4, 3807921.9, 1096.0, 1096.0, 0.0);
(464963.4, 3807921.9, 1095.9, 1095.9, 0.0); (464983.4, 3807921.9, 1095.7, 1095.7, 0.0);
(465003.4, 3807921.9, 1095.0, 1095.0, 0.0); (465023.4, 3807921.9, 1094.4, 1094.4, 0.0);
(465043.4, 3807921.9, 1094.0, 1094.0, 0.0); (465063.4, 3807921.9, 1093.8, 1093.8, 0.0);
(465083.4, 3807921.9, 1093.4, 1093.4, 0.0); (465103.4, 3807921.9, 1093.0, 1093.0, 0.0);

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     ( 465123.4, 3807921.9,    1092.8,    1092.8,       0.0);         ( 465143.4,
3807921.9,    1092.4,    1092.4,       0.0);
     ( 465163.4, 3807921.9,    1092.0,    1092.0,       0.0);         ( 465183.4,
3807921.9,    1091.8,    1091.8,       0.0);
     ( 465203.4, 3807921.9,    1091.8,    1091.8,       0.0);         ( 465223.4,
3807921.9,    1091.7,    1091.7,       0.0);
     ( 465243.4, 3807921.9,    1091.2,    1091.2,       0.0);         ( 465263.4,
3807921.9,    1090.9,    1090.9,       0.0);
     ( 465283.4, 3807921.9,    1090.8,    1090.8,       0.0);         ( 465303.4,
3807921.9,    1090.8,    1090.8,       0.0);
     ( 465323.4, 3807921.9,    1090.4,    1090.4,       0.0);         ( 465343.4,
3807921.9,    1090.0,    1090.0,       0.0);
     ( 465363.4, 3807921.9,    1090.0,    1090.0,       0.0);         ( 465383.4,
3807921.9,    1089.9,    1089.9,       0.0);
     ( 464723.4, 3807941.9,    1097.2,    1097.2,       0.0);         ( 464743.4,
3807941.9,    1098.3,    1098.3,       0.0);
     ( 464763.4, 3807941.9,    1098.8,    1098.8,       0.0);         ( 464783.4,
3807941.9,    1098.6,    1098.6,       0.0);
     ( 464803.4, 3807941.9,    1098.1,    1098.1,       0.0);         ( 464823.4,
3807941.9,    1098.0,    1098.0,       0.0);
     ( 464843.4, 3807941.9,    1097.6,    1097.6,       0.0);         ( 464863.4,
3807941.9,    1097.0,    1097.0,       0.0);
     ( 464883.4, 3807941.9,    1096.3,    1096.3,       0.0);         ( 464903.4,
3807941.9,    1096.1,    1096.1,       0.0);
     ( 464923.4, 3807941.9,    1096.0,    1096.0,       0.0);         ( 464943.4,
3807941.9,    1096.0,    1096.0,       0.0);
     ( 464963.4, 3807941.9,    1095.6,    1095.6,       0.0);         ( 464983.4,
3807941.9,    1095.0,    1095.0,       0.0);
     ( 465003.4, 3807941.9,    1094.3,    1094.3,       0.0);         ( 465023.4,
3807941.9,    1094.1,    1094.1,       0.0);
     ( 465043.4, 3807941.9,    1093.9,    1093.9,       0.0);         ( 465063.4,
3807941.9,    1093.3,    1093.3,       0.0);
     ( 465083.4, 3807941.9,    1093.1,    1093.1,       0.0);         ( 465103.4,
3807941.9,    1092.9,    1092.9,       0.0);
     ( 465123.4, 3807941.9,    1092.3,    1092.3,       0.0);         ( 465143.4,
3807941.9,    1092.1,    1092.1,       0.0);
     ( 465163.4, 3807941.9,    1091.9,    1091.9,       0.0);         ( 465183.4,
3807941.9,    1091.3,    1091.3,       0.0);
     ( 465203.4, 3807941.9,    1091.1,    1091.1,       0.0);         ( 465223.4,
3807941.9,    1091.1,    1091.1,       0.0);
     ( 465243.4, 3807941.9,    1091.0,    1091.0,       0.0);         ( 465263.4,
3807941.9,    1090.6,    1090.6,       0.0);
     ( 465283.4, 3807941.9,    1090.1,    1090.1,       0.0);         ( 465303.4,
3807941.9,    1090.1,    1090.1,       0.0);
     ( 465323.4, 3807941.9,    1090.1,    1090.1,       0.0);         ( 465343.4,
3807941.9,    1090.0,    1090.0,       0.0);
     ( 465363.4, 3807941.9,    1090.0,    1090.0,       0.0);         ( 465383.4,
3807941.9,    1089.6,    1089.6,       0.0);
     ( 465403.4, 3807941.9,    1089.1,    1089.1,       0.0);         ( 465423.4,
3807941.9,    1089.0,    1089.0,       0.0);
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(465443.4, 3807941.9, 1089.0, 1089.0, 0.0); (465463.4, 3807941.9, 1089.1, 1089.1, 0.0);
(465483.4, 3807941.9, 1089.0, 1089.0, 0.0); (465503.4, 3807941.9, 1089.0, 1089.0, 0.0);
(465523.4, 3807941.9, 1088.9, 1088.9, 0.0); (465543.4, 3807941.9, 1088.3, 1088.3, 0.0);
(465563.4, 3807941.9, 1088.1, 1088.1, 0.0); (465583.4, 3807941.9, 1088.0, 1088.0, 0.0);
(465603.4, 3807941.9, 1088.0, 1088.0, 0.0); (465623.4, 3807941.9, 1087.6, 1087.6, 0.0);
(465643.4, 3807941.9, 1087.1, 1087.1, 0.0); (465663.4, 3807941.9, 1087.0, 1087.0, 0.0);
(465683.4, 3807941.9, 1086.6, 1086.6, 0.0); (465703.4, 3807941.9, 1086.1, 1086.1, 0.0);
(464723.4, 3807961.9, 1095.2, 1098.0, 0.0); (464743.4, 3807961.9, 1097.1, 1097.1, 0.0);
(464763.4, 3807961.9, 1098.1, 1098.1, 0.0); (464783.4, 3807961.9, 1098.3, 1098.3, 0.0);
(464803.4, 3807961.9, 1097.9, 1097.9, 0.0); (464823.4, 3807961.9, 1097.6, 1097.6, 0.0);
(464843.4, 3807961.9, 1097.3, 1097.3, 0.0); (464863.4, 3807961.9, 1096.9, 1096.9, 0.0);
(464883.4, 3807961.9, 1096.2, 1096.2, 0.0); (464903.4, 3807961.9, 1096.0, 1096.0, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464923.4, 3807961.9, 1095.9, 1095.9, 0.0); (464943.4, 3807961.9, 1095.6, 1095.6, 0.0);
(464963.4, 3807961.9, 1095.3, 1095.3, 0.0); (464983.4, 3807961.9, 1094.9, 1094.9, 0.0);
(465003.4, 3807961.9, 1094.2, 1094.2, 0.0); (465023.4, 3807961.9, 1094.0, 1094.0, 0.0);
(465043.4, 3807961.9, 1093.9, 1093.9, 0.0); (465063.4, 3807961.9, 1093.2, 1093.2, 0.0);
(465083.4, 3807961.9, 1092.8, 1092.8, 0.0); (465103.4, 3807961.9, 1092.4, 1092.4, 0.0);
(465123.4, 3807961.9, 1092.1, 1092.1, 0.0); (465143.4, 3807961.9, 1091.8, 1091.8, 0.0);
(465163.4, 3807961.9, 1091.4, 1091.4, 0.0); (465183.4, 3807961.9, 1091.1, 1091.1, 0.0);

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     ( 465203.4, 3807961.9,    1090.8,    1090.8,       0.0);         ( 465223.4,
3807961.9,    1090.5,    1090.5,       0.0);
     ( 465243.4, 3807961.9,    1090.5,    1090.5,       0.0);         ( 465263.4,
3807961.9,    1090.3,    1090.3,       0.0);
     ( 465283.4, 3807961.9,    1090.0,    1090.0,       0.0);         ( 465303.4,
3807961.9,    1090.0,    1090.0,       0.0);
     ( 465323.4, 3807961.9,    1089.8,    1089.8,       0.0);         ( 465343.4,
3807961.9,    1089.5,    1089.5,       0.0);
     ( 465363.4, 3807961.9,    1089.5,    1089.5,       0.0);         ( 465383.4,
3807961.9,    1089.3,    1089.3,       0.0);
     ( 465403.4, 3807961.9,    1088.9,    1088.9,       0.0);         ( 465423.4,
3807961.9,    1088.6,    1088.6,       0.0);
     ( 465443.4, 3807961.9,    1088.5,    1088.5,       0.0);         ( 465463.4,
3807961.9,    1088.9,    1088.9,       0.0);
     ( 465483.4, 3807961.9,    1088.6,    1088.6,       0.0);         ( 465503.4,
3807961.9,    1088.5,    1088.5,       0.0);
     ( 465523.4, 3807961.9,    1088.4,    1088.4,       0.0);         ( 465543.4,
3807961.9,    1088.1,    1088.1,       0.0);
     ( 465563.4, 3807961.9,    1088.0,    1088.0,       0.0);         ( 465583.4,
3807961.9,    1087.9,    1087.9,       0.0);
     ( 465603.4, 3807961.9,    1087.6,    1087.6,       0.0);         ( 465623.4,
3807961.9,    1087.3,    1087.3,       0.0);
     ( 465643.4, 3807961.9,    1086.9,    1086.9,       0.0);         ( 465663.4,
3807961.9,    1086.6,    1086.6,       0.0);
     ( 465683.4, 3807961.9,    1086.3,    1086.3,       0.0);         ( 465703.4,
3807961.9,    1086.0,    1086.0,       0.0);
     ( 464743.4, 3807981.9,    1095.7,    1095.7,       0.0);         ( 464763.4,
3807981.9,    1097.1,    1097.1,       0.0);
     ( 464783.4, 3807981.9,    1097.7,    1097.7,       0.0);         ( 464803.4,
3807981.9,    1097.7,    1097.7,       0.0);
     ( 464823.4, 3807981.9,    1097.0,    1097.0,       0.0);         ( 464843.4,
3807981.9,    1096.8,    1096.8,       0.0);
     ( 464863.4, 3807981.9,    1096.7,    1096.7,       0.0);         ( 464883.4,
3807981.9,    1096.0,    1096.0,       0.0);
     ( 464903.4, 3807981.9,    1095.8,    1095.8,       0.0);         ( 464923.4,
3807981.9,    1095.7,    1095.7,       0.0);
     ( 464943.4, 3807981.9,    1095.2,    1095.2,       0.0);         ( 464963.4,
3807981.9,    1094.9,    1094.9,       0.0);
     ( 464983.4, 3807981.9,    1094.7,    1094.7,       0.0);         ( 465003.4,
3807981.9,    1094.2,    1094.2,       0.0);
     ( 465023.4, 3807981.9,    1093.9,    1093.9,       0.0);         ( 465043.4,
3807981.9,    1093.7,    1093.7,       0.0);
     ( 465063.4, 3807981.9,    1093.2,    1093.2,       0.0);         ( 465083.4,
3807981.9,    1092.5,    1092.5,       0.0);
     ( 465103.4, 3807981.9,    1092.0,    1092.0,       0.0);         ( 465123.4,
3807981.9,    1092.0,    1092.0,       0.0);
     ( 465143.4, 3807981.9,    1091.5,    1091.5,       0.0);         ( 465163.4,
3807981.9,    1091.0,    1091.0,       0.0);
     ( 465183.4, 3807981.9,    1090.8,    1090.8,       0.0);         ( 465203.4,
3807981.9,    1090.4,    1090.4,       0.0);
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     ( 465223.4, 3807981.9,    1090.0,    1090.0,       0.0);         ( 465243.4,
3807981.9,    1090.0,    1090.0,       0.0);
     ( 465263.4, 3807981.9,    1090.0,    1090.0,       0.0);         ( 465283.4,
3807981.9,    1090.0,    1090.0,       0.0);
     ( 465303.4, 3807981.9,    1089.8,    1089.8,       0.0);         ( 465323.4,
3807981.9,    1089.4,    1089.4,       0.0);
     ( 465343.4, 3807981.9,    1089.0,    1089.0,       0.0);         ( 465363.4,
3807981.9,    1088.8,    1088.8,       0.0);
     ( 465383.4, 3807981.9,    1088.8,    1088.8,       0.0);         ( 465403.4,
3807981.9,    1088.7,    1088.7,       0.0);
     ( 465423.4, 3807981.9,    1088.2,    1088.2,       0.0);         ( 465443.4,
3807981.9,    1088.0,    1088.0,       0.0);
     ( 465463.4, 3807981.9,    1088.7,    1088.7,       0.0);         ( 465483.4,
3807981.9,    1088.2,    1088.2,       0.0);
     ( 465503.4, 3807981.9,    1088.0,    1088.0,       0.0);         ( 465523.4,
3807981.9,    1088.0,    1088.0,       0.0);
     ( 465543.4, 3807981.9,    1087.8,    1087.8,       0.0);         ( 465563.4,
3807981.9,    1087.8,    1087.8,       0.0);
     ( 465583.4, 3807981.9,    1087.7,    1087.7,       0.0);         ( 465603.4,
3807981.9,    1087.2,    1087.2,       0.0);
     ( 465623.4, 3807981.9,    1086.9,    1086.9,       0.0);         ( 465643.4,
3807981.9,    1086.7,    1086.7,       0.0);
     ( 465663.4, 3807981.9,    1086.2,    1086.2,       0.0);         ( 465683.4,
3807981.9,    1086.0,    1086.0,       0.0);
     ( 465703.4, 3807981.9,    1086.0,    1086.0,       0.0);         ( 464763.4,
3808001.9,    1095.6,    1095.6,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19

                                  PAGE  69
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                 (METERS)

     ( 464783.4, 3808001.9,    1096.7,    1096.7,       0.0);         ( 464803.4,
3808001.9,    1097.0,    1097.0,       0.0);
     ( 464823.4, 3808001.9,    1096.3,    1096.3,       0.0);         ( 464843.4,
3808001.9,    1096.1,    1096.1,       0.0);
     ( 464863.4, 3808001.9,    1096.0,    1096.0,       0.0);         ( 464883.4,
3808001.9,    1095.3,    1095.3,       0.0);
     ( 464903.4, 3808001.9,    1095.1,    1095.1,       0.0);         ( 464923.4,
3808001.9,    1095.1,    1095.1,       0.0);
     ( 464943.4, 3808001.9,    1095.0,    1095.0,       0.0);         ( 464963.4,
3808001.9,    1094.6,    1094.6,       0.0);
     ( 464983.4, 3808001.9,    1094.1,    1094.1,       0.0);         ( 465003.4,
3808001.9,    1094.0,    1094.0,       0.0);
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     ( 465023.4, 3808001.9,    1093.6,    1093.6,       0.0);         ( 465043.4,
3808001.9,    1093.1,    1093.1,       0.0);
     ( 465063.4, 3808001.9,    1093.0,    1093.0,       0.0);         ( 465083.4,
3808001.9,    1092.5,    1092.5,       0.0);
     ( 465103.4, 3808001.9,    1092.0,    1092.0,       0.0);         ( 465123.4,
3808001.9,    1092.0,    1092.0,       0.0);
     ( 465143.4, 3808001.9,    1091.5,    1091.5,       0.0);         ( 465163.4,
3808001.9,    1090.9,    1090.9,       0.0);
     ( 465183.4, 3808001.9,    1090.3,    1090.3,       0.0);         ( 465203.4,
3808001.9,    1090.1,    1090.1,       0.0);
     ( 465223.4, 3808001.9,    1090.0,    1090.0,       0.0);         ( 465243.4,
3808001.9,    1090.0,    1090.0,       0.0);
     ( 465263.4, 3808001.9,    1090.0,    1090.0,       0.0);         ( 465283.4,
3808001.9,    1089.9,    1089.9,       0.0);
     ( 465303.4, 3808001.9,    1089.3,    1089.3,       0.0);         ( 465323.4,
3808001.9,    1089.1,    1089.1,       0.0);
     ( 465343.4, 3808001.9,    1088.9,    1088.9,       0.0);         ( 465363.4,
3808001.9,    1088.3,    1088.3,       0.0);
     ( 465383.4, 3808001.9,    1088.1,    1088.1,       0.0);         ( 465403.4,
3808001.9,    1088.1,    1088.1,       0.0);
     ( 465423.4, 3808001.9,    1088.0,    1088.0,       0.0);         ( 465443.4,
3808001.9,    1088.0,    1088.0,       0.0);
     ( 465463.4, 3808001.9,    1088.1,    1088.1,       0.0);         ( 465483.4,
3808001.9,    1088.0,    1088.0,       0.0);
     ( 465503.4, 3808001.9,    1088.0,    1088.0,       0.0);         ( 465523.4,
3808001.9,    1087.9,    1087.9,       0.0);
     ( 465543.4, 3808001.9,    1087.3,    1087.3,       0.0);         ( 465563.4,
3808001.9,    1087.1,    1087.1,       0.0);
     ( 465583.4, 3808001.9,    1087.1,    1087.1,       0.0);         ( 465603.4,
3808001.9,    1087.0,    1087.0,       0.0);
     ( 465623.4, 3808001.9,    1086.6,    1086.6,       0.0);         ( 465643.4,
3808001.9,    1086.1,    1086.1,       0.0);
     ( 465663.4, 3808001.9,    1086.0,    1086.0,       0.0);         ( 465683.4,
3808001.9,    1086.0,    1086.0,       0.0);
     ( 465703.4, 3808001.9,    1085.9,    1085.9,       0.0);         ( 464763.4,
3808021.9,    1093.5,    1096.0,       0.0);
     ( 464783.4, 3808021.9,    1094.6,    1097.0,       0.0);         ( 464803.4,
3808021.9,    1095.4,    1095.4,       0.0);
     ( 464823.4, 3808021.9,    1095.5,    1095.5,       0.0);         ( 464843.4,
3808021.9,    1095.5,    1095.5,       0.0);
     ( 464863.4, 3808021.9,    1095.4,    1095.4,       0.0);         ( 464883.4,
3808021.9,    1095.1,    1095.1,       0.0);
     ( 464903.4, 3808021.9,    1094.8,    1094.8,       0.0);         ( 464923.4,
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     ( 464943.4, 3808021.9,    1094.5,    1094.5,       0.0);         ( 464963.4,
3808021.9,    1094.3,    1094.3,       0.0);
     ( 464983.4, 3808021.9,    1093.9,    1093.9,       0.0);         ( 465003.4,
3808021.9,    1093.6,    1093.6,       0.0);
     ( 465023.4, 3808021.9,    1093.3,    1093.3,       0.0);         ( 465043.4,
3808021.9,    1092.9,    1092.9,       0.0);
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(465063.4, 3808021.9, 1092.6, 1092.6, 0.0); (465083.4, 3808021.9, 1092.3, 1092.3, 0.0);
(465103.4, 3808021.9, 1091.9, 1091.9, 0.0); (465123.4, 3808021.9, 1091.6, 1091.6, 0.0);
(465143.4, 3808021.9, 1091.3, 1091.3, 0.0); (465163.4, 3808021.9, 1090.9, 1090.9, 0.0);
(465183.4, 3808021.9, 1090.2, 1090.2, 0.0); (465203.4, 3808021.9, 1090.0, 1090.0, 0.0);
(465223.4, 3808021.9, 1089.9, 1089.9, 0.0); (465243.4, 3808021.9, 1089.6, 1089.6, 0.0);
(465263.4, 3808021.9, 1089.5, 1089.5, 0.0); (465283.4, 3808021.9, 1089.4, 1089.4, 0.0);
(465303.4, 3808021.9, 1089.1, 1089.1, 0.0); (465323.4, 3808021.9, 1088.8, 1088.8, 0.0);
(465343.4, 3808021.9, 1088.4, 1088.4, 0.0); (465363.4, 3808021.9, 1088.1, 1088.1, 0.0);
(465383.4, 3808021.9, 1088.0, 1088.0, 0.0); (465403.4, 3808021.9, 1087.9, 1087.9, 0.0);
(465423.4, 3808021.9, 1087.6, 1087.6, 0.0); (465443.4, 3808021.9, 1087.5, 1087.5, 0.0);
(465463.4, 3808021.9, 1087.9, 1087.9, 0.0); (465483.4, 3808021.9, 1087.6, 1087.6, 0.0);
(465503.4, 3808021.9, 1087.5, 1087.5, 0.0); (465523.4, 3808021.9, 1087.4, 1087.4, 0.0);
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(465583.4, 3808021.9, 1086.5, 1086.5, 0.0); (465603.4, 3808021.9, 1086.5, 1086.5, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(465623.4, 3808021.9, 1086.3, 1086.3, 0.0); (465643.4, 3808021.9, 1086.0, 1086.0, 0.0);
(465663.4, 3808021.9, 1086.0, 1086.0, 0.0); (465683.4, 3808021.9, 1085.8, 1085.8, 0.0);
(465703.4, 3808021.9, 1085.4, 1085.4, 0.0); (464783.4, 3808041.9, 1092.6, 1097.0, 0.0);
(464803.4, 3808041.9, 1093.7, 1093.7, 0.0); (464823.4, 3808041.9, 1094.4, 1094.4, 0.0);
(464843.4, 3808041.9, 1094.7, 1094.7, 0.0); (464863.4, 3808041.9, 1094.8, 1094.8, 0.0);

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     ( 464883.4, 3808041.9,    1094.8,    1094.8,       0.0);         ( 464903.4,
3808041.9,    1094.4,    1094.4,       0.0);
     ( 464923.4, 3808041.9,    1094.0,    1094.0,       0.0);         ( 464943.4,
3808041.9,    1094.0,    1094.0,       0.0);
     ( 464963.4, 3808041.9,    1094.0,    1094.0,       0.0);         ( 464983.4,
3808041.9,    1093.9,    1093.9,       0.0);
     ( 465003.4, 3808041.9,    1093.2,    1093.2,       0.0);         ( 465023.4,
3808041.9,    1092.9,    1092.9,       0.0);
     ( 465043.4, 3808041.9,    1092.7,    1092.7,       0.0);         ( 465063.4,
3808041.9,    1092.2,    1092.2,       0.0);
     ( 465083.4, 3808041.9,    1091.9,    1091.9,       0.0);         ( 465103.4,
3808041.9,    1091.7,    1091.7,       0.0);
     ( 465123.4, 3808041.9,    1091.2,    1091.2,       0.0);         ( 465143.4,
3808041.9,    1090.9,    1090.9,       0.0);
     ( 465163.4, 3808041.9,    1090.7,    1090.7,       0.0);         ( 465183.4,
3808041.9,    1090.2,    1090.2,       0.0);
     ( 465203.4, 3808041.9,    1089.9,    1089.9,       0.0);         ( 465223.4,
3808041.9,    1089.7,    1089.7,       0.0);
     ( 465243.4, 3808041.9,    1089.2,    1089.2,       0.0);         ( 465263.4,
3808041.9,    1088.9,    1088.9,       0.0);
     ( 465283.4, 3808041.9,    1088.8,    1088.8,       0.0);         ( 465303.4,
3808041.9,    1088.8,    1088.8,       0.0);
     ( 465323.4, 3808041.9,    1088.4,    1088.4,       0.0);         ( 465343.4,
3808041.9,    1088.0,    1088.0,       0.0);
     ( 465363.4, 3808041.9,    1087.8,    1087.8,       0.0);         ( 465383.4,
3808041.9,    1087.8,    1087.8,       0.0);
     ( 465403.4, 3808041.9,    1087.7,    1087.7,       0.0);         ( 465423.4,
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     ( 465443.4, 3808041.9,    1087.0,    1087.0,       0.0);         ( 465463.4,
3808041.9,    1087.7,    1087.7,       0.0);
     ( 465483.4, 3808041.9,    1087.2,    1087.2,       0.0);         ( 465503.4,
3808041.9,    1086.9,    1086.9,       0.0);
     ( 465523.4, 3808041.9,    1086.8,    1086.8,       0.0);         ( 465543.4,
3808041.9,    1086.8,    1086.8,       0.0);
     ( 465563.4, 3808041.9,    1086.4,    1086.4,       0.0);         ( 465583.4,
3808041.9,    1086.0,    1086.0,       0.0);
     ( 465603.4, 3808041.9,    1086.0,    1086.0,       0.0);         ( 465623.4,
3808041.9,    1086.0,    1086.0,       0.0);
     ( 465643.4, 3808041.9,    1086.0,    1086.0,       0.0);         ( 465663.4,
3808041.9,    1085.8,    1085.8,       0.0);
     ( 465683.4, 3808041.9,    1085.4,    1085.4,       0.0);         ( 465703.4,
3808041.9,    1085.0,    1085.0,       0.0);
     ( 464803.4, 3808061.9,    1092.4,    1092.4,       0.0);         ( 464823.4,
3808061.9,    1093.0,    1093.0,       0.0);
     ( 464843.4, 3808061.9,    1093.7,    1093.7,       0.0);         ( 464863.4,
3808061.9,    1094.1,    1094.1,       0.0);
     ( 464883.4, 3808061.9,    1094.1,    1094.1,       0.0);         ( 464903.4,
3808061.9,    1094.1,    1094.1,       0.0);
     ( 464923.4, 3808061.9,    1094.0,    1094.0,       0.0);         ( 464943.4,
3808061.9,    1094.0,    1094.0,       0.0);
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(465003.4, 3808061.9, 1093.2, 1093.2, 0.0); (465023.4, 3808061.9, 1092.6, 1092.6, 0.0);
(465043.4, 3808061.9, 1092.1, 1092.1, 0.0); (465063.4, 3808061.9, 1092.0, 1092.0, 0.0);
(465083.4, 3808061.9, 1091.6, 1091.6, 0.0); (465103.4, 3808061.9, 1091.1, 1091.1, 0.0);
(465123.4, 3808061.9, 1091.0, 1091.0, 0.0); (465143.4, 3808061.9, 1090.6, 1090.6, 0.0);
(465163.4, 3808061.9, 1090.1, 1090.1, 0.0); (465183.4, 3808061.9, 1090.0, 1090.0, 0.0);
(465203.4, 3808061.9, 1089.6, 1089.6, 0.0); (465223.4, 3808061.9, 1089.1, 1089.1, 0.0);
(465243.4, 3808061.9, 1089.0, 1089.0, 0.0); (465263.4, 3808061.9, 1088.6, 1088.6, 0.0);
(465283.4, 3808061.9, 1088.1, 1088.1, 0.0); (465303.4, 3808061.9, 1088.1, 1088.1, 0.0);
(465323.4, 3808061.9, 1088.1, 1088.1, 0.0); (465343.4, 3808061.9, 1087.9, 1087.9, 0.0);
(465363.4, 3808061.9, 1087.3, 1087.3, 0.0); (465383.4, 3808061.9, 1087.1, 1087.1, 0.0);
(465403.4, 3808061.9, 1087.1, 1087.1, 0.0); (465423.4, 3808061.9, 1087.0, 1087.0, 0.0);
(465443.4, 3808061.9, 1087.0, 1087.0, 0.0); (465463.4, 3808061.9, 1087.1, 1087.1, 0.0);
(465483.4, 3808061.9, 1087.0, 1087.0, 0.0); (465503.4, 3808061.9, 1086.6, 1086.6, 0.0);
(465523.4, 3808061.9, 1086.1, 1086.1, 0.0); (465543.4, 3808061.9, 1086.1, 1086.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(465563.4, 3808061.9, 1086.1, 1086.1, 0.0); (465583.4, 3808061.9, 1086.0, 1086.0, 0.0);
(465603.4, 3808061.9, 1086.0, 1086.0, 0.0); (465623.4, 3808061.9, 1086.0, 1086.0, 0.0);
(465643.4, 3808061.9, 1085.9, 1085.9, 0.0); (465663.4, 3808061.9, 1085.3, 1085.3, 0.0);
(465683.4, 3808061.9, 1085.1, 1085.1, 0.0); (465703.4, 3808061.9, 1085.0, 1085.0, 0.0);

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     ( 464823.4, 3808081.9,    1092.2,    1092.2,       0.0);         ( 464843.4,
3808081.9,    1092.7,    1092.7,       0.0);
     ( 464863.4, 3808081.9,    1093.0,    1093.0,       0.0);         ( 464883.4,
3808081.9,    1093.3,    1093.3,       0.0);
     ( 464903.4, 3808081.9,    1093.7,    1093.7,       0.0);         ( 464923.4,
3808081.9,    1094.0,    1094.0,       0.0);
     ( 464943.4, 3808081.9,    1094.0,    1094.0,       0.0);         ( 464963.4,
3808081.9,    1093.8,    1093.8,       0.0);
     ( 464983.4, 3808081.9,    1093.4,    1093.4,       0.0);         ( 465003.4,
3808081.9,    1093.1,    1093.1,       0.0);
     ( 465023.4, 3808081.9,    1092.5,    1092.5,       0.0);         ( 465043.4,
3808081.9,    1092.0,    1092.0,       0.0);
     ( 465063.4, 3808081.9,    1092.0,    1092.0,       0.0);         ( 465083.4,
3808081.9,    1091.5,    1091.5,       0.0);
     ( 465103.4, 3808081.9,    1090.9,    1090.9,       0.0);         ( 465123.4,
3808081.9,    1090.6,    1090.6,       0.0);
     ( 465143.4, 3808081.9,    1090.3,    1090.3,       0.0);         ( 465163.4,
3808081.9,    1089.9,    1089.9,       0.0);
     ( 465183.4, 3808081.9,    1089.6,    1089.6,       0.0);         ( 465203.4,
3808081.9,    1089.3,    1089.3,       0.0);
     ( 465223.4, 3808081.9,    1088.9,    1088.9,       0.0);         ( 465243.4,
3808081.9,    1088.6,    1088.6,       0.0);
     ( 465263.4, 3808081.9,    1088.3,    1088.3,       0.0);         ( 465283.4,
3808081.9,    1088.0,    1088.0,       0.0);
     ( 465303.4, 3808081.9,    1088.0,    1088.0,       0.0);         ( 465323.4,
3808081.9,    1087.8,    1087.8,       0.0);
     ( 465343.4, 3808081.9,    1087.4,    1087.4,       0.0);         ( 465363.4,
3808081.9,    1087.1,    1087.1,       0.0);
     ( 465383.4, 3808081.9,    1087.0,    1087.0,       0.0);         ( 465403.4,
3808081.9,    1086.9,    1086.9,       0.0);
     ( 465423.4, 3808081.9,    1086.6,    1086.6,       0.0);         ( 465443.4,
3808081.9,    1086.5,    1086.5,       0.0);
     ( 465463.4, 3808081.9,    1086.9,    1086.9,       0.0);         ( 465483.4,
3808081.9,    1086.6,    1086.6,       0.0);
     ( 465503.4, 3808081.9,    1086.3,    1086.3,       0.0);         ( 465523.4,
3808081.9,    1085.9,    1085.9,       0.0);
     ( 465543.4, 3808081.9,    1085.6,    1085.6,       0.0);         ( 465563.4,
3808081.9,    1085.5,    1085.5,       0.0);
     ( 465583.4, 3808081.9,    1085.5,    1085.5,       0.0);         ( 465603.4,
3808081.9,    1085.5,    1085.5,       0.0);
     ( 465623.4, 3808081.9,    1085.5,    1085.5,       0.0);         ( 465643.4,
3808081.9,    1085.4,    1085.4,       0.0);
     ( 465663.4, 3808081.9,    1085.1,    1085.1,       0.0);         ( 465683.4,
3808081.9,    1085.0,    1085.0,       0.0);
     ( 465703.4, 3808081.9,    1084.9,    1084.9,       0.0);         ( 464843.4,
3808101.9,    1091.8,    1091.8,       0.0);
     ( 464863.4, 3808101.9,    1092.1,    1092.1,       0.0);         ( 464883.4,
3808101.9,    1092.8,    1092.8,       0.0);
     ( 464903.4, 3808101.9,    1093.4,    1093.4,       0.0);         ( 464923.4,
3808101.9,    1093.8,    1093.8,       0.0);
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     ( 464943.4, 3808101.9,    1093.8,    1093.8,       0.0);         ( 464963.4,
3808101.9,    1093.4,    1093.4,       0.0);
     ( 464983.4, 3808101.9,    1093.0,    1093.0,       0.0);         ( 465003.4,
3808101.9,    1092.8,    1092.8,       0.0);
     ( 465023.4, 3808101.9,    1092.4,    1092.4,       0.0);         ( 465043.4,
3808101.9,    1092.0,    1092.0,       0.0);
     ( 465063.4, 3808101.9,    1091.8,    1091.8,       0.0);         ( 465083.4,
3808101.9,    1091.3,    1091.3,       0.0);
     ( 465103.4, 3808101.9,    1090.7,    1090.7,       0.0);         ( 465123.4,
3808101.9,    1090.2,    1090.2,       0.0);
     ( 465143.4, 3808101.9,    1090.0,    1090.0,       0.0);         ( 465163.4,
3808101.9,    1089.9,    1089.9,       0.0);
     ( 465183.4, 3808101.9,    1089.2,    1089.2,       0.0);         ( 465203.4,
3808101.9,    1088.9,    1088.9,       0.0);
     ( 465223.4, 3808101.9,    1088.7,    1088.7,       0.0);         ( 465243.4,
3808101.9,    1088.2,    1088.2,       0.0);
     ( 465263.4, 3808101.9,    1088.0,    1088.0,       0.0);         ( 465283.4,
3808101.9,    1088.0,    1088.0,       0.0);
     ( 465303.4, 3808101.9,    1087.8,    1087.8,       0.0);         ( 465323.4,
3808101.9,    1087.4,    1087.4,       0.0);
     ( 465343.4, 3808101.9,    1087.0,    1087.0,       0.0);         ( 465363.4,
3808101.9,    1086.8,    1086.8,       0.0);
     ( 465383.4, 3808101.9,    1086.8,    1086.8,       0.0);         ( 465403.4,
3808101.9,    1086.7,    1086.7,       0.0);
     ( 465423.4, 3808101.9,    1086.2,    1086.2,       0.0);         ( 465443.4,
3808101.9,    1086.0,    1086.0,       0.0);
     ( 465463.4, 3808101.9,    1086.7,    1086.7,       0.0);         ( 465483.4,
3808101.9,    1086.2,    1086.2,       0.0);
     ( 465503.4, 3808101.9,    1085.9,    1085.9,       0.0);         ( 465523.4,
3808101.9,    1085.7,    1085.7,       0.0);
     ( 465543.4, 3808101.9,    1085.2,    1085.2,       0.0);         ( 465563.4,
3808101.9,    1085.0,    1085.0,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                   PAGE  72
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 465583.4, 3808101.9,    1085.0,    1085.0,       0.0);         ( 465603.4,
3808101.9,    1085.0,    1085.0,       0.0);
     ( 465623.4, 3808101.9,    1085.0,    1085.0,       0.0);         ( 465643.4,
3808101.9,    1085.0,    1085.0,       0.0);
     ( 465663.4, 3808101.9,    1084.8,    1084.8,       0.0);         ( 465683.4,
3808101.9,    1084.8,    1084.8,       0.0);
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     ( 465703.4, 3808101.9,    1084.7,    1084.7,       0.0);         ( 464863.4,
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     ( 464883.4, 3808121.9,    1092.8,    1092.8,       0.0);         ( 464903.4,
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     ( 464923.4, 3808121.9,    1093.1,    1093.1,       0.0);         ( 464943.4,
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     ( 464963.4, 3808121.9,    1093.1,    1093.1,       0.0);         ( 464983.4,
3808121.9,    1092.9,    1092.9,       0.0);
     ( 465003.4, 3808121.9,    1092.3,    1092.3,       0.0);         ( 465023.4,
3808121.9,    1092.1,    1092.1,       0.0);
     ( 465043.4, 3808121.9,    1091.9,    1091.9,       0.0);         ( 465063.4,
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     ( 465083.4, 3808121.9,    1090.7,    1090.7,       0.0);         ( 465103.4,
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     ( 465123.4, 3808121.9,    1090.0,    1090.0,       0.0);         ( 465143.4,
3808121.9,    1090.0,    1090.0,       0.0);
     ( 465163.4, 3808121.9,    1089.9,    1089.9,       0.0);         ( 465183.4,
3808121.9,    1089.2,    1089.2,       0.0);
     ( 465203.4, 3808121.9,    1088.6,    1088.6,       0.0);         ( 465223.4,
3808121.9,    1088.1,    1088.1,       0.0);
     ( 465243.4, 3808121.9,    1088.0,    1088.0,       0.0);         ( 465263.4,
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     ( 465283.4, 3808121.9,    1087.9,    1087.9,       0.0);         ( 465303.4,
3808121.9,    1087.3,    1087.3,       0.0);
     ( 465323.4, 3808121.9,    1087.1,    1087.1,       0.0);         ( 465343.4,
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     ( 465363.4, 3808121.9,    1086.3,    1086.3,       0.0);         ( 465383.4,
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     ( 465483.4, 3808121.9,    1086.0,    1086.0,       0.0);         ( 465503.4,
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     ( 465523.4, 3808121.9,    1085.1,    1085.1,       0.0);         ( 465543.4,
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     ( 465683.4, 3808121.9,    1084.1,    1084.1,       0.0);         ( 465703.4,
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     ( 465123.4, 3808141.9,    1090.0,    1090.0,       0.0);         ( 465143.4,
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     ( 465163.4, 3808141.9,    1089.4,    1089.4,       0.0);         ( 465183.4,
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     ( 465203.4, 3808141.9,    1088.5,    1088.5,       0.0);         ( 465223.4,
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     ( 465243.4, 3808141.9,    1088.0,    1088.0,       0.0);         ( 465263.4,
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     ( 465323.4, 3808141.9,    1086.8,    1086.8,       0.0);         ( 465343.4,
3808141.9,    1086.4,    1086.4,       0.0);
     ( 465363.4, 3808141.9,    1086.1,    1086.1,       0.0);         ( 465383.4,
3808141.9,    1086.0,    1086.0,       0.0);
     ( 465403.4, 3808141.9,    1085.9,    1085.9,       0.0);         ( 465423.4,
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     ( 465443.4, 3808141.9,    1085.5,    1085.5,       0.0);         ( 465463.4,
3808141.9,    1085.5,    1085.5,       0.0);
     ( 465483.4, 3808141.9,    1085.5,    1085.5,       0.0);         ( 465503.4,
3808141.9,    1085.3,    1085.3,       0.0);
     ( 465523.4, 3808141.9,    1084.9,    1084.9,       0.0);         ( 465543.4,
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     ( 465563.4, 3808141.9,    1084.5,    1084.5,       0.0);         ( 465583.4,
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     ( 465603.4, 3808141.9,    1084.5,    1084.5,       0.0);         ( 465623.4,
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     ( 465643.4, 3808141.9,    1084.4,    1084.4,       0.0);         ( 465663.4,
3808141.9,    1084.1,    1084.1,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19

                                  PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     ( 465683.4, 3808141.9,    1083.8,    1083.8,       0.0);         ( 465703.4,
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     ( 464883.4, 3808161.9,    1091.3,    1091.3,       0.0);         ( 464903.4,
3808161.9,    1092.2,    1092.2,       0.0);
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     ( 464963.4, 3808161.9,    1092.8,    1092.8,       0.0);         ( 464983.4,
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     ( 465003.4, 3808161.9,    1092.2,    1092.2,       0.0);         ( 465023.4,
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     ( 465043.4, 3808161.9,    1091.7,    1091.7,       0.0);         ( 465063.4,
3808161.9,    1091.0,    1091.0,       0.0);
     ( 465083.4, 3808161.9,    1090.4,    1090.4,       0.0);         ( 465103.4,
3808161.9,    1090.0,    1090.0,       0.0);
     ( 465123.4, 3808161.9,    1089.8,    1089.8,       0.0);         ( 465143.4,
3808161.9,    1089.4,    1089.4,       0.0);
     ( 465163.4, 3808161.9,    1089.0,    1089.0,       0.0);         ( 465183.4,
3808161.9,    1088.8,    1088.8,       0.0);
     ( 465203.4, 3808161.9,    1088.4,    1088.4,       0.0);         ( 465223.4,
3808161.9,    1088.0,    1088.0,       0.0);
     ( 465243.4, 3808161.9,    1087.8,    1087.8,       0.0);         ( 465263.4,
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     ( 465283.4, 3808161.9,    1087.0,    1087.0,       0.0);         ( 465303.4,
3808161.9,    1086.8,    1086.8,       0.0);
     ( 465323.4, 3808161.9,    1086.4,    1086.4,       0.0);         ( 465343.4,
3808161.9,    1086.0,    1086.0,       0.0);
     ( 465363.4, 3808161.9,    1085.8,    1085.8,       0.0);         ( 465383.4,
3808161.9,    1085.8,    1085.8,       0.0);
     ( 465403.4, 3808161.9,    1085.7,    1085.7,       0.0);         ( 465423.4,
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     ( 465443.4, 3808161.9,    1085.0,    1085.0,       0.0);         ( 465463.4,
3808161.9,    1085.0,    1085.0,       0.0);
     ( 465483.4, 3808161.9,    1084.8,    1084.8,       0.0);         ( 465503.4,
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     ( 465523.4, 3808161.9,    1084.7,    1084.7,       0.0);         ( 465543.4,
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     ( 465563.4, 3808161.9,    1084.0,    1084.0,       0.0);         ( 465583.4,
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     ( 465603.4, 3808161.9,    1084.0,    1084.0,       0.0);         ( 465623.4,
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     ( 465643.4, 3808161.9,    1083.8,    1083.8,       0.0);         ( 465663.4,
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     ( 465683.4, 3808161.9,    1083.4,    1083.4,       0.0);         ( 465703.4,
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     ( 464903.4, 3808181.9,    1091.6,    1091.6,       0.0);         ( 464923.4,
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     ( 464943.4, 3808181.9,    1092.1,    1092.1,       0.0);         ( 464963.4,
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     ( 464983.4, 3808181.9,    1092.1,    1092.1,       0.0);         ( 465003.4,
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     ( 465063.4, 3808181.9,    1090.3,    1090.3,       0.0);         ( 465083.4,
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     ( 465143.4, 3808181.9,    1089.1,    1089.1,       0.0);         ( 465163.4,
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     ( 465183.4, 3808181.9,    1088.3,    1088.3,       0.0);         ( 465203.4,
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     ( 465223.4, 3808181.9,    1087.9,    1087.9,       0.0);         ( 465243.4,
3808181.9,    1087.3,    1087.3,       0.0);
     ( 465263.4, 3808181.9,    1087.1,    1087.1,       0.0);         ( 465283.4,
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     ( 465303.4, 3808181.9,    1086.3,    1086.3,       0.0);         ( 465323.4,
3808181.9,    1086.1,    1086.1,       0.0);
     ( 465343.4, 3808181.9,    1085.9,    1085.9,       0.0);         ( 465363.4,
3808181.9,    1085.3,    1085.3,       0.0);
     ( 465383.4, 3808181.9,    1085.1,    1085.1,       0.0);         ( 465403.4,
3808181.9,    1085.1,    1085.1,       0.0);
     ( 465423.4, 3808181.9,    1085.0,    1085.0,       0.0);         ( 465443.4,
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     ( 465463.4, 3808181.9,    1084.9,    1084.9,       0.0);         ( 465483.4,
3808181.9,    1084.3,    1084.3,       0.0);
     ( 465503.4, 3808181.9,    1084.1,    1084.1,       0.0);         ( 465523.4,
3808181.9,    1084.1,    1084.1,       0.0);
     ( 465543.4, 3808181.9,    1084.0,    1084.0,       0.0);         ( 465563.4,
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     ( 465583.4, 3808181.9,    1084.0,    1084.0,       0.0);         ( 465603.4,
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     ( 465663.4, 3808181.9,    1083.1,    1083.1,       0.0);         ( 465683.4,
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     ( 465703.4, 3808181.9,    1082.9,    1082.9,       0.0);         ( 464923.4,
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     ( 464943.4, 3808201.9,    1091.3,    1091.3,       0.0);         ( 464963.4,
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     ( 464983.4, 3808201.9,    1091.5,    1091.5,       0.0);         ( 465003.4,
3808201.9,    1091.5,    1091.5,       0.0);
*** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19

                                   PAGE  74
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

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     ( 465103.4, 3808201.9,    1089.4,    1089.4,       0.0);         ( 465123.4,
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     ( 465143.4, 3808201.9,    1088.8,    1088.8,       0.0);         ( 465163.4,
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     ( 465183.4, 3808201.9,    1088.1,    1088.1,       0.0);         ( 465203.4,
3808201.9,    1087.8,    1087.8,       0.0);
     ( 465223.4, 3808201.9,    1087.4,    1087.4,       0.0);         ( 465243.4,
3808201.9,    1087.1,    1087.1,       0.0);
     ( 465263.4, 3808201.9,    1086.8,    1086.8,       0.0);         ( 465283.4,
3808201.9,    1086.4,    1086.4,       0.0);
     ( 465303.4, 3808201.9,    1086.1,    1086.1,       0.0);         ( 465323.4,
3808201.9,    1085.8,    1085.8,       0.0);
     ( 465343.4, 3808201.9,    1085.4,    1085.4,       0.0);         ( 465363.4,
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     ( 465383.4, 3808201.9,    1084.8,    1084.8,       0.0);         ( 465403.4,
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     ( 465423.4, 3808201.9,    1084.5,    1084.5,       0.0);         ( 465443.4,
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     ( 465463.4, 3808201.9,    1084.4,    1084.4,       0.0);         ( 465483.4,
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     ( 465503.4, 3808201.9,    1084.0,    1084.0,       0.0);         ( 465523.4,
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     ( 465543.4, 3808201.9,    1084.0,    1084.0,       0.0);         ( 465563.4,
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     ( 465583.4, 3808201.9,    1083.5,    1083.5,       0.0);         ( 465603.4,
3808201.9,    1083.5,    1083.5,       0.0);
     ( 465623.4, 3808201.9,    1083.3,    1083.3,       0.0);         ( 465643.4,
3808201.9,    1083.0,    1083.0,       0.0);
     ( 465663.4, 3808201.9,    1083.0,    1083.0,       0.0);         ( 465683.4,
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     ( 465043.4, 3808221.9,    1090.0,    1090.0,       0.0);         ( 465063.4,
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     ( 465083.4, 3808221.9,    1089.3,    1089.3,       0.0);         ( 465103.4,
3808221.9,    1088.8,    1088.8,       0.0);
     ( 465123.4, 3808221.9,    1088.8,    1088.8,       0.0);         ( 465143.4,
3808221.9,    1088.4,    1088.4,       0.0);
     ( 465163.4, 3808221.9,    1088.0,    1088.0,       0.0);         ( 465183.4,
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     ( 465203.4, 3808221.9,    1087.4,    1087.4,       0.0);         ( 465223.4,
3808221.9,    1087.0,    1087.0,       0.0);
     ( 465243.4, 3808221.9,    1086.8,    1086.8,       0.0);         ( 465263.4,
3808221.9,    1086.4,    1086.4,       0.0);
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     ( 465323.4, 3808221.9,    1085.4,    1085.4,       0.0);         ( 465343.4,
3808221.9,    1085.0,    1085.0,       0.0);
     ( 465363.4, 3808221.9,    1084.8,    1084.8,       0.0);         ( 465383.4,
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     ( 465403.4, 3808221.9,    1084.0,    1084.0,       0.0);         ( 465423.4,
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     ( 465443.4, 3808221.9,    1084.0,    1084.0,       0.0);         ( 465463.4,
3808221.9,    1084.0,    1084.0,       0.0);
     ( 465483.4, 3808221.9,    1084.0,    1084.0,       0.0);         ( 465503.4,
3808221.9,    1083.9,    1083.9,       0.0);
     ( 465523.4, 3808221.9,    1083.8,    1083.8,       0.0);         ( 465543.4,
3808221.9,    1083.8,    1083.8,       0.0);
     ( 465563.4, 3808221.9,    1083.4,    1083.4,       0.0);         ( 465583.4,
3808221.9,    1083.0,    1083.0,       0.0);
     ( 465603.4, 3808221.9,    1083.0,    1083.0,       0.0);         ( 465623.4,
3808221.9,    1082.9,    1082.9,       0.0);
     ( 465643.4, 3808221.9,    1082.8,    1082.8,       0.0);         ( 465663.4,
3808221.9,    1082.8,    1082.8,       0.0);
     ( 465683.4, 3808221.9,    1082.4,    1082.4,       0.0);         ( 465703.4,
3808221.9,    1082.0,    1082.0,       0.0);
     ( 464963.4, 3808241.9,    1090.1,    1090.1,       0.0);         ( 464983.4,
3808241.9,    1090.1,    1090.1,       0.0);
     ( 465003.4, 3808241.9,    1090.1,    1090.1,       0.0);         ( 465023.4,
3808241.9,    1090.1,    1090.1,       0.0);
     ( 465043.4, 3808241.9,    1089.9,    1089.9,       0.0);         ( 465063.4,
3808241.9,    1089.3,    1089.3,       0.0);
     ( 465083.4, 3808241.9,    1088.7,    1088.7,       0.0);         ( 465103.4,
3808241.9,    1088.1,    1088.1,       0.0);
     ( 465123.4, 3808241.9,    1088.1,    1088.1,       0.0);         ( 465143.4,
3808241.9,    1088.1,    1088.1,       0.0);
     ( 465163.4, 3808241.9,    1087.9,    1087.9,       0.0);         ( 465183.4,
3808241.9,    1087.3,    1087.3,       0.0);
     ( 465203.4, 3808241.9,    1087.1,    1087.1,       0.0);         ( 465223.4,
3808241.9,    1086.9,    1086.9,       0.0);
     ( 465243.4, 3808241.9,    1086.3,    1086.3,       0.0);         ( 465263.4,
3808241.9,    1086.1,    1086.1,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 465283.4, 3808241.9,    1085.9,    1085.9,       0.0);         ( 465303.4,
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     ( 465323.4, 3808241.9,    1085.1,    1085.1,       0.0);         ( 465343.4,
3808241.9,    1084.9,    1084.9,       0.0);
     ( 465363.4, 3808241.9,    1084.3,    1084.3,       0.0);         ( 465383.4,
3808241.9,    1084.1,    1084.1,       0.0);
     ( 465403.4, 3808241.9,    1084.0,    1084.0,       0.0);         ( 465423.4,
3808241.9,    1084.0,    1084.0,       0.0);
     ( 465443.4, 3808241.9,    1084.0,    1084.0,       0.0);         ( 465463.4,
3808241.9,    1084.0,    1084.0,       0.0);
     ( 465483.4, 3808241.9,    1084.0,    1084.0,       0.0);         ( 465503.4,
3808241.9,    1083.6,    1083.6,       0.0);
     ( 465523.4, 3808241.9,    1083.1,    1083.1,       0.0);         ( 465543.4,
3808241.9,    1083.1,    1083.1,       0.0);
     ( 465563.4, 3808241.9,    1083.1,    1083.1,       0.0);         ( 465583.4,
3808241.9,    1083.0,    1083.0,       0.0);
     ( 465603.4, 3808241.9,    1083.0,    1083.0,       0.0);         ( 465623.4,
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     ( 465643.4, 3808241.9,    1082.1,    1082.1,       0.0);         ( 465663.4,
3808241.9,    1082.1,    1082.1,       0.0);
     ( 465683.4, 3808241.9,    1082.1,    1082.1,       0.0);         ( 465703.4,
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     ( 464983.4, 3808261.9,    1088.5,    1088.5,       0.0);         ( 465003.4,
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     ( 465023.4, 3808261.9,    1088.9,    1088.9,       0.0);         ( 465043.4,
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     ( 465063.4, 3808261.9,    1088.6,    1088.6,       0.0);         ( 465083.4,
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     ( 465103.4, 3808261.9,    1087.9,    1087.9,       0.0);         ( 465123.4,
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     ( 465143.4, 3808261.9,    1087.5,    1087.5,       0.0);         ( 465163.4,
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     ( 465183.4, 3808261.9,    1087.1,    1087.1,       0.0);         ( 465203.4,
3808261.9,    1086.8,    1086.8,       0.0);
     ( 465223.4, 3808261.9,    1086.4,    1086.4,       0.0);         ( 465243.4,
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     ( 465263.4, 3808261.9,    1086.0,    1086.0,       0.0);         ( 465283.4,
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     ( 465303.4, 3808261.9,    1085.2,    1085.2,       0.0);         ( 465323.4,
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     ( 465343.4, 3808261.9,    1084.4,    1084.4,       0.0);         ( 465363.4,
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     ( 465383.4, 3808261.9,    1083.8,    1083.8,       0.0);         ( 465403.4,
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     ( 465423.4, 3808261.9,    1083.5,    1083.5,       0.0);         ( 465443.4,
3808261.9,    1083.5,    1083.5,       0.0);
     ( 465463.4, 3808261.9,    1083.5,    1083.5,       0.0);         ( 465483.4,
3808261.9,    1083.5,    1083.5,       0.0);
     ( 465503.4, 3808261.9,    1083.3,    1083.3,       0.0);         ( 465523.4,
3808261.9,    1083.0,    1083.0,       0.0);
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     ( 465543.4, 3808261.9,    1083.0,    1083.0,       0.0);         ( 465563.4,
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     ( 465583.4, 3808261.9,    1082.5,    1082.5,       0.0);         ( 465603.4,
3808261.9,    1082.5,    1082.5,       0.0);
     ( 465623.4, 3808261.9,    1082.3,    1082.3,       0.0);         ( 465643.4,
3808261.9,    1081.9,    1081.9,       0.0);
     ( 465663.4, 3808261.9,    1081.6,    1081.6,       0.0);         ( 465683.4,
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     ( 465703.4, 3808261.9,    1081.4,    1081.4,       0.0);         ( 465003.4,
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     ( 465023.4, 3808281.9,    1087.7,    1087.7,       0.0);         ( 465043.4,
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     ( 465063.4, 3808281.9,    1087.6,    1087.6,       0.0);         ( 465083.4,
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     ( 465103.4, 3808281.9,    1087.7,    1087.7,       0.0);         ( 465123.4,
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     ( 465143.4, 3808281.9,    1087.0,    1087.0,       0.0);         ( 465163.4,
3808281.9,    1087.0,    1087.0,       0.0);
     ( 465183.4, 3808281.9,    1086.8,    1086.8,       0.0);         ( 465203.4,
3808281.9,    1086.4,    1086.4,       0.0);
     ( 465223.4, 3808281.9,    1086.0,    1086.0,       0.0);         ( 465243.4,
3808281.9,    1086.0,    1086.0,       0.0);
     ( 465263.4, 3808281.9,    1085.9,    1085.9,       0.0);         ( 465283.4,
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     ( 465303.4, 3808281.9,    1085.0,    1085.0,       0.0);         ( 465323.4,
3808281.9,    1084.4,    1084.4,       0.0);
     ( 465343.4, 3808281.9,    1084.0,    1084.0,       0.0);         ( 465363.4,
3808281.9,    1083.8,    1083.8,       0.0);
     ( 465383.4, 3808281.9,    1083.4,    1083.4,       0.0);         ( 465403.4,
3808281.9,    1083.0,    1083.0,       0.0);
     ( 465423.4, 3808281.9,    1082.8,    1082.8,       0.0);         ( 465443.4,
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     ( 465463.4, 3808281.9,    1083.0,    1083.0,       0.0);         ( 465483.4,
3808281.9,    1083.0,    1083.0,       0.0);
     ( 465503.4, 3808281.9,    1083.0,    1083.0,       0.0);         ( 465523.4,
3808281.9,    1083.0,    1083.0,       0.0);
     ( 465543.4, 3808281.9,    1082.8,    1082.8,       0.0);         ( 465563.4,
3808281.9,    1082.4,    1082.4,       0.0);
     ( 465583.4, 3808281.9,    1082.0,    1082.0,       0.0);         ( 465603.4,
3808281.9,    1082.0,    1082.0,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19

                                  PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
```

(METERS)

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(465663.4, 3808281.9, 1081.2, 1081.2, 0.0); (465683.4, 3808281.9, 1080.9, 1080.9, 0.0);
(465703.4, 3808281.9, 1080.8, 1080.8, 0.0); (465003.4, 3808301.9, 1086.2, 1086.2, 0.0);
(465023.4, 3808301.9, 1086.7, 1086.7, 0.0); (465043.4, 3808301.9, 1087.0, 1087.0, 0.0);
(465063.4, 3808301.9, 1086.5, 1086.5, 0.0); (465083.4, 3808301.9, 1086.7, 1086.7, 0.0);
(465103.4, 3808301.9, 1087.1, 1087.1, 0.0); (465123.4, 3808301.9, 1087.0, 1087.0, 0.0);
(465143.4, 3808301.9, 1087.0, 1087.0, 0.0); (465163.4, 3808301.9, 1086.9, 1086.9, 0.0);
(465183.4, 3808301.9, 1086.3, 1086.3, 0.0); (465203.4, 3808301.9, 1086.1, 1086.1, 0.0);
(465223.4, 3808301.9, 1086.0, 1086.0, 0.0); (465243.4, 3808301.9, 1086.0, 1086.0, 0.0);
(465263.4, 3808301.9, 1085.6, 1085.6, 0.0); (465283.4, 3808301.9, 1085.0, 1085.0, 0.0);
(465303.4, 3808301.9, 1084.3, 1084.3, 0.0); (465323.4, 3808301.9, 1084.1, 1084.1, 0.0);
(465343.4, 3808301.9, 1083.9, 1083.9, 0.0); (465363.4, 3808301.9, 1083.3, 1083.3, 0.0);
(465383.4, 3808301.9, 1083.1, 1083.1, 0.0); (465403.4, 3808301.9, 1082.9, 1082.9, 0.0);
(465423.4, 3808301.9, 1082.3, 1082.3, 0.0); (465443.4, 3808301.9, 1082.1, 1082.1, 0.0);
(465463.4, 3808301.9, 1083.0, 1083.0, 0.0); (465483.4, 3808301.9, 1083.0, 1083.0, 0.0);
(465503.4, 3808301.9, 1083.0, 1083.0, 0.0); (465523.4, 3808301.9, 1082.9, 1082.9, 0.0);
(465543.4, 3808301.9, 1082.3, 1082.3, 0.0); (465563.4, 3808301.9, 1082.1, 1082.1, 0.0);
(465583.4, 3808301.9, 1082.0, 1082.0, 0.0); (465603.4, 3808301.9, 1082.0, 1082.0, 0.0);
(465623.4, 3808301.9, 1081.6, 1081.6, 0.0); (465643.4, 3808301.9, 1081.1, 1081.1, 0.0);
(465663.4, 3808301.9, 1081.0, 1081.0, 0.0); (465683.4, 3808301.9, 1080.6, 1080.6, 0.0);
(465703.4, 3808301.9, 1080.1, 1080.1, 0.0); (465043.4, 3808321.9, 1085.9, 1085.9, 0.0);
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(465103.4, 3808321.9, 1086.5, 1086.5, 0.0); (465123.4, 3808321.9, 1086.5, 1086.5, 0.0);
(465143.4, 3808321.9, 1086.5, 1086.5, 0.0); (465163.4, 3808321.9, 1086.4, 1086.4, 0.0);

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     ( 465183.4, 3808321.9,    1086.1,    1086.1,       0.0);         ( 465203.4,
3808321.9,    1086.0,    1086.0,       0.0);
     ( 465223.4, 3808321.9,    1085.9,    1085.9,       0.0);         ( 465243.4,
3808321.9,    1085.6,    1085.6,       0.0);
     ( 465263.4, 3808321.9,    1085.0,    1085.0,       0.0);         ( 465283.4,
3808321.9,    1084.4,    1084.4,       0.0);
     ( 465303.4, 3808321.9,    1084.1,    1084.1,       0.0);         ( 465323.4,
3808321.9,    1083.8,    1083.8,       0.0);
     ( 465343.4, 3808321.9,    1083.4,    1083.4,       0.0);         ( 465363.4,
3808321.9,    1083.1,    1083.1,       0.0);
     ( 465383.4, 3808321.9,    1082.8,    1082.8,       0.0);         ( 465403.4,
3808321.9,    1082.4,    1082.4,       0.0);
     ( 465423.4, 3808321.9,    1082.1,    1082.1,       0.0);         ( 465443.4,
3808321.9,    1082.0,    1082.0,       0.0);
     ( 465463.4, 3808321.9,    1082.5,    1082.5,       0.0);         ( 465483.4,
3808321.9,    1082.5,    1082.5,       0.0);
     ( 465503.4, 3808321.9,    1082.5,    1082.5,       0.0);         ( 465523.4,
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     ( 465543.4, 3808321.9,    1082.1,    1082.1,       0.0);         ( 465563.4,
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     ( 465623.4, 3808321.9,    1081.3,    1081.3,       0.0);         ( 465643.4,
3808321.9,    1080.9,    1080.9,       0.0);
     ( 465663.4, 3808321.9,    1080.6,    1080.6,       0.0);         ( 465683.4,
3808321.9,    1080.3,    1080.3,       0.0);
     ( 465703.4, 3808321.9,    1079.9,    1079.9,       0.0);         ( 465083.4,
3808341.9,    1085.8,    1085.8,       0.0);
     ( 465103.4, 3808341.9,    1085.8,    1085.8,       0.0);         ( 465123.4,
3808341.9,    1086.0,    1086.0,       0.0);
     ( 465143.4, 3808341.9,    1086.0,    1086.0,       0.0);         ( 465163.4,
3808341.9,    1086.0,    1086.0,       0.0);
     ( 465183.4, 3808341.9,    1086.0,    1086.0,       0.0);         ( 465203.4,
3808341.9,    1085.9,    1085.9,       0.0);
     ( 465223.4, 3808341.9,    1085.7,    1085.7,       0.0);         ( 465243.4,
3808341.9,    1085.2,    1085.2,       0.0);
     ( 465263.4, 3808341.9,    1084.5,    1084.5,       0.0);         ( 465283.4,
3808341.9,    1084.0,    1084.0,       0.0);
     ( 465303.4, 3808341.9,    1083.8,    1083.8,       0.0);         ( 465323.4,
3808341.9,    1083.3,    1083.3,       0.0);
     ( 465343.4, 3808341.9,    1082.8,    1082.8,       0.0);         ( 465363.4,
3808341.9,    1082.8,    1082.8,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19

                                  PAGE  77
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(465503.4, 3808341.9, 1082.0, 1082.0, 0.0); (465523.4, 3808341.9, 1082.0, 1082.0, 0.0);
(465543.4, 3808341.9, 1081.8, 1081.8, 0.0); (465563.4, 3808341.9, 1081.8, 1081.8, 0.0);
(465583.4, 3808341.9, 1081.7, 1081.7, 0.0); (465603.4, 3808341.9, 1081.2, 1081.2, 0.0);
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(465703.4, 3808341.9, 1079.7, 1079.7, 0.0); (465103.4, 3808361.9, 1085.2, 1085.2, 0.0);
(465123.4, 3808361.9, 1085.8, 1085.8, 0.0); (465143.4, 3808361.9, 1086.0, 1086.0, 0.0);
(465163.4, 3808361.9, 1086.0, 1086.0, 0.0); (465183.4, 3808361.9, 1086.0, 1086.0, 0.0);
(465203.4, 3808361.9, 1085.6, 1085.6, 0.0); (465223.4, 3808361.9, 1085.1, 1085.1, 0.0);
(465243.4, 3808361.9, 1085.0, 1085.0, 0.0); (465263.4, 3808361.9, 1084.5, 1084.5, 0.0);
(465283.4, 3808361.9, 1083.9, 1083.9, 0.0); (465303.4, 3808361.9, 1083.3, 1083.3, 0.0);
(465323.4, 3808361.9, 1082.7, 1082.7, 0.0); (465343.4, 3808361.9, 1082.1, 1082.1, 0.0);
(465363.4, 3808361.9, 1082.1, 1082.1, 0.0); (465383.4, 3808361.9, 1082.1, 1082.1, 0.0);
(465403.4, 3808361.9, 1081.9, 1081.9, 0.0); (465423.4, 3808361.9, 1081.3, 1081.3, 0.0);
(465443.4, 3808361.9, 1081.1, 1081.1, 0.0); (465463.4, 3808361.9, 1082.0, 1082.0, 0.0);
(465483.4, 3808361.9, 1082.0, 1082.0, 0.0); (465503.4, 3808361.9, 1082.0, 1082.0, 0.0);
(465523.4, 3808361.9, 1081.9, 1081.9, 0.0); (465543.4, 3808361.9, 1081.3, 1081.3, 0.0);
(465563.4, 3808361.9, 1081.1, 1081.1, 0.0); (465583.4, 3808361.9, 1081.1, 1081.1, 0.0);
(465603.4, 3808361.9, 1081.0, 1081.0, 0.0); (465623.4, 3808361.9, 1080.6, 1080.6, 0.0);
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     ( 465683.4, 3808361.9,    1079.6,    1079.6,       0.0);         ( 465703.4,
3808361.9,    1079.1,    1079.1,       0.0);
     ( 465183.4, 3808381.9,    1085.0,    1085.0,       0.0);         ( 465203.4,
3808381.9,    1084.7,    1084.7,       0.0);
     ( 465223.4, 3808381.9,    1084.4,    1084.4,       0.0);         ( 465243.4,
3808381.9,    1084.0,    1084.0,       0.0);
     ( 465263.4, 3808381.9,    1083.5,    1083.5,       0.0);         ( 465283.4,
3808381.9,    1082.9,    1082.9,       0.0);
     ( 465303.4, 3808381.9,    1082.6,    1082.6,       0.0);         ( 465323.4,
3808381.9,    1082.0,    1082.0,       0.0);
     ( 465343.4, 3808381.9,    1081.5,    1081.5,       0.0);         ( 465363.4,
3808381.9,    1081.5,    1081.5,       0.0);
     ( 465383.4, 3808381.9,    1081.5,    1081.5,       0.0);         ( 465403.4,
3808381.9,    1081.4,    1081.4,       0.0);
     ( 465423.4, 3808381.9,    1081.1,    1081.1,       0.0);         ( 465443.4,
3808381.9,    1081.0,    1081.0,       0.0);
     ( 465463.4, 3808381.9,    1081.5,    1081.5,       0.0);         ( 465483.4,
3808381.9,    1081.5,    1081.5,       0.0);
     ( 465503.4, 3808381.9,    1081.5,    1081.5,       0.0);         ( 465523.4,
3808381.9,    1081.4,    1081.4,       0.0);
     ( 465543.4, 3808381.9,    1081.1,    1081.1,       0.0);         ( 465563.4,
3808381.9,    1080.8,    1080.8,       0.0);
     ( 465583.4, 3808381.9,    1080.5,    1080.5,       0.0);         ( 465603.4,
3808381.9,    1080.5,    1080.5,       0.0);
     ( 465623.4, 3808381.9,    1080.3,    1080.3,       0.0);         ( 465643.4,
3808381.9,    1079.9,    1079.9,       0.0);
     ( 465663.4, 3808381.9,    1079.6,    1079.6,       0.0);         ( 465683.4,
3808381.9,    1079.3,    1079.3,       0.0);
     ( 465703.4, 3808381.9,    1078.9,    1078.9,       0.0);         ( 465303.4,
3808401.9,    1081.6,    1081.6,       0.0);
     ( 465323.4, 3808401.9,    1081.2,    1081.2,       0.0);         ( 465343.4,
3808401.9,    1080.8,    1080.8,       0.0);
     ( 465363.4, 3808401.9,    1080.8,    1080.8,       0.0);         ( 465383.4,
3808401.9,    1080.8,    1080.8,       0.0);
     ( 465403.4, 3808401.9,    1080.8,    1080.8,       0.0);         ( 465423.4,
3808401.9,    1080.8,    1080.8,       0.0);
     ( 465443.4, 3808401.9,    1080.8,    1080.8,       0.0);         ( 465463.4,
3808401.9,    1080.8,    1080.8,       0.0);
     ( 465483.4, 3808401.9,    1080.8,    1080.8,       0.0);         ( 465503.4,
3808401.9,    1080.8,    1080.8,       0.0);
     ( 465523.4, 3808401.9,    1080.8,    1080.8,       0.0);         ( 465543.4,
3808401.9,    1080.8,    1080.8,       0.0);
     ( 465563.4, 3808401.9,    1080.4,    1080.4,       0.0);         ( 465583.4,
3808401.9,    1080.0,    1080.0,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(465603.4, 3808401.9, 1080.0, 1080.0, 0.0); (465623.4, 3808401.9, 1079.9, 1079.9, 0.0);
(465643.4, 3808401.9, 1079.7, 1079.7, 0.0); (465663.4, 3808401.9, 1079.2, 1079.2, 0.0);
(465683.4, 3808401.9, 1078.9, 1078.9, 0.0); (465703.4, 3808401.9, 1078.7, 1078.7, 0.0);
(465323.4, 3808421.9, 1080.2, 1080.2, 0.0); (465343.4, 3808421.9, 1080.1, 1080.1, 0.0);
(465363.4, 3808421.9, 1080.1, 1080.1, 0.0); (465383.4, 3808421.9, 1080.1, 1080.1, 0.0);
(465403.4, 3808421.9, 1080.1, 1080.1, 0.0); (465423.4, 3808421.9, 1080.1, 1080.1, 0.0);
(465443.4, 3808421.9, 1080.1, 1080.1, 0.0); (465463.4, 3808421.9, 1080.1, 1080.1, 0.0);
(465483.4, 3808421.9, 1080.1, 1080.1, 0.0); (465503.4, 3808421.9, 1080.1, 1080.1, 0.0);
(465523.4, 3808421.9, 1080.1, 1080.1, 0.0); (465543.4, 3808421.9, 1080.1, 1080.1, 0.0);
(465563.4, 3808421.9, 1080.1, 1080.1, 0.0); (465583.4, 3808421.9, 1080.0, 1080.0, 0.0);
(465603.4, 3808421.9, 1080.0, 1080.0, 0.0); (465623.4, 3808421.9, 1079.6, 1079.6, 0.0);
(465643.4, 3808421.9, 1079.1, 1079.1, 0.0); (465663.4, 3808421.9, 1079.0, 1079.0, 0.0);
(465683.4, 3808421.9, 1078.6, 1078.6, 0.0); (465703.4, 3808421.9, 1078.1, 1078.1, 0.0);
(465323.4, 3808441.9, 1079.5, 1079.5, 0.0); (465343.4, 3808441.9, 1079.5, 1079.5, 0.0);
(465363.4, 3808441.9, 1079.9, 1079.9, 0.0); (465383.4, 3808441.9, 1080.0, 1080.0, 0.0);
(465403.4, 3808441.9, 1080.0, 1080.0, 0.0); (465423.4, 3808441.9, 1080.0, 1080.0, 0.0);
(465443.4, 3808441.9, 1080.0, 1080.0, 0.0); (465463.4, 3808441.9, 1080.0, 1080.0, 0.0);
(465483.4, 3808441.9, 1080.0, 1080.0, 0.0); (465503.4, 3808441.9, 1080.0, 1080.0, 0.0);
(465523.4, 3808441.9, 1080.0, 1080.0, 0.0); (465543.4, 3808441.9, 1080.0, 1080.0, 0.0);
(465563.4, 3808441.9, 1080.0, 1080.0, 0.0); (465583.4, 3808441.9, 1080.0, 1080.0, 0.0);
(465603.4, 3808441.9, 1080.0, 1080.0, 0.0); (465623.4, 3808441.9, 1079.5, 1079.5, 0.0);
(465643.4, 3808441.9, 1078.9, 1078.9, 0.0); (465663.4, 3808441.9, 1078.6, 1078.6, 0.0);

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     ( 465683.4, 3808441.9,    1078.3,    1078.3,       0.0);         ( 465703.4,
3808441.9,    1078.0,    1078.0,       0.0);
     ( 465343.4, 3808461.9,    1078.9,    1078.9,       0.0);         ( 465363.4,
3808461.9,    1079.4,    1079.4,       0.0);
     ( 465383.4, 3808461.9,    1079.7,    1079.7,       0.0);         ( 465403.4,
3808461.9,    1079.8,    1079.8,       0.0);
     ( 465423.4, 3808461.9,    1079.8,    1079.8,       0.0);         ( 465443.4,
3808461.9,    1079.8,    1079.8,       0.0);
     ( 465463.4, 3808461.9,    1079.8,    1079.8,       0.0);         ( 465483.4,
3808461.9,    1079.8,    1079.8,       0.0);
     ( 465503.4, 3808461.9,    1079.9,    1079.9,       0.0);         ( 465523.4,
3808461.9,    1080.0,    1080.0,       0.0);
     ( 465543.4, 3808461.9,    1080.0,    1080.0,       0.0);         ( 465563.4,
3808461.9,    1080.0,    1080.0,       0.0);
     ( 465583.4, 3808461.9,    1080.0,    1080.0,       0.0);         ( 465603.4,
3808461.9,    1080.0,    1080.0,       0.0);
     ( 465623.4, 3808461.9,    1079.5,    1079.5,       0.0);         ( 465643.4,
3808461.9,    1078.9,    1078.9,       0.0);
     ( 465663.4, 3808461.9,    1078.2,    1078.2,       0.0);         ( 465683.4,
3808461.9,    1078.0,    1078.0,       0.0);
     ( 465703.4, 3808461.9,    1078.0,    1078.0,       0.0);         ( 465343.4,
3808481.9,    1078.1,    1078.1,       0.0);
     ( 465363.4, 3808481.9,    1078.2,    1078.2,       0.0);         ( 465383.4,
3808481.9,    1078.7,    1078.7,       0.0);
     ( 465403.4, 3808481.9,    1079.1,    1079.1,       0.0);         ( 465423.4,
3808481.9,    1079.1,    1079.1,       0.0);
     ( 465443.4, 3808481.9,    1079.1,    1079.1,       0.0);         ( 465463.4,
3808481.9,    1079.1,    1079.1,       0.0);
     ( 465483.4, 3808481.9,    1079.1,    1079.1,       0.0);         ( 465503.4,
3808481.9,    1079.5,    1079.5,       0.0);
     ( 465523.4, 3808481.9,    1080.0,    1080.0,       0.0);         ( 465543.4,
3808481.9,    1080.0,    1080.0,       0.0);
     ( 465563.4, 3808481.9,    1080.0,    1080.0,       0.0);         ( 465583.4,
3808481.9,    1080.0,    1080.0,       0.0);
     ( 465603.4, 3808481.9,    1080.0,    1080.0,       0.0);         ( 465623.4,
3808481.9,    1079.5,    1079.5,       0.0);
     ( 465643.4, 3808481.9,    1078.9,    1078.9,       0.0);         ( 465663.4,
3808481.9,    1078.2,    1078.2,       0.0);
     ( 465683.4, 3808481.9,    1078.0,    1078.0,       0.0);         ( 465703.4,
3808481.9,    1077.9,    1077.9,       0.0);
     ( 465463.4, 3808501.9,    1078.9,    1078.9,       0.0);         ( 465483.4,
3808501.9,    1078.6,    1078.6,       0.0);
     ( 465503.4, 3808501.9,    1078.9,    1078.9,       0.0);         ( 465523.4,
3808501.9,    1079.5,    1079.5,       0.0);
     ( 465543.4, 3808501.9,    1079.5,    1079.5,       0.0);         ( 465563.4,
3808501.9,    1079.7,    1079.7,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(465583.4, 3808501.9, 1079.9, 1079.9, 0.0); (465603.4, 3808501.9, 1079.6, 1079.6, 0.0);
(465623.4, 3808501.9, 1079.3, 1079.3, 0.0); (465643.4, 3808501.9, 1078.9, 1078.9, 0.0);
(465663.4, 3808501.9, 1078.2, 1078.2, 0.0); (465683.4, 3808501.9, 1078.0, 1078.0, 0.0);
(465703.4, 3808501.9, 1077.9, 1077.9, 0.0); (465523.4, 3808521.9, 1078.8, 1078.8, 0.0);
(465543.4, 3808521.9, 1078.8, 1078.8, 0.0); (465563.4, 3808521.9, 1079.3, 1079.3, 0.0);
(465583.4, 3808521.9, 1079.7, 1079.7, 0.0); (465603.4, 3808521.9, 1079.2, 1079.2, 0.0);
(465623.4, 3808521.9, 1078.9, 1078.9, 0.0); (465643.4, 3808521.9, 1078.7, 1078.7, 0.0);
(465663.4, 3808521.9, 1078.2, 1078.2, 0.0); (465683.4, 3808521.9, 1077.9, 1077.9, 0.0);
(465703.4, 3808521.9, 1077.7, 1077.7, 0.0); (464239.3, 3809562.3, 1075.1, 1075.1, 0.0);
(464277.3, 3809562.3, 1074.5, 1074.5, 0.0); (463745.3, 3809591.4, 1069.0, 1069.0, 0.0);
(463783.3, 3809591.4, 1070.3, 1070.3, 0.0); (463821.3, 3809591.4, 1071.6, 1079.0, 0.0);
(463859.3, 3809591.4, 1074.2, 1077.0, 0.0); (463897.3, 3809591.4, 1077.1, 1077.1, 0.0);
(463935.3, 3809591.4, 1079.0, 1079.0, 0.0); (464239.3, 3809591.4, 1074.7, 1074.7, 0.0);
(464277.3, 3809591.4, 1074.1, 1074.1, 0.0); (463745.3, 3809620.4, 1067.1, 1067.1, 0.0);
(463783.3, 3809620.4, 1068.6, 1068.6, 0.0); (463821.3, 3809620.4, 1070.6, 1070.6, 0.0);
(463859.3, 3809620.4, 1072.6, 1072.6, 0.0); (463897.3, 3809620.4, 1075.2, 1075.2, 0.0);
(463935.3, 3809620.4, 1077.5, 1077.5, 0.0); (463973.3, 3809620.4, 1078.2, 1078.2, 0.0);
(464011.3, 3809620.4, 1078.0, 1078.0, 0.0); (464049.3, 3809620.4, 1077.2, 1077.2, 0.0);
(464087.3, 3809620.4, 1076.1, 1076.1, 0.0); (464125.3, 3809620.4, 1075.6, 1075.6, 0.0);
(464163.3, 3809620.4, 1075.0, 1075.0, 0.0); (464201.3, 3809620.4, 1074.2, 1074.2, 0.0);
(464239.3, 3809620.4, 1074.1, 1074.1, 0.0); (464277.3, 3809620.4, 1073.5, 1073.5, 0.0);

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     ( 463745.3, 3809649.5,    1065.0,    1065.0,       0.0);         ( 463783.3,
3809649.5,    1067.3,    1067.3,       0.0);
     ( 463821.3, 3809649.5,    1069.1,    1069.1,       0.0);         ( 463859.3,
3809649.5,    1071.0,    1071.0,       0.0);
     ( 463897.3, 3809649.5,    1073.2,    1073.2,       0.0);         ( 463935.3,
3809649.5,    1075.5,    1075.5,       0.0);
     ( 463973.3, 3809649.5,    1075.6,    1075.6,       0.0);         ( 464011.3,
3809649.5,    1076.2,    1076.2,       0.0);
     ( 464049.3, 3809649.5,    1076.2,    1076.2,       0.0);         ( 464087.3,
3809649.5,    1075.2,    1075.2,       0.0);
     ( 464125.3, 3809649.5,    1075.1,    1075.1,       0.0);         ( 464163.3,
3809649.5,    1074.4,    1074.4,       0.0);
     ( 464201.3, 3809649.5,    1074.0,    1074.0,       0.0);         ( 464239.3,
3809649.5,    1073.8,    1073.8,       0.0);
     ( 464277.3, 3809649.5,    1073.1,    1073.1,       0.0);         ( 464315.3,
3809649.5,    1072.3,    1072.3,       0.0);
     ( 464353.3, 3809649.5,    1072.2,    1072.2,       0.0);         ( 464391.3,
3809649.5,    1072.0,    1072.0,       0.0);
     ( 464429.3, 3809649.5,    1071.5,    1071.5,       0.0);         ( 464467.3,
3809649.5,    1071.2,    1071.2,       0.0);
     ( 464505.3, 3809649.5,    1070.9,    1070.9,       0.0);         ( 463745.3,
3809678.5,    1062.4,    1067.0,       0.0);
     ( 463783.3, 3809678.5,    1065.0,    1065.0,       0.0);         ( 463821.3,
3809678.5,    1067.7,    1067.7,       0.0);
     ( 463859.3, 3809678.5,    1069.1,    1069.1,       0.0);         ( 463897.3,
3809678.5,    1071.3,    1071.3,       0.0);
     ( 463935.3, 3809678.5,    1073.6,    1073.6,       0.0);         ( 463973.3,
3809678.5,    1074.2,    1074.2,       0.0);
     ( 464011.3, 3809678.5,    1074.4,    1074.4,       0.0);         ( 464049.3,
3809678.5,    1075.2,    1075.2,       0.0);
     ( 464087.3, 3809678.5,    1075.0,    1075.0,       0.0);         ( 464125.3,
3809678.5,    1074.6,    1074.6,       0.0);
     ( 464163.3, 3809678.5,    1074.0,    1074.0,       0.0);         ( 464201.3,
3809678.5,    1074.0,    1074.0,       0.0);
     ( 464239.3, 3809678.5,    1073.2,    1073.2,       0.0);         ( 464277.3,
3809678.5,    1072.6,    1072.6,       0.0);
     ( 464315.3, 3809678.5,    1072.0,    1072.0,       0.0);         ( 464353.3,
3809678.5,    1072.0,    1072.0,       0.0);
     ( 464391.3, 3809678.5,    1071.7,    1071.7,       0.0);         ( 464429.3,
3809678.5,    1071.1,    1071.1,       0.0);
     ( 464467.3, 3809678.5,    1071.0,    1071.0,       0.0);         ( 464505.3,
3809678.5,    1070.2,    1070.2,       0.0);
     ( 463745.3, 3809707.6,    1060.4,    1067.0,       0.0);         ( 463783.3,
3809707.6,    1062.8,    1067.0,       0.0);
     ( 463821.3, 3809707.6,    1065.5,    1065.5,       0.0);         ( 463859.3,
3809707.6,    1067.7,    1067.7,       0.0);
     ( 463897.3, 3809707.6,    1069.4,    1069.4,       0.0);         ( 463935.3,
3809707.6,    1071.7,    1071.7,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(463973.3, 3809707.6, 1072.9, 1072.9, 0.0); (464011.3, 3809707.6, 1073.3, 1073.3, 0.0);
(464049.3, 3809707.6, 1074.2, 1074.2, 0.0); (464087.3, 3809707.6, 1074.3, 1074.3, 0.0);
(464125.3, 3809707.6, 1074.1, 1074.1, 0.0); (464163.3, 3809707.6, 1074.0, 1074.0, 0.0);
(464201.3, 3809707.6, 1073.3, 1073.3, 0.0); (464239.3, 3809707.6, 1072.8, 1072.8, 0.0);
(464277.3, 3809707.6, 1072.1, 1072.1, 0.0); (464315.3, 3809707.6, 1072.0, 1072.0, 0.0);
(464353.3, 3809707.6, 1071.3, 1071.3, 0.0); (464391.3, 3809707.6, 1071.2, 1071.2, 0.0);
(464429.3, 3809707.6, 1070.5, 1070.5, 0.0); (464467.3, 3809707.6, 1070.3, 1070.3, 0.0);
(464505.3, 3809707.6, 1070.0, 1070.0, 0.0); (463745.3, 3809736.7, 1059.1, 1059.1, 0.0);
(463783.3, 3809736.7, 1060.8, 1067.0, 0.0); (463821.3, 3809736.7, 1062.7, 1068.0, 0.0);
(463859.3, 3809736.7, 1065.2, 1068.0, 0.0); (463897.3, 3809736.7, 1067.5, 1067.5, 0.0);
(463935.3, 3809736.7, 1069.2, 1069.2, 0.0); (463973.3, 3809736.7, 1071.4, 1071.4, 0.0);
(464011.3, 3809736.7, 1072.8, 1072.8, 0.0); (464049.3, 3809736.7, 1073.3, 1073.3, 0.0);
(464087.3, 3809736.7, 1074.0, 1074.0, 0.0); (464125.3, 3809736.7, 1074.0, 1074.0, 0.0);
(464163.3, 3809736.7, 1074.0, 1074.0, 0.0); (464201.3, 3809736.7, 1073.0, 1073.0, 0.0);
(464239.3, 3809736.7, 1072.7, 1072.7, 0.0); (464277.3, 3809736.7, 1072.0, 1072.0, 0.0);
(464315.3, 3809736.7, 1071.4, 1071.4, 0.0); (464353.3, 3809736.7, 1071.0, 1071.0, 0.0);
(464391.3, 3809736.7, 1070.7, 1070.7, 0.0); (464429.3, 3809736.7, 1070.1, 1070.1, 0.0);
(464467.3, 3809736.7, 1070.0, 1070.0, 0.0); (464505.3, 3809736.7, 1069.9, 1069.9, 0.0);
(463745.3, 3809765.7, 1058.2, 1058.2, 0.0); (463783.3, 3809765.7, 1059.5, 1059.5, 0.0);
(463821.3, 3809765.7, 1060.8, 1068.0, 0.0); (463859.3, 3809765.7, 1063.0, 1063.0, 0.0);

```
     ( 463897.3, 3809765.7,    1065.5,    1065.5,       0.0);         ( 463935.3,
3809765.7,    1066.8,    1070.0,       0.0);
     ( 463973.3, 3809765.7,    1068.2,    1072.0,       0.0);         ( 464011.3,
3809765.7,    1071.5,    1071.5,       0.0);
     ( 464049.3, 3809765.7,    1073.0,    1073.0,       0.0);         ( 464087.3,
3809765.7,    1073.5,    1073.5,       0.0);
     ( 464125.3, 3809765.7,    1074.0,    1074.0,       0.0);         ( 464163.3,
3809765.7,    1074.0,    1074.0,       0.0);
     ( 464201.3, 3809765.7,    1073.0,    1073.0,       0.0);         ( 464239.3,
3809765.7,    1072.7,    1072.7,       0.0);
     ( 464277.3, 3809765.7,    1072.0,    1072.0,       0.0);         ( 464315.3,
3809765.7,    1071.2,    1071.2,       0.0);
     ( 464353.3, 3809765.7,    1070.9,    1070.9,       0.0);         ( 464391.3,
3809765.7,    1070.2,    1070.2,       0.0);
     ( 464429.3, 3809765.7,    1070.0,    1070.0,       0.0);         ( 464467.3,
3809765.7,    1070.0,    1070.0,       0.0);
     ( 464505.3, 3809765.7,    1069.3,    1069.3,       0.0);         ( 463745.3,
3809794.8,    1057.3,    1057.3,       0.0);
     ( 463783.3, 3809794.8,    1057.8,    1057.8,       0.0);         ( 463821.3,
3809794.8,    1059.1,    1059.1,       0.0);
     ( 463859.3, 3809794.8,    1060.6,    1067.0,       0.0);         ( 463897.3,
3809794.8,    1062.9,    1065.0,       0.0);
     ( 463935.3, 3809794.8,    1064.2,    1072.0,       0.0);         ( 463973.3,
3809794.8,    1065.6,    1073.0,       0.0);
     ( 464011.3, 3809794.8,    1068.7,    1073.0,       0.0);         ( 464049.3,
3809794.8,    1072.3,    1072.3,       0.0);
     ( 464087.3, 3809794.8,    1073.1,    1073.1,       0.0);         ( 464125.3,
3809794.8,    1073.4,    1073.4,       0.0);
     ( 464163.3, 3809794.8,    1073.4,    1073.4,       0.0);         ( 464201.3,
3809794.8,    1073.0,    1073.0,       0.0);
     ( 464239.3, 3809794.8,    1072.3,    1072.3,       0.0);         ( 464277.3,
3809794.8,    1071.6,    1071.6,       0.0);
     ( 464315.3, 3809794.8,    1071.1,    1071.1,       0.0);         ( 464353.3,
3809794.8,    1070.3,    1070.3,       0.0);
     ( 464391.3, 3809794.8,    1070.0,    1070.0,       0.0);         ( 464429.3,
3809794.8,    1070.0,    1070.0,       0.0);
     ( 464467.3, 3809794.8,    1069.4,    1069.4,       0.0);         ( 464505.3,
3809794.8,    1069.0,    1069.0,       0.0);
     ( 463745.3, 3809823.8,    1056.5,    1056.5,       0.0);         ( 463783.3,
3809823.8,    1056.4,    1056.4,       0.0);
     ( 463821.3, 3809823.8,    1056.6,    1056.6,       0.0);         ( 463859.3,
3809823.8,    1058.2,    1065.0,       0.0);
     ( 463897.3, 3809823.8,    1060.1,    1066.0,       0.0);         ( 463935.3,
3809823.8,    1061.4,    1073.0,       0.0);
     ( 463973.3, 3809823.8,    1063.1,    1073.0,       0.0);         ( 464011.3,
3809823.8,    1065.6,    1073.0,       0.0);
     ( 464049.3, 3809823.8,    1069.5,    1072.0,       0.0);         ( 464087.3,
3809823.8,    1072.1,    1072.1,       0.0);
     ( 464125.3, 3809823.8,    1073.0,    1073.0,       0.0);         ( 464163.3,
3809823.8,    1073.0,    1073.0,       0.0);
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (464201.3, 3809823.8,   1072.4,   1072.4,   0.0);   (464239.3, 3809823.8,   1072.0,   1072.0,   0.0);
     (464277.3, 3809823.8,   1071.4,   1071.4,   0.0);   (464315.3, 3809823.8,   1070.5,   1070.5,   0.0);
     (464353.3, 3809823.8,   1070.0,   1070.0,   0.0);   (464391.3, 3809823.8,   1069.8,   1069.8,   0.0);
     (464429.3, 3809823.8,   1069.4,   1069.4,   0.0);   (464467.3, 3809823.8,   1069.0,   1069.0,   0.0);
     (464505.3, 3809823.8,   1068.4,   1068.4,   0.0);   (463745.3, 3809852.9,   1056.2,   1078.0,   0.0);
     (463783.3, 3809852.9,   1055.9,   1055.9,   0.0);   (463821.3, 3809852.9,   1055.0,   1055.0,   0.0);
     (463859.3, 3809852.9,   1056.2,   1065.0,   0.0);   (463897.3, 3809852.9,   1057.3,   1072.0,   0.0);
     (463935.3, 3809852.9,   1058.6,   1073.0,   0.0);   (463973.3, 3809852.9,   1060.5,   1073.0,   0.0);
     (464011.3, 3809852.9,   1062.7,   1073.0,   0.0);   (464049.3, 3809852.9,   1066.2,   1073.0,   0.0);
     (464087.3, 3809852.9,   1069.2,   1073.0,   0.0);   (464125.3, 3809852.9,   1071.0,   1071.0,   0.0);
     (464163.3, 3809852.9,   1071.3,   1071.3,   0.0);   (464201.3, 3809852.9,   1070.9,   1070.9,   0.0);
     (464239.3, 3809852.9,   1070.9,   1070.9,   0.0);   (464277.3, 3809852.9,   1070.6,   1070.6,   0.0);
     (464315.3, 3809852.9,   1070.1,   1070.1,   0.0);   (464353.3, 3809852.9,   1069.4,   1069.4,   0.0);
     (464391.3, 3809852.9,   1069.3,   1069.3,   0.0);   (464429.3, 3809852.9,   1069.0,   1069.0,   0.0);
     (464467.3, 3809852.9,   1068.5,   1068.5,   0.0);   (464505.3, 3809852.9,   1068.0,   1068.0,   0.0);
     (463745.3, 3809882.0,   1056.2,   1078.0,   0.0);   (463783.3, 3809882.0,   1055.3,   1055.3,   0.0);
     (463821.3, 3809882.0,   1054.3,   1054.3,   0.0);   (463859.3, 3809882.0,   1054.6,   1054.6,   0.0);
     (463897.3, 3809882.0,   1054.9,   1072.0,   0.0);   (463935.3, 3809882.0,   1055.8,   1073.0,   0.0);
     (463973.3, 3809882.0,   1058.1,   1073.0,   0.0);   (464011.3, 3809882.0,   1060.3,   1073.0,   0.0);

```
     ( 464049.3, 3809882.0,    1063.3,    1073.0,       0.0);         ( 464087.3,
3809882.0,    1065.9,    1073.0,       0.0);
     ( 464125.3, 3809882.0,    1067.9,    1073.0,       0.0);         ( 464163.3,
3809882.0,    1068.4,    1068.4,       0.0);
     ( 464201.3, 3809882.0,    1068.9,    1068.9,       0.0);         ( 464239.3,
3809882.0,    1068.9,    1068.9,       0.0);
     ( 464277.3, 3809882.0,    1069.2,    1069.2,       0.0);         ( 464315.3,
3809882.0,    1069.5,    1069.5,       0.0);
     ( 464353.3, 3809882.0,    1069.0,    1069.0,       0.0);         ( 464391.3,
3809882.0,    1069.0,    1069.0,       0.0);
     ( 464429.3, 3809882.0,    1068.7,    1068.7,       0.0);         ( 464467.3,
3809882.0,    1068.0,    1068.0,       0.0);
     ( 464505.3, 3809882.0,    1067.9,    1067.9,       0.0);         ( 463745.3,
3809911.0,    1055.7,    1078.0,       0.0);
     ( 463783.3, 3809911.0,    1054.4,    1076.0,       0.0);         ( 463821.3,
3809911.0,    1053.8,    1053.8,       0.0);
     ( 463859.3, 3809911.0,    1053.5,    1053.5,       0.0);         ( 463897.3,
3809911.0,    1053.5,    1072.0,       0.0);
     ( 463935.3, 3809911.0,    1053.8,    1073.0,       0.0);         ( 463973.3,
3809911.0,    1055.7,    1073.0,       0.0);
     ( 464011.3, 3809911.0,    1057.9,    1073.0,       0.0);         ( 464049.3,
3809911.0,    1060.9,    1073.0,       0.0);
     ( 464087.3, 3809911.0,    1063.4,    1073.0,       0.0);         ( 464125.3,
3809911.0,    1065.3,    1073.0,       0.0);
     ( 464163.3, 3809911.0,    1066.4,    1066.4,       0.0);         ( 464201.3,
3809911.0,    1067.5,    1067.5,       0.0);
     ( 464239.3, 3809911.0,    1067.6,    1067.6,       0.0);         ( 464277.3,
3809911.0,    1068.3,    1068.3,       0.0);
     ( 464315.3, 3809911.0,    1068.5,    1068.5,       0.0);         ( 464353.3,
3809911.0,    1068.5,    1068.5,       0.0);
     ( 464391.3, 3809911.0,    1068.5,    1068.5,       0.0);         ( 464429.3,
3809911.0,    1068.2,    1068.2,       0.0);
     ( 464467.3, 3809911.0,    1068.0,    1068.0,       0.0);         ( 464505.3,
3809911.0,    1067.4,    1067.4,       0.0);
     ( 463745.3, 3809940.1,    1055.0,    1079.0,       0.0);         ( 463783.3,
3809940.1,    1053.5,    1078.0,       0.0);
     ( 463821.3, 3809940.1,    1053.1,    1073.0,       0.0);         ( 463859.3,
3809940.1,    1052.5,    1052.5,       0.0);
     ( 463897.3, 3809940.1,    1052.5,    1052.5,       0.0);         ( 463935.3,
3809940.1,    1052.7,    1073.0,       0.0);
     ( 463973.3, 3809940.1,    1054.0,    1073.0,       0.0);         ( 464011.3,
3809940.1,    1055.3,    1073.0,       0.0);
     ( 464049.3, 3809940.1,    1058.1,    1073.0,       0.0);         ( 464087.3,
3809940.1,    1060.5,    1073.0,       0.0);
     ( 464125.3, 3809940.1,    1062.6,    1065.0,       0.0);         ( 464163.3,
3809940.1,    1064.7,    1064.7,       0.0);
     ( 464201.3, 3809940.1,    1066.5,    1066.5,       0.0);         ( 464239.3,
3809940.1,    1067.2,    1067.2,       0.0);
     ( 464277.3, 3809940.1,    1067.5,    1067.5,       0.0);         ( 464315.3,
3809940.1,    1067.9,    1067.9,       0.0);
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(464429.3, 3809940.1, 1068.0, 1068.0, 0.0); (464467.3, 3809940.1, 1067.6, 1067.6, 0.0);
(464505.3, 3809940.1, 1067.0, 1067.0, 0.0); (463745.3, 3809969.1, 1056.0, 1078.0, 0.0);
(463783.3, 3809969.1, 1053.3, 1076.0, 0.0); (463821.3, 3809969.1, 1052.3, 1073.0, 0.0);
(463859.3, 3809969.1, 1051.7, 1072.0, 0.0); (463897.3, 3809969.1, 1051.6, 1051.6, 0.0);
(463935.3, 3809969.1, 1051.7, 1072.0, 0.0); (463973.3, 3809969.1, 1052.8, 1073.0, 0.0);
(464011.3, 3809969.1, 1053.4, 1073.0, 0.0); (464049.3, 3809969.1, 1055.1, 1073.0, 0.0);
(464087.3, 3809969.1, 1057.6, 1073.0, 0.0); (464125.3, 3809969.1, 1060.4, 1065.0, 0.0);
(464163.3, 3809969.1, 1062.8, 1062.8, 0.0); (464201.3, 3809969.1, 1065.2, 1065.2, 0.0);
(464239.3, 3809969.1, 1066.7, 1066.7, 0.0); (464277.3, 3809969.1, 1067.0, 1067.0, 0.0);
(464315.3, 3809969.1, 1067.5, 1067.5, 0.0); (464353.3, 3809969.1, 1068.0, 1068.0, 0.0);
(464391.3, 3809969.1, 1068.0, 1068.0, 0.0); (464429.3, 3809969.1, 1067.7, 1067.7, 0.0);
(464467.3, 3809969.1, 1067.0, 1067.0, 0.0); (464505.3, 3809969.1, 1066.9, 1066.9, 0.0);
(463745.3, 3809998.2, 1058.8, 1073.0, 0.0); (463783.3, 3809998.2, 1054.6, 1073.0, 0.0);
(463821.3, 3809998.2, 1052.5, 1073.0, 0.0); (463859.3, 3809998.2, 1051.4, 1073.0, 0.0);
(463897.3, 3809998.2, 1051.0, 1070.0, 0.0); (463935.3, 3809998.2, 1050.8, 1050.8, 0.0);
(463973.3, 3809998.2, 1051.6, 1073.0, 0.0); (464011.3, 3809998.2, 1052.3, 1073.0, 0.0);
(464049.3, 3809998.2, 1053.6, 1073.0, 0.0); (464087.3, 3809998.2, 1055.7, 1073.0, 0.0);
(464125.3, 3809998.2, 1058.7, 1061.0, 0.0); (464163.3, 3809998.2, 1061.3, 1061.3, 0.0);

```
     ( 464201.3, 3809998.2,    1063.7,    1063.7,       0.0);         ( 464239.3,
3809998.2,    1065.5,    1065.5,       0.0);
     ( 464277.3, 3809998.2,    1066.6,    1066.6,       0.0);         ( 464315.3,
3809998.2,    1067.0,    1067.0,       0.0);
     ( 464353.3, 3809998.2,    1067.6,    1067.6,       0.0);         ( 464391.3,
3809998.2,    1067.6,    1067.6,       0.0);
     ( 464429.3, 3809998.2,    1067.2,    1067.2,       0.0);         ( 464467.3,
3809998.2,    1067.0,    1067.0,       0.0);
     ( 464505.3, 3809998.2,    1066.5,    1066.5,       0.0);         ( 463745.3,
3810027.3,    1061.8,    1073.0,       0.0);
     ( 463783.3, 3810027.3,    1056.8,    1073.0,       0.0);         ( 463821.3,
3810027.3,    1053.6,    1073.0,       0.0);
     ( 463859.3, 3810027.3,    1051.7,    1073.0,       0.0);         ( 463897.3,
3810027.3,    1051.0,    1072.0,       0.0);
     ( 463935.3, 3810027.3,    1050.1,    1050.1,       0.0);         ( 463973.3,
3810027.3,    1050.8,    1050.8,       0.0);
     ( 464011.3, 3810027.3,    1051.4,    1073.0,       0.0);         ( 464049.3,
3810027.3,    1052.6,    1073.0,       0.0);
     ( 464087.3, 3810027.3,    1054.0,    1061.0,       0.0);         ( 464125.3,
3810027.3,    1056.6,    1061.0,       0.0);
     ( 464163.3, 3810027.3,    1059.7,    1059.7,       0.0);         ( 464201.3,
3810027.3,    1062.3,    1062.3,       0.0);
     ( 464239.3, 3810027.3,    1063.9,    1063.9,       0.0);         ( 464277.3,
3810027.3,    1065.6,    1065.6,       0.0);
     ( 464315.3, 3810027.3,    1066.6,    1066.6,       0.0);         ( 464353.3,
3810027.3,    1067.0,    1067.0,       0.0);
     ( 464391.3, 3810027.3,    1067.0,    1067.0,       0.0);         ( 464429.3,
3810027.3,    1067.0,    1067.0,       0.0);
     ( 464467.3, 3810027.3,    1066.7,    1066.7,       0.0);         ( 464505.3,
3810027.3,    1065.9,    1065.9,       0.0);
     ( 463745.3, 3810056.3,    1065.1,    1073.0,       0.0);         ( 463783.3,
3810056.3,    1059.2,    1073.0,       0.0);
     ( 463821.3, 3810056.3,    1054.8,    1073.0,       0.0);         ( 463859.3,
3810056.3,    1052.5,    1073.0,       0.0);
     ( 463897.3, 3810056.3,    1051.1,    1073.0,       0.0);         ( 463935.3,
3810056.3,    1050.0,    1071.0,       0.0);
     ( 463973.3, 3810056.3,    1050.3,    1050.3,       0.0);         ( 464011.3,
3810056.3,    1050.6,    1050.6,       0.0);
     ( 464049.3, 3810056.3,    1051.3,    1051.3,       0.0);         ( 464087.3,
3810056.3,    1052.6,    1052.6,       0.0);
     ( 464125.3, 3810056.3,    1054.5,    1063.0,       0.0);         ( 464163.3,
3810056.3,    1057.6,    1059.0,       0.0);
     ( 464201.3, 3810056.3,    1060.4,    1060.4,       0.0);         ( 464239.3,
3810056.3,    1062.6,    1062.6,       0.0);
     ( 464277.3, 3810056.3,    1064.1,    1064.1,       0.0);         ( 464315.3,
3810056.3,    1065.5,    1065.5,       0.0);
     ( 464353.3, 3810056.3,    1066.7,    1066.7,       0.0);         ( 464391.3,
3810056.3,    1067.0,    1067.0,       0.0);
     ( 464429.3, 3810056.3,    1066.8,    1066.8,       0.0);         ( 464467.3,
3810056.3,    1066.1,    1066.1,       0.0);
```

(464505.3, 3810056.3, 1065.5, 1065.5, 0.0); (463745.3, 3810085.4, 1068.3, 1068.3, 0.0);
(463783.3, 3810085.4, 1061.8, 1073.0, 0.0); (463821.3, 3810085.4, 1056.5, 1073.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(463859.3, 3810085.4, 1053.3, 1073.0, 0.0); (463897.3, 3810085.4, 1051.4, 1073.0, 0.0);
(463935.3, 3810085.4, 1050.3, 1071.0, 0.0); (463973.3, 3810085.4, 1050.0, 1050.0, 0.0);
(464011.3, 3810085.4, 1049.8, 1049.8, 0.0); (464049.3, 3810085.4, 1049.7, 1049.7, 0.0);
(464087.3, 3810085.4, 1051.1, 1051.1, 0.0); (464125.3, 3810085.4, 1052.9, 1059.0, 0.0);
(464163.3, 3810085.4, 1055.5, 1061.0, 0.0); (464201.3, 3810085.4, 1058.2, 1058.2, 0.0);
(464239.3, 3810085.4, 1060.8, 1060.8, 0.0); (464277.3, 3810085.4, 1062.7, 1062.7, 0.0);
(464315.3, 3810085.4, 1064.2, 1064.2, 0.0); (464353.3, 3810085.4, 1065.5, 1065.5, 0.0);
(464391.3, 3810085.4, 1066.2, 1066.2, 0.0); (464429.3, 3810085.4, 1065.9, 1065.9, 0.0);
(464467.3, 3810085.4, 1065.4, 1065.4, 0.0); (464505.3, 3810085.4, 1064.7, 1064.7, 0.0);
(463745.3, 3810114.4, 1070.4, 1070.4, 0.0); (463783.3, 3810114.4, 1064.9, 1072.0, 0.0);
(463821.3, 3810114.4, 1058.8, 1073.0, 0.0); (463859.3, 3810114.4, 1055.5, 1073.0, 0.0);
(463897.3, 3810114.4, 1052.5, 1072.0, 0.0); (463935.3, 3810114.4, 1050.8, 1071.0, 0.0);
(463973.3, 3810114.4, 1049.7, 1068.0, 0.0); (464011.3, 3810114.4, 1049.2, 1049.2, 0.0);
(464049.3, 3810114.4, 1048.7, 1048.7, 0.0); (464087.3, 3810114.4, 1049.7, 1049.7, 0.0);
(464125.3, 3810114.4, 1050.9, 1057.0, 0.0); (464163.3, 3810114.4, 1053.0, 1063.0, 0.0);
(464201.3, 3810114.4, 1055.5, 1063.0, 0.0); (464239.3, 3810114.4, 1058.9, 1058.9, 0.0);
(464277.3, 3810114.4, 1061.2, 1061.2, 0.0); (464315.3, 3810114.4, 1062.3, 1062.3, 0.0);

```
     ( 464353.3, 3810114.4,    1063.2,    1063.2,       0.0);         ( 464391.3,
3810114.4,    1063.7,    1063.7,       0.0);
     ( 464429.3, 3810114.4,    1064.3,    1064.3,       0.0);         ( 464467.3,
3810114.4,    1063.8,    1063.8,       0.0);
     ( 464505.3, 3810114.4,    1063.8,    1063.8,       0.0);         ( 463745.3,
3810143.5,    1071.2,    1071.2,       0.0);
     ( 463783.3, 3810143.5,    1066.8,    1071.0,       0.0);         ( 463821.3,
3810143.5,    1062.4,    1071.0,       0.0);
     ( 463859.3, 3810143.5,    1058.3,    1071.0,       0.0);         ( 463897.3,
3810143.5,    1053.6,    1072.0,       0.0);
     ( 463935.3, 3810143.5,    1050.8,    1071.0,       0.0);         ( 463973.3,
3810143.5,    1048.9,    1069.0,       0.0);
     ( 464011.3, 3810143.5,    1048.8,    1068.0,       0.0);         ( 464049.3,
3810143.5,    1048.0,    1067.0,       0.0);
     ( 464087.3, 3810143.5,    1048.0,    1048.0,       0.0);         ( 464125.3,
3810143.5,    1049.1,    1049.1,       0.0);
     ( 464163.3, 3810143.5,    1051.0,    1063.0,       0.0);         ( 464201.3,
3810143.5,    1053.3,    1061.0,       0.0);
     ( 464239.3, 3810143.5,    1056.2,    1061.0,       0.0);         ( 464277.3,
3810143.5,    1059.4,    1061.0,       0.0);
     ( 464315.3, 3810143.5,    1060.7,    1060.7,       0.0);         ( 464353.3,
3810143.5,    1060.9,    1060.9,       0.0);
     ( 464391.3, 3810143.5,    1061.8,    1061.8,       0.0);         ( 464429.3,
3810143.5,    1062.2,    1062.2,       0.0);
     ( 464467.3, 3810143.5,    1062.7,    1062.7,       0.0);         ( 464505.3,
3810143.5,    1062.9,    1062.9,       0.0);
     ( 464383.8, 3807479.3,    1110.0,    1110.0,       0.0);         ( 464355.0,
3807405.2,    1111.0,    1111.0,       0.0);
     ( 464402.1, 3807352.1,    1111.8,    1111.8,       0.0);         ( 464367.2,
3807296.3,    1112.6,    1112.6,       0.0);
     ( 464358.5, 3807238.0,    1114.7,    1114.7,       0.0);         ( 464385.5,
3807161.3,    1114.8,    1114.8,       0.0);
     ( 463132.3, 3810926.4,    1066.9,    1066.9,       0.0);         ( 463237.8,
3811199.3,    1062.0,    1062.0,       0.0);
     ( 464944.3, 3809244.9,    1073.1,    1073.1,       0.0);         ( 465700.3,
3809255.5,    1068.0,    1068.0,       0.0);
     ( 465716.2, 3808536.5,    1077.1,    1077.1,       0.0);         ( 465544.4,
3808533.8,    1078.4,    1078.4,       0.0);
     ( 465420.1, 3808486.3,    1079.0,    1079.0,       0.0);         ( 465348.8,
3808491.6,    1077.9,    1077.9,       0.0);
     ( 465317.0, 3808444.0,    1079.4,    1079.4,       0.0);         ( 465327.6,
3808407.0,    1080.9,    1080.9,       0.0);
     ( 465108.2, 3808370.0,    1085.1,    1085.1,       0.0);         ( 464999.9,
3808301.2,    1086.3,    1086.3,       0.0);
     ( 464722.3, 3807973.5,    1093.9,    1100.0,       0.0);         ( 464717.0,
3807836.0,    1100.5,    1100.5,       0.0);
     ( 464344.3, 3807936.5,    1104.0,    1104.0,       0.0);         ( 464349.6,
3807780.5,    1095.5,    1105.0,       0.0);
     ( 464386.6, 3807785.8,    1094.8,    1104.0,       0.0);         ( 464521.4,
3807859.8,    1092.2,    1092.2,       0.0);
```

(464537.3, 3807719.7, 1103.6, 1103.6, 0.0); (464426.3, 3807614.0, 1106.2, 1106.2, 0.0);
(464368.4, 3807532.6, 1107.9, 1110.0, 0.0); (464324.6, 3807121.9, 1115.9, 1115.9, 0.0);
(464123.3, 3807123.5, 1114.4, 1114.4, 0.0); (463930.1, 3806909.3, 1122.6, 1122.6, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(463831.1, 3806906.0, 1120.4, 1122.0, 0.0); (463821.4, 3806720.9, 1127.5, 1127.5, 0.0);
(463727.2, 3806727.4, 1126.7, 1126.7, 0.0); (463599.0, 3806334.6, 1135.6, 1135.6, 0.0);
(463001.1, 3806361.5, 1143.0, 1143.0, 0.0);

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\I15 Industrial Park8.16.21\723825\723825R.SFC
Met Version: 14134
Profile file: ..\I15 Industrial Park8.16.21\723825\723825R.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23131 Upper air station no.: 3160
Name: UNKNOWN Name: DESERT_ROCK

Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	02	2	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
09	01	02	2	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
09	01	02	2	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
09	01	02	2	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0

```
 09 01 02   2 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 06 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 07  -25.6  0.245 -9.000 -9.000 -999.  291.     46.9  0.28   1.40
1.00    2.86  149.   10.0  275.1    2.0
 09 01 02   2 08    1.5 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.54  999.00  999.   -9.0  279.6    2.0
 09 01 02   2 09   28.7  0.290  0.429  0.012   89.  375.    -69.3  0.27   1.40
0.32    2.36  210.   10.0  284.1    2.0
 09 01 02   2 10 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.24  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 11 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.21  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 12 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.20  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 13  141.6 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.21    0.00    0.   10.0  292.1    2.0
 09 01 02   2 14 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.22  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 15 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.25  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 16 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.35  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 17 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
0.63  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 18 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0
 09 01 02   2 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.28   1.40
1.00  999.00  999.   -9.0  999.0   -9.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 09 01 02 01   10.0 1 -999.  -99.00  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***

INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 , L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 , L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 , L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
462160.55	3809377.75	0.22275	462051.48	3809270.62	0.19457
462014.47	3809029.10	0.11419	462010.58	3808855.75	0.07716
461936.56	3808886.92	0.07307	461936.56	3808997.94	0.08979
461909.30	3808768.10	0.05829	461835.28	3808894.71	0.06476
461845.02	3808995.99	0.07785	461833.33	3809114.80	0.09749
461843.07	3809210.24	0.13727	461809.96	3809297.89	0.15538
461856.71	3809385.54	0.16545	461841.13	3809482.92	0.16624
462004.74	3809379.69	0.19015	461763.22	3808793.43	0.04971
461753.48	3808699.93	0.04803	461835.28	3808686.30	0.04893
461823.60	3808579.17	0.04335	461761.27	3808585.02	0.04087
462301.19	3807807.15	0.06004	462304.78	3807868.16	0.05827
462216.84	3807882.52	0.05037	462116.34	3807886.11	0.04383

```
         462114.55    3807789.20        0.04372                    462012.25
3807887.90        0.03862
         462008.66    3807975.84        0.04129                    461917.14
3807972.25        0.03738
         461922.52    3808187.60        0.04825                    461908.17
3808288.10        0.04977
         461848.94    3808377.83        0.04679                    461831.00
3808494.48        0.04427
         462421.43    3808393.98        0.09794                    462459.11
3808501.66        0.10407
         462437.58    3808580.62        0.10475                    462654.73
3809189.00        0.39913
         462559.49    3809194.32        0.34840                    465763.86
3807935.19        0.18080
         465819.84    3807935.19        0.17307                    465875.82
3807935.19        0.16583
         465931.80    3807935.19        0.15909                    465987.78
3807935.19        0.15276
         466043.76    3807935.19        0.14683                    466099.74
3807935.19        0.14125
         466155.72    3807935.19        0.13601                    466211.70
3807935.19        0.13106
         466267.68    3807935.19        0.12641                    466323.66
3807935.19        0.12193
         466379.64    3807935.19        0.11779                    466435.62
3807935.19        0.11387
         466491.60    3807935.19        0.11016                    466547.58
3807935.19        0.10645
         466603.56    3807935.19        0.10307                    466659.54
3807935.19        0.09986
         466715.52    3807935.19        0.09682                    466771.50
3807935.19        0.09390
         466827.48    3807935.19        0.09105                    466883.46
3807935.19        0.08839
         465763.86    3808001.41        0.18834                    465819.84
3808001.41        0.18018
         465875.82    3808001.41        0.17254                    465931.80
3808001.41        0.16539
         465987.78    3808001.41        0.15883                    466043.76
3808001.41        0.15244
         466099.74    3808001.41        0.14676                    466155.72
3808001.41        0.14123
         466211.70    3808001.41        0.13606                    466267.68
3808001.41        0.13114
         466323.66    3808001.41        0.12649                    466379.64
3808001.41        0.12209
         466435.62    3808001.41        0.11792                    466491.60
3808001.41        0.11398
         466547.58    3808001.41        0.11018                    466603.56
3808001.41        0.10666
```

3808067.63 0.10672
466715.52 3808067.63 0.10338 466771.50
3808067.63 0.10019
466827.48 3808067.63 0.09707 466883.46
3808067.63 0.09406
465763.86 3808133.85 0.20629 465819.84
3808133.85 0.19693
465875.82 3808133.85 0.18824 465931.80
3808133.85 0.18014
465987.78 3808133.85 0.17280 466043.76
3808133.85 0.16568
466099.74 3808133.85 0.15902 466155.72
3808133.85 0.15276
466211.70 3808133.85 0.14688 466267.68
3808133.85 0.14136
466323.66 3808133.85 0.13617 466379.64
3808133.85 0.13130
466435.62 3808133.85 0.12668 466491.60
3808133.85 0.12231
466547.58 3808133.85 0.11812 466603.56
3808133.85 0.11419
466659.54 3808133.85 0.11047 466715.52
3808133.85 0.10691
466771.50 3808133.85 0.10340 466827.48
3808133.85 0.10021
466883.46 3808133.85 0.09715 465763.86
3808200.07 0.21644
465819.84 3808200.07 0.20635 465875.82
3808200.07 0.19698
465931.80 3808200.07 0.18850 465987.78
3808200.07 0.18036
466043.76 3808200.07 0.17276 466099.74
3808200.07 0.16564
466155.72 3808200.07 0.15897 466211.70
3808200.07 0.15271
466267.68 3808200.07 0.14684 466323.66
3808200.07 0.14149
466379.64 3808200.07 0.13627 466435.62
3808200.07 0.13134
466491.60 3808200.07 0.12669 466547.58
3808200.07 0.12229
466603.56 3808200.07 0.11813 466659.54
3808200.07 0.11418
466715.52 3808200.07 0.11045 466771.50
3808200.07 0.10686
466827.48 3808200.07 0.10340 466883.46
3808200.07 0.10019
465763.86 3808266.29 0.22671 465819.84
3808266.29 0.21618
465875.82 3808266.29 0.20626 465931.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466771.50	3808266.29	0.11022	466827.48	3808266.29	0.10662
466883.46	3808266.29	0.10325	465763.86	3808332.51	0.23732
465819.84	3808332.51	0.22616	465875.82	3808332.51	0.21533

```
         465931.80    3808332.51        0.20529                    465987.78
3808332.51        0.19597
         466043.76    3808332.51        0.18729                    466099.74
3808332.51        0.17920
         466155.72    3808332.51        0.17172                    466211.70
3808332.51        0.16466
         466267.68    3808332.51        0.15802                    466323.66
3808332.51        0.15207
         466379.64    3808332.51        0.14620                    466435.62
3808332.51        0.14067
         466491.60    3808332.51        0.13546                    466547.58
3808332.51        0.13054
         466603.56    3808332.51        0.12614                    466659.54
3808332.51        0.12177
         466715.52    3808332.51        0.11760                    466771.50
3808332.51        0.11348
         466827.48    3808332.51        0.10978                    466883.46
3808332.51        0.10625
         465763.86    3808398.73        0.24767                    465819.84
3808398.73        0.23567
         465875.82    3808398.73        0.22411                    465931.80
3808398.73        0.21344
         465987.78    3808398.73        0.20352                    466043.76
3808398.73        0.19431
         466099.74    3808398.73        0.18591                    466155.72
3808398.73        0.17785
         466211.70    3808398.73        0.17033                    466267.68
3808398.73        0.16368
         466323.66    3808398.73        0.15707                    466379.64
3808398.73        0.15090
         466435.62    3808398.73        0.14523                    466491.60
3808398.73        0.13979
         466547.58    3808398.73        0.13466                    466603.56
3808398.73        0.12984
         466659.54    3808398.73        0.12527                    466715.52
3808398.73        0.12089
         466771.50    3808398.73        0.11679                    466827.48
3808398.73        0.11286
         466883.46    3808398.73        0.10916                    465763.86
3808464.95        0.25737
         465819.84    3808464.95        0.24450                    465875.82
3808464.95        0.23219
         465931.80    3808464.95        0.22095                    465987.78
3808464.95        0.21058
         466043.76    3808464.95        0.20111                    466099.74
3808464.95        0.19203
         466155.72    3808464.95        0.18357                    466211.70
3808464.95        0.17569
         466267.68    3808464.95        0.16863                    466323.66
3808464.95        0.16172
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         466379.64    3808464.95        0.15542                       466435.62
3808464.95        0.14936
         466491.60    3808464.95        0.14383                       466547.58
3808464.95        0.13843
         466603.56    3808464.95        0.13336                       466659.54
3808464.95        0.12857
         466715.52    3808464.95        0.12406                       466771.50
3808464.95        0.11979
         466827.48    3808464.95        0.11575                       466883.46
3808464.95        0.11193
         465763.86    3808531.17        0.26628                       465819.84
3808531.17        0.25230
         465875.82    3808531.17        0.23944                       465931.80
3808531.17        0.22756
         465987.78    3808531.17        0.21690                       466043.76
3808531.17        0.20685
         466099.74    3808531.17        0.19754                       466155.72
3808531.17        0.18873
         466211.70    3808531.17        0.18055                       466267.68
3808531.17        0.17310
         466323.66    3808531.17        0.16610                       466379.64
3808531.17        0.15942
         466435.62    3808531.17        0.15331                       466491.60
3808531.17        0.14738
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                 INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
```

Y-COORD (M)		CONC			
	466547.58	3808531.17	0.14180	466603.56	3808531.17	0.13655
	466659.54	3808531.17	0.13159	466715.52	3808531.17	0.12694
	466771.50	3808531.17	0.12250	466827.48	3808531.17	0.11837
	466883.46	3808531.17	0.11443	465763.86	3808597.39	0.27331
	465819.84	3808597.39	0.25934	465875.82	3808597.39	0.24595
	465931.80	3808597.39	0.23326	465987.78	3808597.39	0.22220
	466043.76	3808597.39	0.21204	466099.74	3808597.39	0.20228
	466155.72	3808597.39	0.19327	466211.70	3808597.39	0.18490
	466267.68	3808597.39	0.17699	466323.66	3808597.39	0.16986
	466379.64	3808597.39	0.16312	466435.62	3808597.39	0.15663
	466491.60	3808597.39	0.15063	466547.58	3808597.39	0.14494
	466603.56	3808597.39	0.13951	466659.54	3808597.39	0.13440
	466715.52	3808597.39	0.12959	466771.50	3808597.39	0.12505
	466827.48	3808597.39	0.12075	466883.46	3808597.39	0.11677
	465763.86	3808663.61	0.27871	465819.84	3808663.61	0.26458
	465875.82	3808663.61	0.25097	465931.80	3808663.61	0.23844
	465987.78	3808663.61	0.22687	466043.76	3808663.61	0.21613
	466099.74	3808663.61	0.20633	466155.72	3808663.61	0.19702
	466211.70	3808663.61	0.18831	466267.68	3808663.61	0.18022
	466323.66	3808663.61	0.17303	466379.64	3808663.61	0.16594
	466435.62	3808663.61	0.15964	466491.60	3808663.61	0.15337
	466547.58	3808663.61	0.14746	466603.56	3808663.61	0.14191
	466659.54	3808663.61	0.13667	466715.52	3808663.61	0.13177
	466771.50	3808663.61	0.12713	466827.48		

3808663.61   0.12291
         466883.46   3808663.61   0.11873   465763.86
3808729.83   0.28325
         465819.84   3808729.83   0.26909   465875.82
3808729.83   0.25528
         465931.80   3808729.83   0.24237   465987.78
3808729.83   0.23047
         466043.76   3808729.83   0.21949   466099.74
3808729.83   0.20931
         466155.72   3808729.83   0.19985   466211.70
3808729.83   0.19102
         466267.68   3808729.83   0.18281   466323.66
3808729.83   0.17550
         466379.64   3808729.83   0.16845   466435.62
3808729.83   0.16171
         466491.60   3808729.83   0.15556   466547.58
3808729.83   0.14956
         466603.56   3808729.83   0.14392   466659.54
3808729.83   0.13890
         466715.52   3808729.83   0.13387   466771.50
3808729.83   0.12914
         466827.48   3808729.83   0.12475   466883.46
3808729.83   0.12052
         465763.86   3808796.05   0.28530   465819.84
3808796.05   0.27188
         465875.82   3808796.05   0.25753   465931.80
3808796.05   0.24478
         465987.78   3808796.05   0.23288   466043.76
3808796.05   0.22190
         466099.74   3808796.05   0.21170   466155.72
3808796.05   0.20220
         466211.70   3808796.05   0.19335   466267.68
3808796.05   0.18507

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                INCLUDING SOURCE(S):   L0005936   , L0005937
, L0005938   , L0005939   , L0005940   ,
                   L0005941   , L0005942   , L0005943   , L0005944   , L0005945
, L0005946   , L0005947   , L0005948   ,
                   L0005949   , L0005950   , L0005951   , L0005952   , L0005953
, L0005954   , L0005955   , L0005956   ,
                   L0005957   , L0005958   , L0005959   , L0005960   , L0005961

, L0005962   , L0005963   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466323.66	3808796.05	0.17744	466379.64	3808796.05	0.17025
466435.62	3808796.05	0.16367	466491.60	3808796.05	0.15724
466547.58	3808796.05	0.15124	466603.56	3808796.05	0.14575
466659.54	3808796.05	0.14040	466715.52	3808796.05	0.13542
466771.50	3808796.05	0.13066	466827.48	3808796.05	0.12614
466883.46	3808796.05	0.12199	465763.86	3808862.27	0.28486
465819.84	3808862.27	0.27128	465875.82	3808862.27	0.25840
465931.80	3808862.27	0.24573	465987.78	3808862.27	0.23396
466043.76	3808862.27	0.22302	466099.74	3808862.27	0.21306
466155.72	3808862.27	0.20335	466211.70	3808862.27	0.19450
466267.68	3808862.27	0.18649	466323.66	3808862.27	0.17875
466379.64	3808862.27	0.17161	466435.62	3808862.27	0.16487
466491.60	3808862.27	0.15853	466547.58	3808862.27	0.15258
466603.56	3808862.27	0.14688	466659.54	3808862.27	0.14168
466715.52	3808862.27	0.13658	466771.50	3808862.27	0.13181
466827.48	3808862.27	0.12736	466883.46	3808862.27	0.12311
465763.86	3808928.49	0.28198	465819.84	3808928.49	0.26874
465875.82	3808928.49	0.25673	465931.80	3808928.49	0.24510
465987.78	3808928.49	0.23407	466043.76	3808928.49	0.22382

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         466099.74    3808928.49        0.21348                      466155.72
3808928.49        0.20411
         466211.70    3808928.49        0.19536                      466267.68
3808928.49        0.18713
         466323.66    3808928.49        0.17940                      466379.64
3808928.49        0.17215
         466435.62    3808928.49        0.16556                      466491.60
3808928.49        0.15929
         466547.58    3808928.49        0.15330                      466603.56
3808928.49        0.14785
         466659.54    3808928.49        0.14247                      466715.52
3808928.49        0.13748
         466771.50    3808928.49        0.13267                      466827.48
3808928.49        0.12825
         466883.46    3808928.49        0.12393                      465763.86
3808994.71        0.28058
         465819.84    3808994.71        0.26673                      465875.82
3808994.71        0.25459
         465931.80    3808994.71        0.24379                      465987.78
3808994.71        0.23376
         466043.76    3808994.71        0.22336                      466099.74
3808994.71        0.21339
         466155.72    3808994.71        0.20394                      466211.70
3808994.71        0.19534
         466267.68    3808994.71        0.18724                      466323.66
3808994.71        0.17964
         466379.64    3808994.71        0.17250                      466435.62
3808994.71        0.16578
         466491.60    3808994.71        0.15962                      466547.58
3808994.71        0.15390
         466603.56    3808994.71        0.14830                      466659.54
3808994.71        0.14293
         466715.52    3808994.71        0.13817                      466771.50
3808994.71        0.13333
         466827.48    3808994.71        0.12875                      466883.46
3808994.71        0.12458
         465763.86    3809060.93        0.27873                      465819.84
3809060.93        0.26527
         465875.82    3809060.93        0.25331                      465931.80
3809060.93        0.24224
         465987.78    3809060.93        0.23189                      466043.76
3809060.93        0.22212
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE  92
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***

INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 , L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 , L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 , L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466099.74	3809060.93	0.21214	466155.72	3809060.93	0.20319
466211.70	3809060.93	0.19465	466267.68	3809060.93	0.18674
466323.66	3809060.93	0.17928	466379.64	3809060.93	0.17225
466435.62	3809060.93	0.16587	466491.60	3809060.93	0.15977
466547.58	3809060.93	0.15385	466603.56	3809060.93	0.14836
466659.54	3809060.93	0.14334	466715.52	3809060.93	0.13828
466771.50	3809060.93	0.13353	466827.48	3809060.93	0.12909
466883.46	3809060.93	0.12492	465763.86	3809127.15	0.27673
465819.84	3809127.15	0.26388	465875.82	3809127.15	0.25209
465931.80	3809127.15	0.24084	465987.78	3809127.15	0.23036
466043.76	3809127.15	0.21982	466099.74	3809127.15	0.21002
466155.72	3809127.15	0.20117	466211.70	3809127.15	0.19364
466267.68	3809127.15	0.18615	466323.66	3809127.15	0.17892
466379.64	3809127.15	0.17193	466435.62	3809127.15	0.16549
466491.60	3809127.15	0.15940	466547.58		

3809127.15 0.15368
466603.56 3809127.15 0.14834 466659.54
3809127.15 0.14309
466715.52 3809127.15 0.13821 466771.50
3809127.15 0.13356
466827.48 3809127.15 0.12909 466883.46
3809127.15 0.12499
465763.86 3809193.37 0.27293 465819.84
3809193.37 0.26119
465875.82 3809193.37 0.24969 465931.80
3809193.37 0.23868
465987.78 3809193.37 0.22769 466043.76
3809193.37 0.21646
466099.74 3809193.37 0.20777 466155.72
3809193.37 0.19928
466211.70 3809193.37 0.19179 466267.68
3809193.37 0.18470
466323.66 3809193.37 0.17782 466379.64
3809193.37 0.17125
466435.62 3809193.37 0.16482 466491.60
3809193.37 0.15885
466547.58 3809193.37 0.15320 466603.56
3809193.37 0.14796
466659.54 3809193.37 0.14278 466715.52
3809193.37 0.13804
466771.50 3809193.37 0.13337 466827.48
3809193.37 0.12905
466883.46 3809193.37 0.12488 465763.86
3809259.59 0.26763
465819.84 3809259.59 0.25638 465875.82
3809259.59 0.24532
465931.80 3809259.59 0.23489 465987.78
3809259.59 0.22424
466043.76 3809259.59 0.21423 466099.74
3809259.59 0.20510
466155.72 3809259.59 0.19744 466211.70
3809259.59 0.19019
466267.68 3809259.59 0.18332 466323.66
3809259.59 0.17631
466379.64 3809259.59 0.16987 466435.62
3809259.59 0.16381
466491.60 3809259.59 0.15789 466547.58
3809259.59 0.15252
466603.56 3809259.59 0.14722 466659.54
3809259.59 0.14220
466715.52 3809259.59 0.13763 466771.50
3809259.59 0.13303
466827.48 3809259.59 0.12875 466883.46
3809259.59 0.12464
464503.41 3807141.91 0.15892 464523.41

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464543.41	3807141.91	0.15745	464563.41	3807141.91	0.15534
464583.41	3807141.91	0.15458	464603.41	3807141.91	0.15252
464623.41	3807141.91	0.14991	464643.41	3807141.91	0.14807
464663.41	3807141.91	0.14529	464683.41	3807141.91	0.14217
464703.41	3807141.91	0.14003	464723.41	3807141.91	0.13672
464743.41	3807141.91	0.13282	464763.41	3807141.91	0.12930
464783.41	3807141.91	0.12553	464803.41	3807141.91	0.12197
464823.41	3807141.91	0.12025	464843.41	3807141.91	0.11732
464863.41	3807141.91	0.11387	464883.41	3807141.91	0.11104
464903.41	3807141.91	0.10964	464923.41	3807141.91	0.10878

464503.41 3807161.91 0.16197 464523.41 3807161.91 0.16187
464543.41 3807161.91 0.16014 464563.41 3807161.91 0.15781
464583.41 3807161.91 0.15685 464603.41 3807161.91 0.15549
464623.41 3807161.91 0.15355 464643.41 3807161.91 0.15019
464663.41 3807161.91 0.14772 464683.41 3807161.91 0.14541
464703.41 3807161.91 0.14169 464723.41 3807161.91 0.13770
464743.41 3807161.91 0.13395 464763.41 3807161.91 0.13207
464783.41 3807161.91 0.12877 464803.41 3807161.91 0.12491
464823.41 3807161.91 0.12145 464843.41 3807161.91 0.11786
464863.41 3807161.91 0.11474 464883.41 3807161.91 0.11401
464903.41 3807161.91 0.11202 464923.41 3807161.91 0.10984
464503.41 3807181.91 0.16651 464523.41 3807181.91 0.16514
464543.41 3807181.91 0.16355 464563.41 3807181.91 0.16167
464583.41 3807181.91 0.15946 464603.41 3807181.91 0.15771
464623.41 3807181.91 0.15578 464643.41 3807181.91 0.15189
464663.41 3807181.91 0.14935 464683.41 3807181.91 0.14713
464703.41 3807181.91 0.14291 464723.41 3807181.91 0.13955
464743.41 3807181.91 0.13663 464763.41 3807181.91 0.13376
464783.41 3807181.91 0.13007 464803.41 3807181.91 0.12632
464823.41 3807181.91 0.12403 464843.41 3807181.91 0.12087
464863.41 3807181.91 0.11754 464883.41 3807181.91 0.11574
464903.41 3807181.91 0.11433 464923.41 3807181.91 0.11319
464503.41 3807201.91 0.17099 464523.41 3807201.91 0.16836
464543.41 3807201.91 0.16690 464563.41 3807201.91 0.16552
464583.41 3807201.91 0.16247 464603.41 3807201.91 0.16007

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                  INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                                  L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                                  L0005949   , L0005950   , L0005951   , L0005952   , L0005953 , L0005954   , L0005955   , L0005956   ,
                                  L0005957   , L0005958   , L0005959   , L0005960   , L0005961 , L0005962   , L0005963   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3807221.91 0.16329
464623.41 3807221.91 0.15967 464643.41
3807221.91 0.15739
464663.41 3807221.91 0.15386 464683.41
3807221.91 0.14997
464703.41 3807221.91 0.14777 464723.41
3807221.91 0.14433
464743.41 3807221.91 0.14016 464763.41
3807221.91 0.13577
464783.41 3807221.91 0.13335 464803.41
3807221.91 0.13173
464823.41 3807221.91 0.12828 464843.41
3807221.91 0.12688
464863.41 3807221.91 0.12616 464883.41
3807221.91 0.12280
464903.41 3807221.91 0.12008 464923.41
3807221.91 0.11820
464503.41 3807241.91 0.17751 464523.41
3807241.91 0.17554
464543.41 3807241.91 0.17319 464563.41
3807241.91 0.17068
464583.41 3807241.91 0.16897 464603.41
3807241.91 0.16547
464623.41 3807241.91 0.16140 464643.41
3807241.91 0.15930
464663.41 3807241.91 0.15645 464683.41
3807241.91 0.15315
464703.41 3807241.91 0.14984 464723.41
3807241.91 0.14563
464743.41 3807241.91 0.14132 464763.41
3807241.91 0.13856
464783.41 3807241.91 0.13594 464803.41
3807241.91 0.13355
464823.41 3807241.91 0.13162 464843.41
3807241.91 0.12990
464863.41 3807241.91 0.12804 464883.41
3807241.91 0.12469
464903.41 3807241.91 0.12315 464923.41
3807241.91 0.12256
464503.41 3807261.91 0.18085 464523.41
3807261.91 0.17976
464543.41 3807261.91 0.17674 464563.41
3807261.91 0.17304
464583.41 3807261.91 0.17111 464603.41
3807261.91 0.16770
464623.41 3807261.91 0.16371 464643.41
3807261.91 0.16095
464663.41 3807261.91 0.15869 464683.41
3807261.91 0.15627
464703.41 3807261.91 0.15141 464723.41

3807261.91   0.14704
         464743.41   3807261.91   0.14335   464763.41
3807261.91   0.14160
         464783.41   3807261.91   0.13877   464803.41
3807261.91   0.13579
         464823.41   3807261.91   0.13517   464843.41
3807261.91   0.13324
         464863.41   3807261.91   0.13046   464883.41
3807261.91   0.12713
         464903.41   3807261.91   0.12722   464923.41
3807261.91   0.12842
         464503.41   3807281.91   0.18400   464523.41
3807281.91   0.18266
         464543.41   3807281.91   0.17935   464563.41
3807281.91   0.17534
         464583.41   3807281.91   0.17319   464603.41
3807281.91   0.17071
         464623.41   3807281.91   0.16772   464643.41
3807281.91   0.16302

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                  INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                 L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                 L0005949   , L0005950   , L0005951   , L0005952   , L0005953 , L0005954   , L0005955   , L0005956   ,
                 L0005957   , L0005958   , L0005959   , L0005960   , L0005961 , L0005962   , L0005963   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
        464703.41    3807281.91        0.15249                    464723.41
3807281.91        0.14957
        464743.41    3807281.91        0.14749                    464763.41
3807281.91        0.14342
        464783.41    3807281.91        0.14157                    464803.41
3807281.91        0.14060
        464823.41    3807281.91        0.13726                    464843.41
3807281.91        0.13651
        464863.41    3807281.91        0.13653                    464883.41
3807281.91        0.13322
        464903.41    3807281.91        0.13364                    464923.41
3807281.91        0.13520
        464503.41    3807301.91        0.18891                    464523.41
3807301.91        0.18598
        464543.41    3807301.91        0.18282                    464563.41
3807301.91        0.17940
        464583.41    3807301.91        0.17568                    464603.41
3807301.91        0.17278
        464623.41    3807301.91        0.16987                    464643.41
3807301.91        0.16455
        464663.41    3807301.91        0.16129                    464683.41
3807301.91        0.15872
        464703.41    3807301.91        0.15356                    464723.41
3807301.91        0.15093
        464743.41    3807301.91        0.14961                    464763.41
3807301.91        0.14718
        464783.41    3807301.91        0.14496                    464803.41
3807301.91        0.14260
        464823.41    3807301.91        0.13864                    464843.41
3807301.91        0.13823
        464863.41    3807301.91        0.13951                    464883.41
3807301.91        0.13907
        464903.41    3807301.91        0.13874                    464923.41
3807301.91        0.14274
        464503.41    3807321.91        0.19373                    464523.41
3807321.91        0.18921
        464543.41    3807321.91        0.18619                    464563.41
3807321.91        0.18336
        464583.41    3807321.91        0.17806                    464603.41
3807321.91        0.17453
        464623.41    3807321.91        0.17146                    464643.41
3807321.91        0.16590
        464663.41    3807321.91        0.16253                    464683.41
3807321.91        0.16001
        464703.41    3807321.91        0.15542                    464723.41
3807321.91        0.15261
        464743.41    3807321.91        0.15104                    464763.41
3807321.91        0.15087
        464783.41    3807321.91        0.14803                    464803.41
3807321.91        0.14398
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         464823.41    3807321.91        0.14100                      464843.41
3807321.91        0.14116
         464863.41    3807321.91        0.14294                      464883.41
3807321.91        0.14423
         464903.41    3807321.91        0.14756                      464923.41
3807321.91        0.14475
         464503.41    3807341.91        0.19688                      464523.41
3807341.91        0.19199
         464543.41    3807341.91        0.18867                      464563.41
3807341.91        0.18558
         464583.41    3807341.91        0.17996                      464603.41
3807341.91        0.17621
         464623.41    3807341.91        0.17299                      464643.41
3807341.91        0.16721
         464663.41    3807341.91        0.16374                      464683.41
3807341.91        0.16163
         464703.41    3807341.91        0.15961                      464723.41
3807341.91        0.15599
         464743.41    3807341.91        0.15220                      464763.41
3807341.91        0.15214
         464783.41    3807341.91        0.14934                      464803.41
3807341.91        0.14592
         464823.41    3807341.91        0.14660                      464843.41
3807341.91        0.14826
         464863.41    3807341.91        0.14986                      464883.41
3807341.91        0.14740
         464903.41    3807341.91        0.14949                      464923.41
3807341.91        0.14861
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                  INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464503.41	3807361.91	0.20024	464523.41	3807361.91	0.19647
464543.41	3807361.91	0.19236	464563.41	3807361.91	0.18773
464583.41	3807361.91	0.18178	464603.41	3807361.91	0.17783
464623.41	3807361.91	0.17477	464643.41	3807361.91	0.17059
464663.41	3807361.91	0.16650	464683.41	3807361.91	0.16288
464703.41	3807361.91	0.16147	464723.41	3807361.91	0.15928
464743.41	3807361.91	0.15672	464763.41	3807361.91	0.15441
464783.41	3807361.91	0.15264	464803.41	3807361.91	0.15185
464823.41	3807361.91	0.15370	464843.41	3807361.91	0.15393
464863.41	3807361.91	0.15802	464883.41	3807361.91	0.15467
464903.41	3807361.91	0.15739	464923.41	3807361.91	0.16219
464503.41	3807381.91	0.20433	464523.41	3807381.91	0.20106
464543.41	3807381.91	0.19595	464563.41	3807381.91	0.18990
464583.41	3807381.91	0.18425	464603.41	3807381.91	0.17993
464623.41	3807381.91	0.17647	464643.41	3807381.91	0.17398
464663.41	3807381.91	0.16978	464683.41	3807381.91	0.16518
464703.41	3807381.91	0.16301	464723.41	3807381.91	0.16214
464743.41	3807381.91	0.16154	464763.41	3807381.91	0.15788
464783.41	3807381.91	0.15690	464803.41	3807381.91	0.15762
464823.41	3807381.91	0.15998	464843.41	3807381.91	0.16370
464863.41	3807381.91	0.16033	464883.41	3807381.91	0.16076
464903.41	3807381.91	0.16755	464923.41		

3807381.91   0.20850
         464503.41   3807401.91   0.21016   464523.41
3807401.91   0.20449
         464543.41   3807401.91   0.19830   464563.41
3807401.91   0.19229
         464583.41   3807401.91   0.18866   464603.41
3807401.91   0.18341
         464623.41   3807401.91   0.17789   464643.41
3807401.91   0.17537
         464663.41   3807401.91   0.17299   464683.41
3807401.91   0.17037
         464703.41   3807401.91   0.16539   464723.41
3807401.91   0.16359
         464743.41   3807401.91   0.16379   464763.41
3807401.91   0.16414
         464783.41   3807401.91   0.16200   464803.41
3807401.91   0.15952
         464823.41   3807401.91   0.16206   464843.41
3807401.91   0.16593
         464863.41   3807401.91   0.16467   464883.41
3807401.91   0.17708
         464903.41   3807401.91   0.19829   464923.41
3807401.91   0.21483
         464503.41   3807421.91   0.21382   464523.41
3807421.91   0.20730
         464543.41   3807421.91   0.20180   464563.41
3807421.91   0.19675
         464583.41   3807421.91   0.19163   464603.41
3807421.91   0.18673
         464623.41   3807421.91   0.18204   464643.41
3807421.91   0.17750
         464663.41   3807421.91   0.17481   464683.41
3807421.91   0.17315
         464703.41   3807421.91   0.17015   464723.41
3807421.91   0.16746
         464743.41   3807421.91   0.16558   464763.41
3807421.91   0.16694

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                 INCLUDING SOURCE(S):   L0005936   , L0005937
, L0005938   , L0005939   , L0005940   ,
                L0005941   , L0005942   , L0005943   , L0005944   , L0005945

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, L0005946    , L0005947    , L0005948    ,
                L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         464783.41    3807421.91        0.16694                       464803.41
3807421.91        0.16615
         464823.41    3807421.91        0.16550                       464843.41
3807421.91        0.17473
         464863.41    3807421.91        0.17971                       464883.41
3807421.91        0.20353
         464903.41    3807421.91        0.22422                       464923.41
3807421.91        0.22882
         464503.41    3807441.91        0.21694                       464523.41
3807441.91        0.21068
         464543.41    3807441.91        0.20580                       464563.41
3807441.91        0.20123
         464583.41    3807441.91        0.19484                       464603.41
3807441.91        0.19028
         464623.41    3807441.91        0.18634                       464643.41
3807441.91        0.18058
         464663.41    3807441.91        0.17706                       464683.41
3807441.91        0.17510
         464703.41    3807441.91        0.17487                       464723.41
3807441.91        0.17224
         464743.41    3807441.91        0.16904                       464763.41
3807441.91        0.16936
         464783.41    3807441.91        0.17124                       464803.41
3807441.91        0.17855
         464823.41    3807441.91        0.17457                       464843.41
3807441.91        0.18359
         464863.41    3807441.91        0.23069                       464883.41
3807441.91        0.22636
         464903.41    3807441.91        0.23313                       464923.41
3807441.91        0.27089
         464503.41    3807461.91        0.22032                       464523.41
3807461.91        0.21622
         464543.41    3807461.91        0.21021                       464563.41
3807461.91        0.20374
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         464583.41    3807461.91        0.19997                        464603.41
3807461.91        0.19437
         464623.41    3807461.91        0.18851                        464643.41
3807461.91        0.18592
         464663.41    3807461.91        0.18142                        464683.41
3807461.91        0.17677
         464703.41    3807461.91        0.17671                        464723.41
3807461.91        0.17700
         464743.41    3807461.91        0.17682                        464763.41
3807461.91        0.17306
         464783.41    3807461.91        0.17363                        464803.41
3807461.91        0.18120
         464823.41    3807461.91        0.17724                        464843.41
3807461.91        0.18649
         464863.41    3807461.91        0.23438                        464883.41
3807461.91        0.23000
         464903.41    3807461.91        0.23691                        464923.41
3807461.91        0.27536
         464503.41    3807481.91        0.22325                        464523.41
3807481.91        0.21941
         464543.41    3807481.91        0.21443                        464563.41
3807481.91        0.20885
         464583.41    3807481.91        0.20337                        464603.41
3807481.91        0.19835
         464623.41    3807481.91        0.19372                        464643.41
3807481.91        0.18939
         464663.41    3807481.91        0.18571                        464683.41
3807481.91        0.18257
         464703.41    3807481.91        0.17978                        464723.41
3807481.91        0.17976
         464743.41    3807481.91        0.18041                        464763.41
3807481.91        0.17577
         464783.41    3807481.91        0.17620                        464803.41
3807481.91        0.18401
         464823.41    3807481.91        0.18010                        464843.41
3807481.91        0.18957
         464863.41    3807481.91        0.24010                        464883.41
3807481.91        0.24508
         464903.41    3807481.91        0.27994                        464923.41
3807481.91        0.27996
         464503.41    3807501.91        0.22726                        464523.41
3807501.91        0.22325
         464543.41    3807501.91        0.21891                        464563.41
3807501.91        0.21408
         464583.41    3807501.91        0.20717                        464603.41
3807501.91        0.20270
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***

INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 , L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 , L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 , L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464623.41	3807501.91	0.19917	464643.41	3807501.91	0.19338
464663.41	3807501.91	0.19052	464683.41	3807501.91	0.18879
464703.41	3807501.91	0.18438	464723.41	3807501.91	0.18324
464743.41	3807501.91	0.18317	464763.41	3807501.91	0.17998
464783.41	3807501.91	0.18018	464803.41	3807501.91	0.18725
464823.41	3807501.91	0.18768	464843.41	3807501.91	0.19540
464863.41	3807501.91	0.24599	464883.41	3807501.91	0.29161
464903.41	3807501.91	0.28978	464923.41	3807501.91	0.28466
464503.41	3807521.91	0.23441	464523.41	3807521.91	0.23045
464543.41	3807521.91	0.22398	464563.41	3807521.91	0.21693
464583.41	3807521.91	0.21346	464603.41	3807521.91	0.20784
464623.41	3807521.91	0.20196	464643.41	3807521.91	0.20038
464663.41	3807521.91	0.19632	464683.41		

3807521.91 0.19194
464703.41 3807521.91 0.19239 464723.41
3807521.91 0.18984
464743.41 3807521.91 0.18682 464763.41
3807521.91 0.18882
464783.41 3807521.91 0.18743 464803.41
3807521.91 0.19287
464823.41 3807521.91 0.20708 464843.41
3807521.91 0.23128
464863.41 3807521.91 0.25021 464883.41
3807521.91 0.29664
464903.41 3807521.91 0.29473 464923.41
3807521.91 0.28948
464503.41 3807541.91 0.24163 464523.41
3807541.91 0.23506
464543.41 3807541.91 0.22891 464563.41
3807541.91 0.22315
464583.41 3807541.91 0.21767 464603.41
3807541.91 0.21292
464623.41 3807541.91 0.20875 464643.41
3807541.91 0.20500
464663.41 3807541.91 0.20206 464683.41
3807541.91 0.19970
464703.41 3807541.91 0.19765 464723.41
3807541.91 0.19631
464743.41 3807541.91 0.19541 464763.41
3807541.91 0.19466
464783.41 3807541.91 0.19780 464803.41
3807541.91 0.19647
464823.41 3807541.91 0.23069 464843.41
3807541.91 0.26190
464863.41 3807541.91 0.26693 464883.41
3807541.91 0.30539
464903.41 3807541.91 0.29988 464923.41
3807541.91 0.29453
464503.41 3807561.91 0.24815 464523.41
3807561.91 0.23988
464543.41 3807561.91 0.23426 464563.41
3807561.91 0.22964
464583.41 3807561.91 0.22248 464603.41
3807561.91 0.21857
464623.41 3807561.91 0.21595 464643.41
3807561.91 0.21036
464663.41 3807561.91 0.20846 464683.41
3807561.91 0.20780
464703.41 3807561.91 0.20370 464723.41
3807561.91 0.20343
464743.41 3807561.91 0.21058 464763.41
3807561.91 0.20584
464783.41 3807561.91 0.20408 464803.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                   INCLUDING SOURCE(S):   L0005936   , L0005937
, L0005938   , L0005939   , L0005940   ,
                  L0005941   , L0005942   , L0005943   , L0005944   , L0005945
, L0005946   , L0005947   , L0005948   ,
                  L0005949   , L0005950   , L0005951   , L0005952   , L0005953
, L0005954   , L0005955   , L0005956   ,
                  L0005957   , L0005958   , L0005959   , L0005960   , L0005961
, L0005962   , L0005963   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464903.41   3807561.91   0.30515   464923.41
3807561.91   0.29969
         464503.41   3807581.91   0.25202   464523.41
3807581.91   0.24748
         464543.41   3807581.91   0.24048   464563.41
3807581.91   0.23316
         464583.41   3807581.91   0.23063   464603.41
3807581.91   0.22535
         464623.41   3807581.91   0.21973   464643.41
3807581.91   0.21955
         464663.41   3807581.91   0.21607   464683.41
3807581.91   0.21209
         464703.41   3807581.91   0.21380   464723.41
3807581.91   0.21175
         464743.41   3807581.91   0.21440   464763.41
3807581.91   0.20970

```
         464783.41    3807581.91        0.21797                    464803.41
3807581.91        0.25177
         464823.41    3807581.91        0.25262                    464843.41
3807581.91        0.27780
         464863.41    3807581.91        0.32242                    464883.41
3807581.91        0.31630
         464903.41    3807581.91        0.31049                    464923.41
3807581.91        0.30489
         464503.41    3807601.91        0.26031                    464523.41
3807601.91        0.25696
         464543.41    3807601.91        0.24975                    464563.41
3807601.91        0.24117
         464583.41    3807601.91        0.23616                    464603.41
3807601.91        0.23209
         464623.41    3807601.91        0.22870                    464643.41
3807601.91        0.22571
         464663.41    3807601.91        0.22357                    464683.41
3807601.91        0.22196
         464703.41    3807601.91        0.22058                    464723.41
3807601.91        0.22355
         464743.41    3807601.91        0.22096                    464763.41
3807601.91        0.22716
         464783.41    3807601.91        0.25173                    464803.41
3807601.91        0.28291
         464823.41    3807601.91        0.28834                    464843.41
3807601.91        0.32883
         464863.41    3807601.91        0.32828                    464883.41
3807601.91        0.32208
         464903.41    3807601.91        0.31604                    464923.41
3807601.91        0.31019
         464503.41    3807621.91        0.27048                    464523.41
3807621.91        0.26630
         464543.41    3807621.91        0.25869                    464563.41
3807621.91        0.24965
         464583.41    3807621.91        0.24252                    464603.41
3807621.91        0.23958
         464623.41    3807621.91        0.23809                    464643.41
3807621.91        0.23277
         464663.41    3807621.91        0.23182                    464683.41
3807621.91        0.23923
         464703.41    3807621.91        0.23334                    464723.41
3807621.91        0.23084
         464743.41    3807621.91        0.23349                    464763.41
3807621.91        0.26832
         464783.41    3807621.91        0.29448                    464803.41
3807621.91        0.29531
         464823.41    3807621.91        0.34781                    464843.41
3807621.91        0.34098
         464863.41    3807621.91        0.33434                    464883.41
3807621.91        0.32799
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                                    L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                                    L0005949   , L0005950   , L0005951   , L0005952   , L0005953 , L0005954   , L0005955   , L0005956   ,
                                    L0005957   , L0005958   , L0005959   , L0005960   , L0005961 , L0005962   , L0005963   , . . .   ,

                                                   *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                                ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

```
3807641.91        0.33396
         464903.41    3807641.91        0.32755                    464923.41
3807641.91        0.32133
         464503.41    3807661.91        0.29458                    464523.41
3807661.91        0.28384
         464543.41    3807661.91        0.27367                    464563.41
3807661.91        0.26484
         464583.41    3807661.91        0.26056                    464603.41
3807661.91        0.25730
         464623.41    3807661.91        0.25471                    464643.41
3807661.91        0.25243
         464663.41    3807661.91        0.26441                    464683.41
3807661.91        0.26963
         464703.41    3807661.91        0.26329                    464723.41
3807661.91        0.28488
         464743.41    3807661.91        0.31935                    464763.41
3807661.91        0.32492
         464783.41    3807661.91        0.37000                    464803.41
3807661.91        0.36885
         464823.41    3807661.91        0.36135                    464843.41
3807661.91        0.35407
         464863.41    3807661.91        0.34701                    464883.41
3807661.91        0.34016
         464903.41    3807661.91        0.33350                    464923.41
3807661.91        0.32703
         464503.41    3807681.91        0.30975                    464523.41
3807681.91        0.29876
         464543.41    3807681.91        0.28841                    464563.41
3807681.91        0.27872
         464583.41    3807681.91        0.26973                    464603.41
3807681.91        0.26703
         464623.41    3807681.91        0.27489                    464643.41
3807681.91        0.27350
         464663.41    3807681.91        0.28251                    464683.41
3807681.91        0.34655
         464703.41    3807681.91        0.34380                    464723.41
3807681.91        0.33850
         464743.41    3807681.91        0.33374                    464763.41
3807681.91        0.39249
         464783.41    3807681.91        0.38419                    464803.41
3807681.91        0.37612
         464823.41    3807681.91        0.36843                    464843.41
3807681.91        0.36087
         464863.41    3807681.91        0.35353                    464883.41
3807681.91        0.34649
         464903.41    3807681.91        0.33959                    464923.41
3807681.91        0.33286
         464523.41    3807701.91        0.31530                    464543.41
3807701.91        0.30472
         464563.41    3807701.91        0.29485                    464583.41
```

3807701.91   0.28569
         464603.41   3807701.91   0.27841   464623.41
3807701.91   0.28389
         464643.41   3807701.91   0.30196   464663.41
3807701.91   0.33412
         464683.41   3807701.91   0.35894   464703.41
3807701.91   0.37049
         464723.41   3807701.91   0.41880   464743.41
3807701.91   0.40948
         464763.41   3807701.91   0.40050   464783.41
3807701.91   0.39197
         464803.41   3807701.91   0.38373   464823.41
3807701.91   0.37559
         464843.41   3807701.91   0.36782   464863.41
3807701.91   0.36030
         464883.41   3807701.91   0.35289   464903.41
3807701.91   0.34578
         464923.41   3807701.91   0.33889   464543.41
3807721.91   0.33727
         464563.41   3807721.91   0.31244   464583.41
3807721.91   0.30298
         464603.41   3807721.91   0.29424   464623.41
3807721.91   0.29014

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                 L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                 L0005949   , L0005950   , L0005951   , L0005952   , L0005953 , L0005954   , L0005955   , L0005956   ,
                 L0005957   , L0005958   , L0005959   , L0005960   , L0005961 , L0005962   , L0005963   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

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 - - -
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         464743.41    3807741.91        0.42691                        464763.41
3807741.91        0.41746
         464783.41    3807741.91        0.40821                        464803.41
3807741.91        0.39922
         464823.41    3807741.91        0.39064                        464843.41
3807741.91        0.38221
         464863.41    3807741.91        0.37401                        464883.41
3807741.91        0.36623
         464903.41    3807741.91        0.35854                        464923.41
3807741.91        0.35105
         464943.41    3807741.91        0.34384                        464963.41
3807741.91        0.33676
         464983.41    3807741.91        0.32986                        465003.41
3807741.91        0.32308
         465023.41    3807741.91        0.31649                        465043.41
3807741.91        0.31011
         465063.41    3807741.91        0.30381                        465083.41
3807741.91        0.29777
         465103.41    3807741.91        0.29194                        465123.41
3807741.91        0.28624
         465143.41    3807741.91        0.28060                        465163.41
3807741.91        0.27509
         465183.41    3807741.91        0.26983                        465203.41
3807741.91        0.26473
         465223.41    3807741.91        0.25975                        465243.41
3807741.91        0.25476
         465263.41    3807741.91        0.25001                        465283.41
3807741.91        0.24544
         465303.41    3807741.91        0.24095                        465323.41
3807741.91        0.23649
         465343.41    3807741.91        0.23213                        465363.41
3807741.91        0.22798
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                    INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                 L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                 L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                 L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465383.41	3807741.91	0.22397	464543.41	3807761.91	0.55984
464563.41	3807761.91	0.47286	464583.41	3807761.91	0.43261
464603.41	3807761.91	0.37945	464623.41	3807761.91	0.38084
464643.41	3807761.91	0.42494	464663.41	3807761.91	0.47970
464683.41	3807761.91	0.46813	464703.41	3807761.91	0.45694
464723.41	3807761.91	0.44636	464743.41	3807761.91	0.43619
464763.41	3807761.91	0.42616	464783.41	3807761.91	0.41662
464803.41	3807761.91	0.40741	464823.41	3807761.91	0.39834
464843.41	3807761.91	0.38954	464863.41	3807761.91	0.38105
464883.41	3807761.91	0.37299	464903.41	3807761.91	0.36502
464923.41	3807761.91	0.35726	464943.41	3807761.91	0.34981
464963.41	3807761.91	0.34248	464983.41	3807761.91	0.33535
465003.41	3807761.91	0.32834	465023.41	3807761.91	0.32145
465043.41	3807761.91	0.31478	465063.41	3807761.91	0.30840
465083.41	3807761.91	0.30222	465103.41	3807761.91	0.29619
465123.41	3807761.91	0.29018	465143.41	3807761.91	0.28442
465163.41	3807761.91	0.27885	465183.41	3807761.91	0.27329
465203.41	3807761.91	0.26801	465223.41	3807761.91	0.26293
465243.41	3807761.91	0.25796	465263.41	3807761.91	0.25315
465283.41	3807761.91	0.24844	465303.41		

3807761.91   0.24370
         465323.41   3807761.91   0.23919   465343.41
3807761.91   0.23483
         465363.41   3807761.91   0.23044   465383.41
3807761.91   0.22631
         464543.41   3807781.91   0.57554   464563.41
3807781.91   0.55953
         464583.41   3807781.91   0.54443   464603.41
3807781.91   0.53004
         464623.41   3807781.91   0.51629   464643.41
3807781.91   0.50323
         464663.41   3807781.91   0.49084   464683.41
3807781.91   0.47893
         464703.41   3807781.91   0.46729   464723.41
3807781.91   0.45618
         464743.41   3807781.91   0.44552   464763.41
3807781.91   0.43523
         464783.41   3807781.91   0.42527   464803.41
3807781.91   0.41561
         464823.41   3807781.91   0.40617   464843.41
3807781.91   0.39712
         464863.41   3807781.91   0.38839   464883.41
3807781.91   0.37991
         464903.41   3807781.91   0.37168   464923.41
3807781.91   0.36368
         464943.41   3807781.91   0.35588   464963.41
3807781.91   0.34828
         464983.41   3807781.91   0.34086   465003.41
3807781.91   0.33364
         465023.41   3807781.91   0.32655   465043.41
3807781.91   0.31964
         465063.41   3807781.91   0.31309   465083.41
3807781.91   0.30666
         465103.41   3807781.91   0.30037   465123.41
3807781.91   0.29426
         465143.41   3807781.91   0.28831   465163.41
3807781.91   0.28252
         465183.41   3807781.91   0.27690   465203.41
3807781.91   0.27151
         465223.41   3807781.91   0.26629   465243.41
3807781.91   0.26111

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937
, L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945
, L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953
, L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961
, L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465263.41	3807781.91	0.25615	465283.41	3807781.91	0.25136
465303.41	3807781.91	0.24659	465323.41	3807781.91	0.24196
465343.41	3807781.91	0.23744	465363.41	3807781.91	0.23306
465383.41	3807781.91	0.22887	464543.41	3807801.91	0.59087
464563.41	3807801.91	0.57496	464583.41	3807801.91	0.55921
464603.41	3807801.91	0.54398	464623.41	3807801.91	0.52933
464643.41	3807801.91	0.51531	464663.41	3807801.91	0.50234
464683.41	3807801.91	0.49002	464703.41	3807801.91	0.47791
464723.41	3807801.91	0.46629	464743.41	3807801.91	0.45513
464763.41	3807801.91	0.44451	464783.41	3807801.91	0.43410
464803.41	3807801.91	0.42397	464823.41	3807801.91	0.41422
464843.41	3807801.91	0.40489	464863.41	3807801.91	0.39586
464883.41	3807801.91	0.38700	464903.41	3807801.91	0.37847
464923.41	3807801.91	0.37015	464943.41	3807801.91	0.36205
464963.41	3807801.91	0.35414	464983.41	3807801.91	0.34641

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        465003.41    3807801.91        0.33899                    465023.41
3807801.91        0.33170
        465043.41    3807801.91        0.32460                    465063.41
3807801.91        0.31781
        465083.41    3807801.91        0.31112                    465103.41
3807801.91        0.30460
        465123.41    3807801.91        0.29838                    465143.41
3807801.91        0.29224
        465163.41    3807801.91        0.28625                    465183.41
3807801.91        0.28061
        465203.41    3807801.91        0.27509                    465223.41
3807801.91        0.26969
        465243.41    3807801.91        0.26431                    465263.41
3807801.91        0.25922
        465283.41    3807801.91        0.25433                    465303.41
3807801.91        0.24954
        465323.41    3807801.91        0.24477                    465343.41
3807801.91        0.24012
        465363.41    3807801.91        0.23578                    465383.41
3807801.91        0.23151
        464543.41    3807821.91        0.60506                    464563.41
3807821.91        0.58920
        464583.41    3807821.91        0.57383                    464603.41
3807821.91        0.55805
        464623.41    3807821.91        0.54256                    464643.41
3807821.91        0.52795
        464663.41    3807821.91        0.51423                    464683.41
3807821.91        0.50118
        464703.41    3807821.91        0.48857                    464723.41
3807821.91        0.47664
        464743.41    3807821.91        0.46518                    464763.41
3807821.91        0.45392
        464783.41    3807821.91        0.44303                    464803.41
3807821.91        0.43254
        464823.41    3807821.91        0.42259                    464843.41
3807821.91        0.41283
        464863.41    3807821.91        0.40336                    464883.41
3807821.91        0.39426
        464903.41    3807821.91        0.38535                    464923.41
3807821.91        0.37670
        464943.41    3807821.91        0.36824                    464963.41
3807821.91        0.36005
        464983.41    3807821.91        0.35213                    465003.41
3807821.91        0.34432
        465023.41    3807821.91        0.33685                    465043.41
3807821.91        0.32962
        465063.41    3807821.91        0.32246                    465083.41
3807821.91        0.31563
        465103.41    3807821.91        0.30903                    465123.41
3807821.91        0.30245
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                  L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                  L0005949   , L0005950   , L0005951   , L0005952   , L0005953 , L0005954   , L0005955   , L0005956   ,
                  L0005957   , L0005958   , L0005959   , L0005960   , L0005961 , L0005962   , L0005963   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3807841.91 0.48731
464743.41 3807841.91 0.47526 464763.41
3807841.91 0.46350
464783.41 3807841.91 0.45228 464803.41
3807841.91 0.44148
464823.41 3807841.91 0.43103 464843.41
3807841.91 0.42092
464863.41 3807841.91 0.41111 464883.41
3807841.91 0.40158
464903.41 3807841.91 0.39232 464923.41
3807841.91 0.38331
464943.41 3807841.91 0.37456 464963.41
3807841.91 0.36606
464983.41 3807841.91 0.35782 465003.41
3807841.91 0.34984
465023.41 3807841.91 0.34209 465043.41
3807841.91 0.33457
465063.41 3807841.91 0.32729 465083.41
3807841.91 0.32023
465103.41 3807841.91 0.31337 465123.41
3807841.91 0.30672
465143.41 3807841.91 0.30027 465163.41
3807841.91 0.29403
465183.41 3807841.91 0.28811 465203.41
3807841.91 0.28227
465223.41 3807841.91 0.27656 465243.41
3807841.91 0.27100
465263.41 3807841.91 0.26571 465283.41
3807841.91 0.26060
465303.41 3807841.91 0.25553 465323.41
3807841.91 0.25070
465343.41 3807841.91 0.24602 465363.41
3807841.91 0.24136
465383.41 3807841.91 0.23684 464503.41
3807861.91 0.67116
464523.41 3807861.91 0.65007 464543.41
3807861.91 0.63086
464563.41 3807861.91 0.61354 464583.41
3807861.91 0.59925
464603.41 3807861.91 0.58509 464723.41
3807861.91 0.49823
464743.41 3807861.91 0.48554 464763.41
3807861.91 0.47331
464783.41 3807861.91 0.46174 464803.41
3807861.91 0.45060
464823.41 3807861.91 0.43966 464843.41
3807861.91 0.42915
464863.41 3807861.91 0.41894 464883.41
3807861.91 0.40903
464903.41 3807861.91 0.39938 464923.41

3807861.91 0.38998
  464943.41 3807861.91 0.38097 464963.41
3807861.91 0.37216
  464983.41 3807861.91 0.36359 465003.41
3807861.91 0.35543
  465023.41 3807861.91 0.34741 465043.41
3807861.91 0.33962
  465063.41 3807861.91 0.33221 465083.41
3807861.91 0.32491

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465103.41	3807861.91	0.31780	465123.41	3807861.91	0.31107
465143.41	3807861.91	0.30441	465163.41	3807861.91	0.29793
465183.41	3807861.91	0.29181	465203.41	3807861.91	0.28592
465223.41	3807861.91	0.28018	465243.41	3807861.91	0.27441
465263.41	3807861.91	0.26898	465283.41	3807861.91	0.26379
465303.41	3807861.91	0.25870	465323.41	3807861.91	0.25380

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        465343.41    3807861.91        0.24902                    465363.41
3807861.91        0.24419
        465383.41    3807861.91        0.23961                    464503.41
3807881.91        0.68846
        464523.41    3807881.91        0.66626                    464543.41
3807881.91        0.64619
        464723.41    3807881.91        0.50929                    464743.41
3807881.91        0.49608
        464763.41    3807881.91        0.48335                    464783.41
3807881.91        0.47132
        464803.41    3807881.91        0.45979                    464823.41
3807881.91        0.44853
        464843.41    3807881.91        0.43754                    464863.41
3807881.91        0.42690
        464883.41    3807881.91        0.41653                    464903.41
3807881.91        0.40653
        464923.41    3807881.91        0.39688                    464943.41
3807881.91        0.38740
        464963.41    3807881.91        0.37835                    464983.41
3807881.91        0.36963
        465003.41    3807881.91        0.36101                    465023.41
3807881.91        0.35282
        465043.41    3807881.91        0.34493                    465063.41
3807881.91        0.33709
        465083.41    3807881.91        0.32966                    465103.41
3807881.91        0.32251
        465123.41    3807881.91        0.31537                    465143.41
3807881.91        0.30863
        465163.41    3807881.91        0.30214                    465183.41
3807881.91        0.29564
        465203.41    3807881.91        0.28955                    465223.41
3807881.91        0.28373
        465243.41    3807881.91        0.27806                    465263.41
3807881.91        0.27259
        465283.41    3807881.91        0.26725                    465303.41
3807881.91        0.26184
        465323.41    3807881.91        0.25679                    465343.41
3807881.91        0.25196
        465363.41    3807881.91        0.24724                    465383.41
3807881.91        0.24251
        464723.41    3807901.91        0.52100                    464743.41
3807901.91        0.50692
        464763.41    3807901.91        0.49388                    464783.41
3807901.91        0.48128
        464803.41    3807901.91        0.46915                    464823.41
3807901.91        0.45748
        464843.41    3807901.91        0.44606                    464863.41
3807901.91        0.43503
        464883.41    3807901.91        0.42426                    464903.41
3807901.91        0.41382
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3807901.91 0.25496
465363.41 3807901.91 0.25021 465383.41
3807901.91 0.24549
464723.41 3807921.91 0.53315 464743.41
3807921.91 0.51826
464763.41 3807921.91 0.50469 464783.41
3807921.91 0.49152
464803.41 3807921.91 0.47882 464823.41
3807921.91 0.46664
464843.41 3807921.91 0.45479 464863.41
3807921.91 0.44334
464883.41 3807921.91 0.43213 464903.41
3807921.91 0.42126
464923.41 3807921.91 0.41082 464943.41
3807921.91 0.40096
464963.41 3807921.91 0.39140 464983.41
3807921.91 0.38211
465003.41 3807921.91 0.37291 465023.41
3807921.91 0.36405
465043.41 3807921.91 0.35554 465063.41
3807921.91 0.34751
465083.41 3807921.91 0.33958 465103.41
3807921.91 0.33189
465123.41 3807921.91 0.32465 465143.41
3807921.91 0.31748
465163.41 3807921.91 0.31051 465183.41
3807921.91 0.30397
465203.41 3807921.91 0.29768 465223.41
3807921.91 0.29157
465243.41 3807921.91 0.28541 465263.41
3807921.91 0.27959
465283.41 3807921.91 0.27405 465303.41
3807921.91 0.26873
465323.41 3807921.91 0.26339 465343.41
3807921.91 0.25816
465363.41 3807921.91 0.25333 465383.41
3807921.91 0.24860
464723.41 3807941.91 0.54507 464743.41
3807941.91 0.53026
464763.41 3807941.91 0.51570 464783.41
3807941.91 0.50199
464803.41 3807941.91 0.48882 464823.41
3807941.91 0.47604
464843.41 3807941.91 0.46371 464863.41
3807941.91 0.45168
464883.41 3807941.91 0.43997 464903.41
3807941.91 0.42886
464923.41 3807941.91 0.41827 464943.41
3807941.91 0.40809
464963.41 3807941.91 0.39808 464983.41

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3807941.91        0.38831
         465003.41    3807941.91        0.37880                        465023.41
3807941.91        0.36986
         465043.41    3807941.91        0.36129                        465063.41
3807941.91        0.35277
         465083.41    3807941.91        0.34474                        465103.41
3807941.91        0.33703
         465123.41    3807941.91        0.32933                        465143.41
3807941.91        0.32209
         465163.41    3807941.91        0.31514                        465183.41
3807941.91        0.30817
         465203.41    3807941.91        0.30167                        465223.41
3807941.91        0.29549
         465243.41    3807941.91        0.28946                        465263.41
3807941.91        0.28343
         465283.41    3807941.91        0.27756                        465303.41
3807941.91        0.27216
         465323.41    3807941.91        0.26688                        465343.41
3807941.91        0.26176
         465363.41    3807941.91        0.25683                        465383.41
3807941.91        0.25185
         465403.41    3807941.91        0.24697                        465423.41
3807941.91        0.24244
         465443.41    3807941.91        0.23807                        465463.41
3807941.91        0.23391
         465483.41    3807941.91        0.22976                        465503.41
3807941.91        0.22575
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                   INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465523.41	3807941.91	0.22183	465543.41	3807941.91	0.21781
465563.41	3807941.91	0.21404	465583.41	3807941.91	0.21045
465603.41	3807941.91	0.20699	465623.41	3807941.91	0.20347
465643.41	3807941.91	0.19999	465663.41	3807941.91	0.19677
465683.41	3807941.91	0.19350	465703.41	3807941.91	0.19029
464723.41	3807961.91	0.55585	464743.41	3807961.91	0.54184
464763.41	3807961.91	0.52711	464783.41	3807961.91	0.51272
464803.41	3807961.91	0.49896	464823.41	3807961.91	0.48566
464843.41	3807961.91	0.47282	464863.41	3807961.91	0.46040
464883.41	3807961.91	0.44828	464903.41	3807961.91	0.43684
464923.41	3807961.91	0.42590	464943.41	3807961.91	0.41521
464963.41	3807961.91	0.40493	464983.41	3807961.91	0.39499
465003.41	3807961.91	0.38521	465023.41	3807961.91	0.37605
465043.41	3807961.91	0.36730	465063.41	3807961.91	0.35849
465083.41	3807961.91	0.35011	465103.41	3807961.91	0.34210
465123.41	3807961.91	0.33438	465143.41	3807961.91	0.32691
465163.41	3807961.91	0.31970	465183.41	3807961.91	0.31274
465203.41	3807961.91	0.30599	465223.41	3807961.91	0.29951
465243.41	3807961.91	0.29342	465263.41	3807961.91	0.28740
465283.41	3807961.91	0.28155	465303.41	3807961.91	0.27603
465323.41	3807961.91	0.27055	465343.41	3807961.91	0.26521
465363.41	3807961.91	0.26020	465383.41	3807961.91	0.25523

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         465403.41    3807961.91        0.25035                        465423.41
3807961.91        0.24560
         465443.41    3807961.91        0.24111                        465463.41
3807961.91        0.23705
         465483.41    3807961.91        0.23270                        465503.41
3807961.91        0.22860
         465523.41    3807961.91        0.22463                        465543.41
3807961.91        0.22065
         465563.41    3807961.91        0.21689                        465583.41
3807961.91        0.21325
         465603.41    3807961.91        0.20958                        465623.41
3807961.91        0.20601
         465643.41    3807961.91        0.20255                        465663.41
3807961.91        0.19917
         465683.41    3807961.91        0.19588                        465703.41
3807961.91        0.19271
         464743.41    3807981.91        0.55284                        464763.41
3807981.91        0.53842
         464783.41    3807981.91        0.52371                        464803.41
3807981.91        0.50939
         464823.41    3807981.91        0.49540                        464843.41
3807981.91        0.48209
         464863.41    3807981.91        0.46936                        464883.41
3807981.91        0.45682
         464903.41    3807981.91        0.44499                        464923.41
3807981.91        0.43370
         464943.41    3807981.91        0.42257                        464963.41
3807981.91        0.41200
         464983.41    3807981.91        0.40188                        465003.41
3807981.91        0.39191
         465023.41    3807981.91        0.38247                        465043.41
3807981.91        0.37342
         465063.41    3807981.91        0.36447                        465083.41
3807981.91        0.35577
         465103.41    3807981.91        0.34741                        465123.41
3807981.91        0.33973
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 108
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                    INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                 L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
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                L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465143.41    3807981.91        0.33201                       465163.41
3807981.91        0.32446
         465183.41    3807981.91        0.31748                       465203.41
3807981.91        0.31054
         465223.41    3807981.91        0.30381                       465243.41
3807981.91        0.29761
         465263.41    3807981.91        0.29161                       465283.41
3807981.91        0.28578
         465303.41    3807981.91        0.28008                       465323.41
3807981.91        0.27438
         465343.41    3807981.91        0.26884                       465363.41
3807981.91        0.26366
         465383.41    3807981.91        0.25869                       465403.41
3807981.91        0.25385
         465423.41    3807981.91        0.24891                       465443.41
3807981.91        0.24431
         465463.41    3807981.91        0.24031                       465483.41
3807981.91        0.23579
         465503.41    3807981.91        0.23158                       465523.41
3807981.91        0.22757
         465543.41    3807981.91        0.22361                       465563.41
3807981.91        0.21981
         465583.41    3807981.91        0.21608                       465603.41
3807981.91        0.21226
         465623.41    3807981.91        0.20867                       465643.41
3807981.91        0.20520
         465663.41    3807981.91        0.20168                       465683.41
3807981.91        0.19840
         465703.41    3807981.91        0.19528                       464763.41
3808001.91        0.54919
         464783.41    3808001.91        0.53454                       464803.41
3808001.91        0.51992
         464823.41    3808001.91        0.50528                       464843.41
3808001.91        0.49151
         464863.41    3808001.91        0.47834                       464883.41
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3808001.91        0.46532
         464903.41    3808001.91        0.45313                    464923.41
3808001.91        0.44154
         464943.41    3808001.91        0.43035                    464963.41
3808001.91        0.41937
         464983.41    3808001.91        0.40875                    465003.41
3808001.91        0.39881
         465023.41    3808001.91        0.38900                    465043.41
3808001.91        0.37951
         465063.41    3808001.91        0.37064                    465083.41
3808001.91        0.36182
         465103.41    3808001.91        0.35325                    465123.41
3808001.91        0.34539
         465143.41    3808001.91        0.33749                    465163.41
3808001.91        0.32971
         465183.41    3808001.91        0.32223                    465203.41
3808001.91        0.31526
         465223.41    3808001.91        0.30865                    465243.41
3808001.91        0.30232
         465263.41    3808001.91        0.29618                    465283.41
3808001.91        0.29019
         465303.41    3808001.91        0.28407                    465323.41
3808001.91        0.27836
         465343.41    3808001.91        0.27289                    465363.41
3808001.91        0.26733
         465383.41    3808001.91        0.26219                    465403.41
3808001.91        0.25730
         465423.41    3808001.91        0.25252                    465443.41
3808001.91        0.24792
         465463.41    3808001.91        0.24354                    465483.41
3808001.91        0.23916
         465503.41    3808001.91        0.23494                    465523.41
3808001.91        0.23081
         465543.41    3808001.91        0.22656                    465563.41
3808001.91        0.22262
         465583.41    3808001.91        0.21888                    465603.41
3808001.91        0.21519
         465623.41    3808001.91        0.21146                    465643.41
3808001.91        0.20780
         465663.41    3808001.91        0.20441                    465683.41
3808001.91        0.20114
         465703.41    3808001.91        0.19792                    464763.41
3808021.91        0.55886
         464783.41    3808021.91        0.54436                    464803.41
3808021.91        0.52991
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***

INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 , L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 , L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 , L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464823.41	3808021.91	0.51525	464843.41	3808021.91	0.50119
464863.41	3808021.91	0.48763	464883.41	3808021.91	0.47444
464903.41	3808021.91	0.46175	464923.41	3808021.91	0.44960
464943.41	3808021.91	0.43816	464963.41	3808021.91	0.42700
464983.41	3808021.91	0.41620	465003.41	3808021.91	0.40578
465023.41	3808021.91	0.39578	465043.41	3808021.91	0.38616
465063.41	3808021.91	0.37687	465083.41	3808021.91	0.36793
465103.41	3808021.91	0.35933	465123.41	3808021.91	0.35102
465143.41	3808021.91	0.34301	465163.41	3808021.91	0.33526
465183.41	3808021.91	0.32754	465203.41	3808021.91	0.32043
465223.41	3808021.91	0.31369	465243.41	3808021.91	0.30695
465263.41	3808021.91	0.30061	465283.41	3808021.91	0.29453
465303.41	3808021.91	0.28846	465323.41	3808021.91	0.28257

465343.41	3808021.91	0.27687	465363.41	3808021.91	0.27136
465383.41	3808021.91	0.26617	465403.41	3808021.91	0.26116
465423.41	3808021.91	0.25613	465443.41	3808021.91	0.25139
465463.41	3808021.91	0.24712	465483.41	3808021.91	0.24252
465503.41	3808021.91	0.23818	465523.41	3808021.91	0.23399
465543.41	3808021.91	0.22979	465563.41	3808021.91	0.22570
465583.41	3808021.91	0.22175	465603.41	3808021.91	0.21805
465623.41	3808021.91	0.21434	465643.41	3808021.91	0.21071
465663.41	3808021.91	0.20730	465683.41	3808021.91	0.20388
465703.41	3808021.91	0.20049	464783.41	3808041.91	0.55382
464803.41	3808041.91	0.53965	464823.41	3808041.91	0.52529
464843.41	3808041.91	0.51108	464863.41	3808041.91	0.49725
464883.41	3808041.91	0.48389	464903.41	3808041.91	0.47078
464923.41	3808041.91	0.45812	464943.41	3808041.91	0.44635
464963.41	3808041.91	0.43505	464983.41	3808041.91	0.42410
465003.41	3808041.91	0.41314	465023.41	3808041.91	0.40287
465043.41	3808041.91	0.39309	465063.41	3808041.91	0.38341
465083.41	3808041.91	0.37429	465103.41	3808041.91	0.36557
465123.41	3808041.91	0.35691	465143.41	3808041.91	0.34875
465163.41	3808041.91	0.34095	465183.41	3808041.91	0.33316
465203.41	3808041.91	0.32585	465223.41	3808041.91	0.31884
465243.41	3808041.91	0.31181	465263.41	3808041.91	0.30522
465283.41	3808041.91	0.29897	465303.41	3808041.91	0.29300
465323.41	3808041.91	0.28697	465343.41	3808041.91	0.28106
465363.41	3808041.91	0.27557	465383.41	3808041.91	0.27030

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                  INCLUDING SOURCE(S):   L0005936   , L0005937
, L0005938   , L0005939   , L0005940   ,
                  L0005941   , L0005942   , L0005943   , L0005944   , L0005945
, L0005946   , L0005947   , L0005948   ,
                  L0005949   , L0005950   , L0005951   , L0005952   , L0005953
, L0005954   , L0005955   , L0005956   ,
                  L0005957   , L0005958   , L0005959   , L0005960   , L0005961
, L0005962   , L0005963   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        465483.41   3808041.91   0.24603   465503.41
3808041.91   0.24152
        465523.41   3808041.91   0.23723   465543.41
3808041.91   0.23312
        465563.41   3808041.91   0.22893   465583.41
3808041.91   0.22482
        465603.41   3808041.91   0.22104   465623.41
3808041.91   0.21738
        465643.41   3808041.91   0.21379   465663.41
3808041.91   0.21025
        465683.41   3808041.91   0.20668   465703.41
3808041.91   0.20318
        464803.41   3808061.91   0.54977   464823.41
3808061.91   0.53518
        464843.41   3808061.91   0.52101   464863.41
3808061.91   0.50719
        464883.41   3808061.91   0.49343   464903.41

3808061.91 0.48018
464923.41 3808061.91 0.46747 464943.41
3808061.91 0.45534
464963.41 3808061.91 0.44370 464983.41
3808061.91 0.43244
465003.41 3808061.91 0.42117 465023.41
3808061.91 0.41036
465043.41 3808061.91 0.40006 465063.41
3808061.91 0.39050
465083.41 3808061.91 0.38101 465103.41
3808061.91 0.37182
465123.41 3808061.91 0.36331 465143.41
3808061.91 0.35483
465163.41 3808061.91 0.34659 465183.41
3808061.91 0.33898
465203.41 3808061.91 0.33136 465223.41
3808061.91 0.32395
465243.41 3808061.91 0.31712 465263.41
3808061.91 0.31025
465283.41 3808061.91 0.30358 465303.41
3808061.91 0.29749
465323.41 3808061.91 0.29154 465343.41
3808061.91 0.28571
465363.41 3808061.91 0.27977 465383.41
3808061.91 0.27430
465403.41 3808061.91 0.26912 465423.41
3808061.91 0.26404
465443.41 3808061.91 0.25915 465463.41
3808061.91 0.25451
465483.41 3808061.91 0.24986 465503.41
3808061.91 0.24516
465523.41 3808061.91 0.24056 465543.41
3808061.91 0.23637
465563.41 3808061.91 0.23227 465583.41
3808061.91 0.22826
465603.41 3808061.91 0.22441 465623.41
3808061.91 0.22066
465643.41 3808061.91 0.21696 465663.41
3808061.91 0.21313
465683.41 3808061.91 0.20956 465703.41
3808061.91 0.20617
464823.41 3808081.91 0.54607 464843.41
3808081.91 0.53131
464863.41 3808081.91 0.51697 464883.41
3808081.91 0.50324
464903.41 3808081.91 0.49005 464923.41
3808081.91 0.47730
464943.41 3808081.91 0.46480 464963.41
3808081.91 0.45261
464983.41 3808081.91 0.44082 465003.41

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3808081.91        0.42951
         465023.41    3808081.91        0.41845                       465043.41
3808081.91        0.40781
         465063.41    3808081.91        0.39806                       465083.41
3808081.91        0.38830
         465103.41    3808081.91        0.37875                       465123.41
3808081.91        0.36978
         465143.41    3808081.91        0.36116                       465163.41
3808081.91        0.35286
         465183.41    3808081.91        0.34483                       465203.41
3808081.91        0.33711
         465223.41    3808081.91        0.32966                       465243.41
3808081.91        0.32244
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 111
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                  INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         465263.41    3808081.91        0.31549                       465283.41
3808081.91        0.30882
         465303.41    3808081.91        0.30258                       465323.41
3808081.91        0.29636
         465343.41    3808081.91        0.29027                       465363.41
3808081.91        0.28439
         465383.41    3808081.91        0.27885                       465403.41
3808081.91        0.27352
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        465423.41    3808081.91        0.26814                    465443.41
3808081.91        0.26309
        465463.41    3808081.91        0.25857                    465483.41
3808081.91        0.25366
        465503.41    3808081.91        0.24891                    465523.41
3808081.91        0.24430
        465543.41    3808081.91        0.23981                    465563.41
3808081.91        0.23559
        465583.41    3808081.91        0.23155                    465603.41
3808081.91        0.22762
        465623.41    3808081.91        0.22379                    465643.41
3808081.91        0.22004
        465663.41    3808081.91        0.21626                    465683.41
3808081.91        0.21268
        465703.41    3808081.91        0.20922                    464843.41
3808101.91        0.54211
        464863.41    3808101.91        0.52741                    464883.41
3808101.91        0.51375
        464903.41    3808101.91        0.50045                    464923.41
3808101.91        0.48748
        464943.41    3808101.91        0.47459                    464963.41
3808101.91        0.46191
        464983.41    3808101.91        0.44965                    465003.41
3808101.91        0.43819
        465023.41    3808101.91        0.42693                    465043.41
3808101.91        0.41606
        465063.41    3808101.91        0.40592                    465083.41
3808101.91        0.39584
        465103.41    3808101.91        0.38599                    465123.41
3808101.91        0.37661
        465143.41    3808101.91        0.36790                    465163.41
3808101.91        0.35957
        465183.41    3808101.91        0.35104                    465203.41
3808101.91        0.34313
        465223.41    3808101.91        0.33560                    465243.41
3808101.91        0.32804
        465263.41    3808101.91        0.32104                    465283.41
3808101.91        0.31441
        465303.41    3808101.91        0.30791                    465323.41
3808101.91        0.30140
        465343.41    3808101.91        0.29506                    465363.41
3808101.91        0.28919
        465383.41    3808101.91        0.28355                    465403.41
3808101.91        0.27807
        465423.41    3808101.91        0.27244                    465443.41
3808101.91        0.26723
        465463.41    3808101.91        0.26276                    465483.41
3808101.91        0.25762
        465503.41    3808101.91        0.25280                    465523.41
3808101.91        0.24817
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         465543.41    3808101.91        0.24346                       465563.41
3808101.91        0.23911
         465583.41    3808101.91        0.23498                       465603.41
3808101.91        0.23096
         465623.41    3808101.91        0.22705                       465643.41
3808101.91        0.22324
         465663.41    3808101.91        0.21947                       465683.41
3808101.91        0.21585
         465703.41    3808101.91        0.21229                       464863.41
3808121.91        0.53972
         464883.41    3808121.91        0.52559                       464903.41
3808121.91        0.51148
         464923.41    3808121.91        0.49772                       464943.41
3808121.91        0.48445
         464963.41    3808121.91        0.47167                       464983.41
3808121.91        0.45931
         465003.41    3808121.91        0.44705                       465023.41
3808121.91        0.43561
         465043.41    3808121.91        0.42471                       465063.41
3808121.91        0.41383
         465083.41    3808121.91        0.40332                       465103.41
3808121.91        0.39325
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 112
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE      ***
                                   INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - -

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3808141.91        0.33317
         465283.41    3808141.91        0.32590                        465303.41
3808141.91        0.31888
         465323.41    3808141.91        0.31209                        465343.41
3808141.91        0.30552
         465363.41    3808141.91        0.29918                        465383.41
3808141.91        0.29322
         465403.41    3808141.91        0.28748                        465423.41
3808141.91        0.28170
         465443.41    3808141.91        0.27627                        465463.41
3808141.91        0.27110
         465483.41    3808141.91        0.26607                        465503.41
3808141.91        0.26104
         465523.41    3808141.91        0.25610                        465543.41
3808141.91        0.25128
         465563.41    3808141.91        0.24676                        465583.41
3808141.91        0.24243
         465603.41    3808141.91        0.23822                        465623.41
3808141.91        0.23413
         465643.41    3808141.91        0.23011                        465663.41
3808141.91        0.22606
         465683.41    3808141.91        0.22211                        465703.41
3808141.91        0.21830
         464883.41    3808161.91        0.54918                        464903.41
3808161.91        0.53517
         464923.41    3808161.91        0.52109                        464943.41
3808161.91        0.50691
         464963.41    3808161.91        0.49334                        464983.41
3808161.91        0.48024
         465003.41    3808161.91        0.46722                        465023.41
3808161.91        0.45501
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 113
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                   INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465043.41	3808161.91	0.44335	465063.41	3808161.91	0.43168
465083.41	3808161.91	0.42055	465103.41	3808161.91	0.40998
465123.41	3808161.91	0.40016	465143.41	3808161.91	0.39042
465163.41	3808161.91	0.38099	465183.41	3808161.91	0.37224
465203.41	3808161.91	0.36353	465223.41	3808161.91	0.35509
465243.41	3808161.91	0.34726	465263.41	3808161.91	0.33944
465283.41	3808161.91	0.33185	465303.41	3808161.91	0.32482
465323.41	3808161.91	0.31777	465343.41	3808161.91	0.31091
465363.41	3808161.91	0.30456	465383.41	3808161.91	0.29849
465403.41	3808161.91	0.29257	465423.41	3808161.91	0.28649
465443.41	3808161.91	0.28087	465463.41	3808161.91	0.27555
465483.41	3808161.91	0.27030	465503.41	3808161.91	0.26528
465523.41	3808161.91	0.26036	465543.41	3808161.91	0.25529
465563.41	3808161.91	0.25061	465583.41	3808161.91	0.24618
465603.41	3808161.91	0.24187	465623.41	3808161.91	0.23763
465643.41	3808161.91	0.23349	465663.41	3808161.91	0.22953
465683.41	3808161.91	0.22547	465703.41	3808161.91	0.22147
464903.41	3808181.91	0.54761	464923.41	3808181.91	0.53313
464943.41	3808181.91	0.51848	464963.41	3808181.91	0.50445
464983.41	3808181.91	0.49100	465003.41	3808181.91	0.47803

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         465023.41    3808181.91        0.46523                       465043.41
3808181.91        0.45276
         465063.41    3808181.91        0.44069                       465083.41
3808181.91        0.42953
         465103.41    3808181.91        0.41894                       465123.41
3808181.91        0.40830
         465143.41    3808181.91        0.39843                       465163.41
3808181.91        0.38902
         465183.41    3808181.91        0.37952                       465203.41
3808181.91        0.37072
         465223.41    3808181.91        0.36231                       465243.41
3808181.91        0.35380
         465263.41    3808181.91        0.34591                       465283.41
3808181.91        0.33837
         465303.41    3808181.91        0.33070                       465323.41
3808181.91        0.32360
         465343.41    3808181.91        0.31681                       465363.41
3808181.91        0.30989
         465383.41    3808181.91        0.30353                       465403.41
3808181.91        0.29752
         465423.41    3808181.91        0.29163                       465443.41
3808181.91        0.28598
         465463.41    3808181.91        0.28044                       465483.41
3808181.91        0.27472
         465503.41    3808181.91        0.26946                       465523.41
3808181.91        0.26449
         465543.41    3808181.91        0.25959                       465563.41
3808181.91        0.25489
         465583.41    3808181.91        0.25034                       465603.41
3808181.91        0.24591
         465623.41    3808181.91        0.24137                       465643.41
3808181.91        0.23691
         465663.41    3808181.91        0.23286                       465683.41
3808181.91        0.22888
         465703.41    3808181.91        0.22494                       464923.41
3808201.91        0.54501
         464943.41    3808201.91        0.53041                       464963.41
3808201.91        0.51607
         464983.41    3808201.91        0.50218                       465003.41
3808201.91        0.48888
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 114
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
```

INCLUDING SOURCE(S): L0005936 , L0005937
, L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945
, L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953
, L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961
, L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465023.41	3808201.91	0.47558	465043.41	3808201.91	0.46264
465063.41	3808201.91	0.45059	465083.41	3808201.91	0.43898
465103.41	3808201.91	0.42782	465123.41	3808201.91	0.41714
465143.41	3808201.91	0.40684	465163.41	3808201.91	0.39693
465183.41	3808201.91	0.38742	465203.41	3808201.91	0.37824
465223.41	3808201.91	0.36939	465243.41	3808201.91	0.36088
465263.41	3808201.91	0.35266	465283.41	3808201.91	0.34472
465303.41	3808201.91	0.33708	465323.41	3808201.91	0.32968
465343.41	3808201.91	0.32254	465363.41	3808201.91	0.31565
465383.41	3808201.91	0.30897	465403.41	3808201.91	0.30255
465423.41	3808201.91	0.29658	465443.41	3808201.91	0.29080
465463.41	3808201.91	0.28516	465483.41	3808201.91	0.27948
465503.41	3808201.91	0.27414	465523.41	3808201.91	0.26903
465543.41	3808201.91	0.26408	465563.41	3808201.91	0.25910
465583.41	3808201.91	0.25424	465603.41	3808201.91	0.24971
465623.41	3808201.91	0.24516	465643.41		

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3808201.91        0.24072
         465663.41    3808201.91        0.23656                     465683.41
3808201.91        0.23238
         465703.41    3808201.91        0.22825                     464943.41
3808221.91        0.54281
         464963.41    3808221.91        0.52820                     464983.41
3808221.91        0.51382
         465003.41    3808221.91        0.50004                     465023.41
3808221.91        0.48638
         465043.41    3808221.91        0.47316                     465063.41
3808221.91        0.46090
         465083.41    3808221.91        0.44868                     465103.41
3808221.91        0.43689
         465123.41    3808221.91        0.42623                     465143.41
3808221.91        0.41555
         465163.41    3808221.91        0.40517                     465183.41
3808221.91        0.39556
         465203.41    3808221.91        0.38600                     465223.41
3808221.91        0.37674
         465243.41    3808221.91        0.36816                     465263.41
3808221.91        0.35961
         465283.41    3808221.91        0.35130                     465303.41
3808221.91        0.34362
         465323.41    3808221.91        0.33592                     465343.41
3808221.91        0.32845
         465363.41    3808221.91        0.32153                     465383.41
3808221.91        0.31459
         465403.41    3808221.91        0.30785                     465423.41
3808221.91        0.30172
         465443.41    3808221.91        0.29578                     465463.41
3808221.91        0.29002
         465483.41    3808221.91        0.28444                     465503.41
3808221.91        0.27896
         465523.41    3808221.91        0.27363                     465543.41
3808221.91        0.26854
         465563.41    3808221.91        0.26334                     465583.41
3808221.91        0.25824
         465603.41    3808221.91        0.25359                     465623.41
3808221.91        0.24902
         465643.41    3808221.91        0.24457                     465663.41
3808221.91        0.24030
         465683.41    3808221.91        0.23593                     465703.41
3808221.91        0.23163
         464963.41    3808241.91        0.54082                     464983.41
3808241.91        0.52591
         465003.41    3808241.91        0.51164                     465023.41
3808241.91        0.49787
         465043.41    3808241.91        0.48455                     465063.41
3808241.91        0.47124
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                 INCLUDING SOURCE(S):   L0005936   , L0005937
, L0005938   , L0005939   , L0005940   ,
                  L0005941   , L0005942   , L0005943   , L0005944   , L0005945
, L0005946   , L0005947   , L0005948   ,
                  L0005949   , L0005950   , L0005951   , L0005952   , L0005953
, L0005954   , L0005955   , L0005956   ,
                  L0005957   , L0005958   , L0005959   , L0005960   , L0005961
, L0005962   , L0005963   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465083.41   3808241.91   0.45840   465103.41
3808241.91   0.44618
         465123.41   3808241.91   0.43517   465143.41
3808241.91   0.42449
         465163.41   3808241.91   0.41410   465183.41
3808241.91   0.40363
         465203.41   3808241.91   0.39394   465223.41
3808241.91   0.38470
         465243.41   3808241.91   0.37534   465263.41
3808241.91   0.36669
         465283.41   3808241.91   0.35842   465303.41
3808241.91   0.35003
         465323.41   3808241.91   0.34227   465343.41
3808241.91   0.33485
         465363.41   3808241.91   0.32729   465383.41
3808241.91   0.32030
         465403.41   3808241.91   0.31370   465423.41
3808241.91   0.30738
         465443.41   3808241.91   0.30126   465463.41
3808241.91   0.29533
         465483.41   3808241.91   0.28958   465503.41
3808241.91   0.28371

```
        465523.41    3808241.91        0.27795                    465543.41
3808241.91        0.27273
        465563.41    3808241.91        0.26762                    465583.41
3808241.91        0.26264
        465603.41    3808241.91        0.25786                    465623.41
3808241.91        0.25296
        465643.41    3808241.91        0.24815                    465663.41
3808241.91        0.24379
        465683.41    3808241.91        0.23950                    465703.41
3808241.91        0.23526
        464983.41    3808261.91        0.53669                    465003.41
3808261.91        0.52255
        465023.41    3808261.91        0.50862                    465043.41
3808261.91        0.49499
        465063.41    3808261.91        0.48157                    465083.41
3808261.91        0.46872
        465103.41    3808261.91        0.45637                    465123.41
3808261.91        0.44447
        465143.41    3808261.91        0.43338                    465163.41
3808261.91        0.42278
        465183.41    3808261.91        0.41228                    465203.41
3808261.91        0.40215
        465223.41    3808261.91        0.39240                    465243.41
3808261.91        0.38303
        465263.41    3808261.91        0.37426                    465283.41
3808261.91        0.36579
        465303.41    3808261.91        0.35703                    465323.41
3808261.91        0.34880
        465343.41    3808261.91        0.34098                    465363.41
3808261.91        0.33345
        465383.41    3808261.91        0.32616                    465403.41
3808261.91        0.31916
        465423.41    3808261.91        0.31266                    465443.41
3808261.91        0.30637
        465463.41    3808261.91        0.30028                    465483.41
3808261.91        0.29438
        465503.41    3808261.91        0.28848                    465523.41
3808261.91        0.28273
        465543.41    3808261.91        0.27736                    465563.41
3808261.91        0.27197
        465583.41    3808261.91        0.26672                    465603.41
3808261.91        0.26182
        465623.41    3808261.91        0.25691                    465643.41
3808261.91        0.25208
        465663.41    3808261.91        0.24737                    465683.41
3808261.91        0.24295
        465703.41    3808261.91        0.23869                    465003.41
3808281.91        0.53345
        465023.41    3808281.91        0.51932                    465043.41
3808281.91        0.50548
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                  INCLUDING SOURCE(S):   L0005936   , L0005937
, L0005938   , L0005939   , L0005940   ,
                  L0005941   , L0005942   , L0005943   , L0005944   , L0005945
, L0005946   , L0005947   , L0005948   ,
                  L0005949   , L0005950   , L0005951   , L0005952   , L0005953
, L0005954   , L0005955   , L0005956   ,
                  L0005957   , L0005958   , L0005959   , L0005960   , L0005961
, L0005962   , L0005963   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        465223.41   3808281.91   0.40031   465243.41
3808281.91   0.39101
        465263.41   3808281.91   0.38195   465283.41
3808281.91   0.37307
        465303.41   3808281.91   0.36404   465323.41
3808281.91   0.35542
        465343.41   3808281.91   0.34723   465363.41
3808281.91   0.33967
        465383.41   3808281.91   0.33209   465403.41
3808281.91   0.32471
        465423.41   3808281.91   0.31791   465443.41
3808281.91   0.31140
        465463.41   3808281.91   0.30532   465483.41

3808281.91 0.29925
465503.41 3808281.91 0.29337 465523.41
3808281.91 0.28766
465543.41 3808281.91 0.28203 465563.41
3808281.91 0.27637
465583.41 3808281.91 0.27086 465603.41
3808281.91 0.26583
465623.41 3808281.91 0.26089 465643.41
3808281.91 0.25602
465663.41 3808281.91 0.25106 465683.41
3808281.91 0.24643
465703.41 3808281.91 0.24204 465003.41
3808301.91 0.54478
465023.41 3808301.91 0.53050 465043.41
3808301.91 0.51670
465063.41 3808301.91 0.50183 465083.41
3808301.91 0.48889
465103.41 3808301.91 0.47686 465123.41
3808301.91 0.46448
465143.41 3808301.91 0.45268 465163.41
3808301.91 0.44125
465183.41 3808301.91 0.42965 465203.41
3808301.91 0.41893
465223.41 3808301.91 0.40884 465243.41
3808301.91 0.39922
465263.41 3808301.91 0.38951 465283.41
3808301.91 0.37992
465303.41 3808301.91 0.37060 465323.41
3808301.91 0.36205
465343.41 3808301.91 0.35393 465363.41
3808301.91 0.34566
465383.41 3808301.91 0.33802 465403.41
3808301.91 0.33072
465423.41 3808301.91 0.32326 465443.41
3808301.91 0.31645
465463.41 3808301.91 0.31081 465483.41
3808301.91 0.30456
465503.41 3808301.91 0.29851 465523.41
3808301.91 0.29257
465543.41 3808301.91 0.28644 465563.41
3808301.91 0.28075
465583.41 3808301.91 0.27537 465603.41
3808301.91 0.27021
465623.41 3808301.91 0.26492 465643.41
3808301.91 0.25972
465663.41 3808301.91 0.25495 465683.41
3808301.91 0.25010
465703.41 3808301.91 0.24535 465043.41
3808321.91 0.52736
465063.41 3808321.91 0.51310 465083.41

3808321.91 0.49972
  465103.41 3808321.91 0.48694 465123.41
3808321.91 0.47426
  465143.41 3808321.91 0.46210 465163.41
3808321.91 0.45034
  465183.41 3808321.91 0.43871 465203.41
3808321.91 0.42781
  465223.41 3808321.91 0.41739 465243.41
3808321.91 0.40700
  465263.41 3808321.91 0.39677 465283.41
3808321.91 0.38687
  465303.41 3808321.91 0.37767 465323.41
3808321.91 0.36879
  465343.41 3808321.91 0.36023 465363.41
3808321.91 0.35199
  465383.41 3808321.91 0.34403 465403.41
3808321.91 0.33634

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465423.41	3808321.91	0.32894	465443.41	3808321.91	0.32201
465463.41	3808321.91	0.31585	465483.41	3808321.91	0.30943

```
         465503.41    3808321.91        0.30322                    465523.41
3808321.91        0.29716
         465543.41    3808321.91        0.29107                    465563.41
3808321.91        0.28535
         465583.41    3808321.91        0.27984                    465603.41
3808321.91        0.27428
         465623.41    3808321.91        0.26890                    465643.41
3808321.91        0.26370
         465663.41    3808321.91        0.25863                    465683.41
3808321.91        0.25372
         465703.41    3808321.91        0.24897                    465083.41
3808341.91        0.51068
         465103.41    3808341.91        0.49704                    465123.41
3808341.91        0.48416
         465143.41    3808341.91        0.47164                    465163.41
3808341.91        0.45956
         465183.41    3808341.91        0.44797                    465203.41
3808341.91        0.43671
         465223.41    3808341.91        0.42576                    465243.41
3808341.91        0.41481
         465263.41    3808341.91        0.40417                    465283.41
3808341.91        0.39400
         465303.41    3808341.91        0.38475                    465323.41
3808341.91        0.37541
         465343.41    3808341.91        0.36635                    465363.41
3808341.91        0.35824
         465383.41    3808341.91        0.35002                    465403.41
3808341.91        0.34199
         465423.41    3808341.91        0.33458                    465443.41
3808341.91        0.32750
         465463.41    3808341.91        0.32090                    465483.41
3808341.91        0.31431
         465503.41    3808341.91        0.30794                    465523.41
3808341.91        0.30176
         465543.41    3808341.91        0.29568                    465563.41
3808341.91        0.28986
         465583.41    3808341.91        0.28417                    465603.41
3808341.91        0.27832
         465623.41    3808341.91        0.27287                    465643.41
3808341.91        0.26763
         465663.41    3808341.91        0.26229                    465683.41
3808341.91        0.25732
         465703.41    3808341.91        0.25254                    465103.41
3808361.91        0.50719
         465123.41    3808361.91        0.49460                    465143.41
3808361.91        0.48187
         465163.41    3808361.91        0.46937                    465183.41
3808361.91        0.45737
         465203.41    3808361.91        0.44532                    465223.41
3808361.91        0.43362
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         465243.41    3808361.91        0.42291                       465263.41
3808361.91        0.41212
         465283.41    3808361.91        0.40154                       465303.41
3808361.91        0.39145
         465323.41    3808361.91        0.38167                       465343.41
3808361.91        0.37236
         465363.41    3808361.91        0.36403                       465383.41
3808361.91        0.35592
         465403.41    3808361.91        0.34798                       465423.41
3808361.91        0.33988
         465443.41    3808361.91        0.33248                       465463.41
3808361.91        0.32637
         465483.41    3808361.91        0.31960                       465503.41
3808361.91        0.31305
         465523.41    3808361.91        0.30663                       465543.41
3808361.91        0.30001
         465563.41    3808361.91        0.29393                       465583.41
3808361.91        0.28818
         465603.41    3808361.91        0.28255                       465623.41
3808361.91        0.27683
         465643.41    3808361.91        0.27125                       465663.41
3808361.91        0.26613
         465683.41    3808361.91        0.26092                       465703.41
3808361.91        0.25583
         465183.41    3808381.91        0.46530                       465203.41
3808381.91        0.45300
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 118
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                  INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465223.41	3808381.91	0.44119	465243.41	3808381.91	0.42981
465263.41	3808381.91	0.41861	465283.41	3808381.91	0.40778
465303.41	3808381.91	0.39776	465323.41	3808381.91	0.38782
465343.41	3808381.91	0.37825	465363.41	3808381.91	0.36971
465383.41	3808381.91	0.36147	465403.41	3808381.91	0.35346
465423.41	3808381.91	0.34544	465443.41	3808381.91	0.33793
465463.41	3808381.91	0.33127	465483.41	3808381.91	0.32433
465503.41	3808381.91	0.31763	465523.41	3808381.91	0.31109
465543.41	3808381.91	0.30453	465563.41	3808381.91	0.29817
465583.41	3808381.91	0.29207	465603.41	3808381.91	0.28639
465623.41	3808381.91	0.28071	465643.41	3808381.91	0.27512
465663.41	3808381.91	0.26969	465683.41	3808381.91	0.26444
465703.41	3808381.91	0.25935	465303.41	3808401.91	0.40361
465323.41	3808401.91	0.39367	465343.41	3808401.91	0.38401
465363.41	3808401.91	0.37526	465383.41	3808401.91	0.36682
465403.41	3808401.91	0.35868	465423.41	3808401.91	0.35082
465443.41	3808401.91	0.34323	465463.41	3808401.91	0.33591
465483.41	3808401.91	0.32882	465503.41	3808401.91	0.32197
465523.41	3808401.91	0.31534	465543.41	3808401.91	0.30892
465563.41	3808401.91	0.30239	465583.41	3808401.91	0.29601
465603.41	3808401.91	0.29020	465623.41	3808401.91	0.28451
465643.41	3808401.91	0.27890	465663.41	3808401.91	0.27320
465683.41	3808401.91	0.26789	465703.41		

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3808401.91        0.26278
         465323.41    3808421.91        0.39898                        465343.41
3808421.91        0.38959
         465363.41    3808421.91        0.38064                        465383.41
3808421.91        0.37201
         465403.41    3808421.91        0.36369                        465423.41
3808421.91        0.35565
         465443.41    3808421.91        0.34790                        465463.41
3808421.91        0.34041
         465483.41    3808421.91        0.33317                        465503.41
3808421.91        0.32617
         465523.41    3808421.91        0.31941                        465543.41
3808421.91        0.31286
         465563.41    3808421.91        0.30647                        465583.41
3808421.91        0.30027
         465603.41    3808421.91        0.29433                        465623.41
3808421.91        0.28826
         465643.41    3808421.91        0.28230                        465663.41
3808421.91        0.27684
         465683.41    3808421.91        0.27130                        465703.41
3808421.91        0.26588
         465323.41    3808441.91        0.40445                        465343.41
3808441.91        0.39504
         465363.41    3808441.91        0.38635                        465383.41
3808441.91        0.37767
         465403.41    3808441.91        0.36914                        465423.41
3808441.91        0.36092
         465443.41    3808441.91        0.35299                        465463.41
3808441.91        0.34532
         465483.41    3808441.91        0.33792                        465503.41
3808441.91        0.33077
         465523.41    3808441.91        0.32385                        465543.41
3808441.91        0.31716
         465563.41    3808441.91        0.31069                        465583.41
3808441.91        0.30442
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 119
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                  INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
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, L0005954   , L0005955   , L0005956   ,
                L0005957   , L0005958   , L0005959   , L0005960   , L0005961
, L0005962   , L0005963   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         465563.41    3808481.91        0.31887                    465583.41
3808481.91        0.31235
         465603.41    3808481.91        0.30604                    465623.41
3808481.91        0.29955
         465643.41    3808481.91        0.29309                    465663.41
3808481.91        0.28683
         465683.41    3808481.91        0.28115                    465703.41
3808481.91        0.27573
         465463.41    3808501.91        0.35827                    465483.41
3808501.91        0.35006
         465503.41    3808501.91        0.34288                    465523.41
3808501.91        0.33615
         465543.41    3808501.91        0.32908                    465563.41
3808501.91        0.32246
         465583.41    3808501.91        0.31604                    465603.41
3808501.91        0.30931
         465623.41    3808501.91        0.30282                    465643.41
3808501.91        0.29650
         465663.41    3808501.91        0.29014                    465683.41
3808501.91        0.28436
         465703.41    3808501.91        0.27883                    465523.41
3808521.91        0.33936
         465543.41    3808521.91        0.33219                    465563.41
3808521.91        0.32570
         465583.41    3808521.91        0.31940                    465603.41
3808521.91        0.31239
         465623.41    3808521.91        0.30587                    465643.41
3808521.91        0.29961
         465663.41    3808521.91        0.29327                    465683.41
3808521.91        0.28736
         465703.41    3808521.91        0.28168                    464239.31
3809562.31        0.82639
         464277.31    3809562.31        0.78888                    463745.31
3809591.37        1.09102
         463783.31    3809591.37        1.09129                    463821.31
3809591.37        1.08880
         463859.31    3809591.37        1.09106                    463897.31
3809591.37        1.09064
         463935.31    3809591.37        1.07968                    464239.31
3809591.37        0.79719
         464277.31    3809591.37        0.76141                    463745.31
3809620.43        1.03547
         463783.31    3809620.43        1.03680                    463821.31
3809620.43        1.03825
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463859.31	3809620.43	1.03677	463897.31	3809620.43	1.03503
463935.31	3809620.43	1.02761	463973.31	3809620.43	1.00723
464011.31	3809620.43	0.97944	464049.31	3809620.43	0.94544
464087.31	3809620.43	0.90866	464125.31	3809620.43	0.87328
464163.31	3809620.43	0.83761	464201.31	3809620.43	0.80082
464239.31	3809620.43	0.76844	464277.31	3809620.43	0.73501
463745.31	3809649.49	0.98325	463783.31	3809649.49	0.98893
463821.31	3809649.49	0.98888	463859.31	3809649.49	0.98682
463897.31	3809649.49	0.98348	463935.31	3809649.49	0.97644
463973.31	3809649.49	0.95519	464011.31	3809649.49	0.93301
464049.31	3809649.49	0.90561	464087.31	3809649.49	0.87148
464125.31	3809649.49	0.84048	464163.31	3809649.49	0.80621
464201.31	3809649.49	0.77357	464239.31	3809649.49	0.74224
464277.31	3809649.49	0.71035	464315.31		

3809649.49 0.67969
464353.31 3809649.49 0.65284 464391.31
3809649.49 0.62739
464429.31 3809649.49 0.60241 464467.31
3809649.49 0.57963
464505.31 3809649.49 0.55786 463745.31
3809678.55 0.93258
463783.31 3809678.55 0.93881 463821.31
3809678.55 0.94345
463859.31 3809678.55 0.93906 463897.31
3809678.55 0.93567
463935.31 3809678.55 0.92988 463973.31
3809678.55 0.91243
464011.31 3809678.55 0.89005 464049.31
3809678.55 0.86827
464087.31 3809678.55 0.83980 464125.31
3809678.55 0.80950
464163.31 3809678.55 0.77790 464201.31
3809678.55 0.74836
464239.31 3809678.55 0.71658 464277.31
3809678.55 0.68664
464315.31 3809678.55 0.65838 464353.31
3809678.55 0.63322
464391.31 3809678.55 0.60870 464429.31
3809678.55 0.58454
464467.31 3809678.55 0.56340 464505.31
3809678.55 0.54141
463745.31 3809707.61 0.88845 463783.31
3809707.61 0.89311
463821.31 3809707.61 0.89707 463859.31
3809707.61 0.89658
463897.31 3809707.61 0.89162 463935.31
3809707.61 0.88627
463973.31 3809707.61 0.87261 464011.31
3809707.61 0.85284
464049.31 3809707.61 0.83329 464087.31
3809707.61 0.80777
464125.31 3809707.61 0.78033 464163.31
3809707.61 0.75226
464201.31 3809707.61 0.72190 464239.31
3809707.61 0.69301
464277.31 3809707.61 0.66446 464315.31
3809707.61 0.63896
464353.31 3809707.61 0.61282 464391.31
3809707.61 0.59004
464429.31 3809707.61 0.56701 464467.31
3809707.61 0.54643
464505.31 3809707.61 0.52690 463745.31
3809736.67 0.85084
463783.31 3809736.67 0.85152 463821.31

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463935.31	3809736.67	0.84298	463973.31	3809736.67	0.83476
464011.31	3809736.67	0.82079	464049.31	3809736.67	0.80058
464087.31	3809736.67	0.77938	464125.31	3809736.67	0.75409
464163.31	3809736.67	0.72813	464201.31	3809736.67	0.69843
464239.31	3809736.67	0.67168	464277.31	3809736.67	0.64444
464315.31	3809736.67	0.61871	464353.31	3809736.67	0.59476
464391.31	3809736.67	0.57260	464429.31	3809736.67	0.55066
464467.31	3809736.67	0.53140	464505.31	3809736.67	0.51318
463745.31	3809765.73	0.81655	463783.31	3809765.73	0.81578

463821.31 3809765.73 0.81384 463859.31
3809765.73 0.81292
463897.31 3809765.73 0.81169 463935.31
3809765.73 0.80308
463973.31 3809765.73 0.79271 464011.31
3809765.73 0.78721
464049.31 3809765.73 0.77234 464087.31
3809765.73 0.75170
464125.31 3809765.73 0.72975 464163.31
3809765.73 0.70521
464201.31 3809765.73 0.67706 464239.31
3809765.73 0.65166
464277.31 3809765.73 0.62575 464315.31
3809765.73 0.60042
464353.31 3809765.73 0.57814 464391.31
3809765.73 0.55566
464429.31 3809765.73 0.53586 464467.31
3809765.73 0.51773
464505.31 3809765.73 0.49879 463745.31
3809794.79 0.78473
463783.31 3809794.79 0.78129 463821.31
3809794.79 0.77890
463859.31 3809794.79 0.77566 463897.31
3809794.79 0.77355
463935.31 3809794.79 0.76548 463973.31
3809794.79 0.75566
464011.31 3809794.79 0.75003 464049.31
3809794.79 0.74427
464087.31 3809794.79 0.72588 464125.31
3809794.79 0.70443
464163.31 3809794.79 0.68129 464201.31
3809794.79 0.65661
464239.31 3809794.79 0.63123 464277.31
3809794.79 0.60681
464315.31 3809794.79 0.58344 464353.31
3809794.79 0.56075
464391.31 3809794.79 0.54035 464429.31
3809794.79 0.52195
464467.31 3809794.79 0.50316 464505.31
3809794.79 0.48576
463745.31 3809823.85 0.75501 463783.31
3809823.85 0.74949
463821.31 3809823.85 0.74361 463859.31
3809823.85 0.74091
463897.31 3809823.85 0.73715 463935.31
3809823.85 0.72964
463973.31 3809823.85 0.72156 464011.31
3809823.85 0.71443
464049.31 3809823.85 0.71027 464087.31
3809823.85 0.69943

3809852.91 0.65432
464163.31 3809852.91 0.63462 464201.31 3809852.91 0.61249
464239.31 3809852.91 0.59175 464277.31 3809852.91 0.57071
464315.31 3809852.91 0.54956 464353.31 3809852.91 0.52911
464391.31 3809852.91 0.51089 464429.31 3809852.91 0.49339
464467.31 3809852.91 0.47629 464505.31 3809852.91 0.46023
463745.31 3809881.97 0.70453 463783.31 3809881.97 0.69737
463821.31 3809881.97 0.68831 463859.31 3809881.97 0.68192
463897.31 3809881.97 0.67402 463935.31 3809881.97 0.66587
463973.31 3809881.97 0.66046 464011.31 3809881.97 0.65329
464049.31 3809881.97 0.64681 464087.31 3809881.97 0.63750
464125.31 3809881.97 0.62533 464163.31 3809881.97 0.60759
464201.31 3809881.97 0.58957 464239.31 3809881.97 0.57000
464277.31 3809881.97 0.55160 464315.31 3809881.97 0.53350
464353.31 3809881.97 0.51438 464391.31 3809881.97 0.49732
464429.31 3809881.97 0.48037 464467.31 3809881.97 0.46375
464505.31 3809881.97 0.44910 463745.31 3809911.03 0.68052
463783.31 3809911.03 0.67229 463821.31 3809911.03 0.66492
463859.31 3809911.03 0.65716 463897.31 3809911.03 0.64882
463935.31 3809911.03 0.63963 463973.31 3809911.03 0.63327
464011.31 3809911.03 0.62639 464049.31 3809911.03 0.62035
464087.31 3809911.03 0.61126 464125.31 3809911.03 0.59951
464163.31 3809911.03 0.58465 464201.31 3809911.03 0.56929
464239.31 3809911.03 0.55116 464277.31 3809911.03 0.53454
464315.31 3809911.03 0.51725 464353.31 3809911.03 0.50012
464391.31 3809911.03 0.48378 464429.31

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3809911.03        0.46758
         464467.31    3809911.03        0.45257                        464505.31
3809911.03        0.43754
         463745.31    3809940.09        0.65689                        463783.31
3809940.09        0.64860
         463821.31    3809940.09        0.64228                        463859.31
3809940.09        0.63413
         463897.31    3809940.09        0.62625                        463935.31
3809940.09        0.61738
         463973.31    3809940.09        0.60975                        464011.31
3809940.09        0.60078
         464049.31    3809940.09        0.59429                        464087.31
3809940.09        0.58567
         464125.31    3809940.09        0.57527                        464163.31
3809940.09        0.56399
         464201.31    3809940.09        0.55132                        464239.31
3809940.09        0.53527
         464277.31    3809940.09        0.51875                        464315.31
3809940.09        0.50271
         464353.31    3809940.09        0.48647                        464391.31
3809940.09        0.47082
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 123
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                  INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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        464429.31    3809940.09        0.45595                    464467.31
3809940.09        0.44100
        464505.31    3809940.09        0.42660                    463745.31
3809969.15        0.63920
        463783.31    3809969.15        0.62807                    463821.31
3809969.15        0.62049
        463859.31    3809969.15        0.61274                    463897.31
3809969.15        0.60491
        463935.31    3809969.15        0.59653                    463973.31
3809969.15        0.58887
        464011.31    3809969.15        0.57873                    464049.31
3809969.15        0.56977
        464087.31    3809969.15        0.56185                    464125.31
3809969.15        0.55358
        464163.31    3809969.15        0.54364                    464201.31
3809969.15        0.53317
        464239.31    3809969.15        0.52015                    464277.31
3809969.15        0.50423
        464315.31    3809969.15        0.48905                    464353.31
3809969.15        0.47451
        464391.31    3809969.15        0.45945                    464429.31
3809969.15        0.44457
        464467.31    3809969.15        0.42971                    464505.31
3809969.15        0.41671
        463745.31    3809998.21        0.62782                    463783.31
3809998.21        0.61229
        463821.31    3809998.21        0.60217                    463859.31
3809998.21        0.59353
        463897.31    3809998.21        0.58563                    463935.31
3809998.21        0.57677
        463973.31    3809998.21        0.56896                    464011.31
3809998.21        0.55959
        464049.31    3809998.21        0.55025                    464087.31
3809998.21        0.54173
        464125.31    3809998.21        0.53454                    464163.31
3809998.21        0.52554
        464201.31    3809998.21        0.51556                    464239.31
3809998.21        0.50396
        464277.31    3809998.21        0.49074                    464315.31
3809998.21        0.47595
        464353.31    3809998.21        0.46214                    464391.31
3809998.21        0.44768
        464429.31    3809998.21        0.43317                    464467.31
3809998.21        0.41976
        464505.31    3809998.21        0.40653                    463745.31
3810027.27        0.61736
        463783.31    3810027.27        0.59984                    463821.31
3810027.27        0.58705
        463859.31    3810027.27        0.57694                    463897.31
3810027.27        0.56863
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         463935.31    3810027.27        0.55869                      463973.31
3810027.27        0.55101
         464011.31    3810027.27        0.54201                      464049.31
3810027.27        0.53294
         464087.31    3810027.27        0.52338                      464125.31
3810027.27        0.51546
         464163.31    3810027.27        0.50819                      464201.31
3810027.27        0.49921
         464239.31    3810027.27        0.48774                      464277.31
3810027.27        0.47621
         464315.31    3810027.27        0.46345                      464353.31
3810027.27        0.44990
         464391.31    3810027.27        0.43602                      464429.31
3810027.27        0.42280
         464467.31    3810027.27        0.40964                      464505.31
3810027.27        0.39650
         463745.31    3810056.33        0.60814                      463783.31
3810056.33        0.58859
         463821.31    3810056.33        0.57287                      463859.31
3810056.33        0.56201
         463897.31    3810056.33        0.55250                      463935.31
3810056.33        0.54265
         463973.31    3810056.33        0.53456                      464011.31
3810056.33        0.52543
         464049.31    3810056.33        0.51577                      464087.31
3810056.33        0.50656
         464125.31    3810056.33        0.49757                      464163.31
3810056.33        0.49064
         464201.31    3810056.33        0.48246                      464239.31
3810056.33        0.47285
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                   PAGE 124
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE      ***
                                   INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464277.31	3810056.33	0.46152	464315.31	3810056.33	0.45022
464353.31	3810056.33	0.43872	464391.31	3810056.33	0.42596
464429.31	3810056.33	0.41280	464467.31	3810056.33	0.39944
464505.31	3810056.33	0.38714	463745.31	3810085.39	0.59921
463783.31	3810085.39	0.57811	463821.31	3810085.39	0.56057
463859.31	3810085.39	0.54803	463897.31	3810085.39	0.53772
463935.31	3810085.39	0.52810	463973.31	3810085.39	0.51930
464011.31	3810085.39	0.50949	464049.31	3810085.39	0.49889
464087.31	3810085.39	0.49028	464125.31	3810085.39	0.48157
464163.31	3810085.39	0.47383	464201.31	3810085.39	0.46592
464239.31	3810085.39	0.45758	464277.31	3810085.39	0.44764
464315.31	3810085.39	0.43711	464353.31	3810085.39	0.42622
464391.31	3810085.39	0.41474	464429.31	3810085.39	0.40206
464467.31	3810085.39	0.38952	464505.31	3810085.39	0.37735
463745.31	3810114.45	0.58739	463783.31	3810114.45	0.56981
463821.31	3810114.45	0.55040	463859.31	3810114.45	0.53758
463897.31	3810114.45	0.52513	463935.31	3810114.45	0.51471
463973.31	3810114.45	0.50475	464011.31	3810114.45	0.49486
464049.31	3810114.45	0.48406	464087.31	3810114.45	0.47504
464125.31	3810114.45	0.46579	464163.31	3810114.45	0.45740
464201.31	3810114.45	0.44955	464239.31		

3810114.45 0.44291
464277.31 3810114.45 0.43426 464315.31
3810114.45 0.42347
464353.31 3810114.45 0.41239 464391.31
3810114.45 0.40109
464429.31 3810114.45 0.39047 464467.31
3810114.45 0.37840
464505.31 3810114.45 0.36785 463745.31
3810143.51 0.57243
463783.31 3810143.51 0.55844 463821.31
3810143.51 0.54368
463859.31 3810143.51 0.52914 463897.31
3810143.51 0.51315
463935.31 3810143.51 0.50107 463973.31
3810143.51 0.48982
464011.31 3810143.51 0.48108 464049.31
3810143.51 0.47037
464087.31 3810143.51 0.46008 464125.31
3810143.51 0.45107
464163.31 3810143.51 0.44282 464201.31
3810143.51 0.43481
464239.31 3810143.51 0.42758 464277.31
3810143.51 0.42099
464315.31 3810143.51 0.41089 464353.31
3810143.51 0.39913
464391.31 3810143.51 0.38897 464429.31
3810143.51 0.37855
464467.31 3810143.51 0.36866 464505.31
3810143.51 0.35882
464383.78 3807479.29 0.26329 464355.03
3807405.24 0.24260
464402.07 3807352.10 0.21578 464367.23
3807296.35 0.20364
464358.52 3807237.99 0.18286 464385.52
3807161.33 0.16517
463132.27 3810926.37 0.30697 463237.82
3811199.31 0.25277
464944.35 3809244.89 0.54089 465700.32
3809255.46 0.28207

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937

```
, L0005938    , L0005939    , L0005940    ,
                L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465716.18    3808536.49        0.27986                       465544.37
3808533.85        0.33360
         465420.13    3808486.27        0.37247                       465348.77
3808491.56        0.40461
         465317.05    3808443.98        0.40811                       465327.62
3808406.97        0.39296
         465108.23    3808369.97        0.50807                       464999.86
3808301.24        0.54710
         464722.31    3807973.48        0.56241                       464717.03
3807836.03        0.48800
         464344.33    3807936.47        0.61351                       464349.61
3807780.52        0.74856
         464386.62    3807785.81        0.71622                       464521.43
3807859.82        0.65044
         464537.28    3807719.72        0.34091                       464426.27
3807613.99        0.31587
         464368.43    3807532.62        0.29959                       464324.60
3807121.91        0.16014
         464123.31    3807123.54        0.19556                       463930.13
3806909.26        0.14327
         463831.11    3806906.01        0.14469                       463821.36
3806720.95        0.10731
         463727.21    3806727.44        0.10676                       463598.97
3806334.59        0.06691
         463001.06    3806361.54        0.03507

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
462160.55	3809377.75	0.04788	462051.48	3809270.62	0.04092
462014.47	3809029.10	0.03151	462010.58	3808855.75	0.03058
461936.56	3808886.92	0.02790	461936.56	3808997.94	0.02834
461909.30	3808768.10	0.02741	461835.28	3808894.71	0.02505
461845.02	3808995.99	0.02602	461833.33	3809114.80	0.02883
461843.07	3809210.24	0.03192	461809.96	3809297.89	0.03337
461856.71	3809385.54	0.03521	461841.13	3809482.92	0.03333
462004.74	3809379.69	0.04071	461763.22	3808793.43	0.02302
461753.48	3808699.93	0.02407	461835.28	3808686.30	0.02553
461823.60	3808579.17	0.02456	461761.27	3808585.02	0.02331
462301.19	3807807.15	0.02537	462304.78	3807868.16	0.02633
462216.84	3807882.52	0.02519	462116.34	3807886.11	0.02392
462114.55	3807789.20	0.02223	462012.25	3807887.90	0.02268
462008.66	3807975.84	0.02420	461917.14		

3807972.25 0.02279
461922.52 3808187.60 0.02523 461908.17
3808288.10 0.02532
461848.94 3808377.83 0.02456 461831.00
3808494.48 0.02460
462421.43 3808393.98 0.04314 462459.11
3808501.66 0.04656
462437.58 3808580.62 0.04660 462654.73
3809189.00 0.08344
462559.49 3809194.32 0.07125 465763.86
3807935.19 0.06902
465819.84 3807935.19 0.06856 465875.82
3807935.19 0.06977
465931.80 3807935.19 0.07003 465987.78
3807935.19 0.07078
466043.76 3807935.19 0.07099 466099.74
3807935.19 0.07185
466155.72 3807935.19 0.07205 466211.70
3807935.19 0.07346
466267.68 3807935.19 0.07374 466323.66
3807935.19 0.07564
466379.64 3807935.19 0.07708 466435.62
3807935.19 0.07870
466491.60 3807935.19 0.07977 466547.58
3807935.19 0.08116
466603.56 3807935.19 0.08212 466659.54
3807935.19 0.08125
466715.52 3807935.19 0.08164 466771.50
3807935.19 0.08216
466827.48 3807935.19 0.08109 466883.46
3807935.19 0.07903
465763.86 3808001.41 0.07452 465819.84
3808001.41 0.07481
465875.82 3808001.41 0.07516 465931.80
3808001.41 0.07590
465987.78 3808001.41 0.07524 466043.76
3808001.41 0.07706
466099.74 3808001.41 0.07541 466155.72
3808001.41 0.07674
466211.70 3808001.41 0.07657 466267.68
3808001.41 0.07674
466323.66 3808001.41 0.07863 466379.64
3808001.41 0.08059
466435.62 3808001.41 0.08185 466491.60
3808001.41 0.08362
466547.58 3808001.41 0.08355 466603.56
3808001.41 0.08423
466659.54 3808001.41 0.08409 466715.52
3808001.41 0.08608
466771.50 3808001.41 0.08466 466827.48

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                               INCLUDING SOURCE(S):   L0006493   , L0006494
, L0006495   , L0006496   , L0006497   ,
                  L0006498   , L0006499   , L0006500   , L0006501   , L0006502
, L0006503   , L0006504   , L0006505   ,
                  L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                  L0006514   , L0006515   , L0006516   , L0006517   , L0006518
, L0006519   , L0006520   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465819.84   3808067.63   0.08140   465875.82
3808067.63   0.08115
         465931.80   3808067.63   0.08101   465987.78
3808067.63   0.08142
         466043.76   3808067.63   0.08102   466099.74
3808067.63   0.08230
         466155.72   3808067.63   0.08196   466211.70
3808067.63   0.08298
         466267.68   3808067.63   0.08332   466323.66
3808067.63   0.08530
         466379.64   3808067.63   0.08655   466435.62
3808067.63   0.08649
         466491.60   3808067.63   0.08778   466547.58
3808067.63   0.08876
         466603.56   3808067.63   0.08862   466659.54
3808067.63   0.08814
         466715.52   3808067.63   0.08839   466771.50
3808067.63   0.08676

466827.48 3808067.63 0.08486 466883.46 3808067.63 0.08255
465763.86 3808133.85 0.08782 465819.84 3808133.85 0.08780
465875.82 3808133.85 0.08737 465931.80 3808133.85 0.08771
465987.78 3808133.85 0.08570 466043.76 3808133.85 0.08701
466099.74 3808133.85 0.08674 466155.72 3808133.85 0.08814
466211.70 3808133.85 0.08895 466267.68 3808133.85 0.08941
466323.66 3808133.85 0.09128 466379.64 3808133.85 0.09191
466435.62 3808133.85 0.09162 466491.60 3808133.85 0.09087
466547.58 3808133.85 0.09169 466603.56 3808133.85 0.09167
466659.54 3808133.85 0.09205 466715.52 3808133.85 0.09113
466771.50 3808133.85 0.08924 466827.48 3808133.85 0.08677
466883.46 3808133.85 0.08437 465763.86 3808200.07 0.09530
465819.84 3808200.07 0.09500 465875.82 3808200.07 0.09467
465931.80 3808200.07 0.09229 465987.78 3808200.07 0.09343
466043.76 3808200.07 0.09328 466099.74 3808200.07 0.09419
466155.72 3808200.07 0.09600 466211.70 3808200.07 0.09798
466267.68 3808200.07 0.09712 466323.66 3808200.07 0.09693
466379.64 3808200.07 0.09664 466435.62 3808200.07 0.09583
466491.60 3808200.07 0.09645 466547.58 3808200.07 0.09642
466603.56 3808200.07 0.09692 466659.54 3808200.07 0.09560
466715.52 3808200.07 0.09365 466771.50 3808200.07 0.09133
466827.48 3808200.07 0.08870 466883.46 3808200.07 0.08618
465763.86 3808266.29 0.10579 465819.84 3808266.29 0.10211
465875.82 3808266.29 0.10018 465931.80 3808266.29 0.10113
465987.78 3808266.29 0.10061 466043.76 3808266.29 0.10147

```
         466099.74    3808266.29        0.10290                      466155.72
3808266.29        0.10465
         466211.70    3808266.29        0.10376                      466267.68
3808266.29        0.10370
         466323.66    3808266.29        0.10318                      466379.64
3808266.29        0.10119
         466435.62    3808266.29        0.09995                      466491.60
3808266.29        0.10169
         466547.58    3808266.29        0.10228                      466603.56
3808266.29        0.10102
         466659.54    3808266.29        0.09863                      466715.52
3808266.29        0.09628
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 128
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                              INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                 L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                 L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                 L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         466771.50    3808266.29        0.09343                      466827.48
3808266.29        0.09067
         466883.46    3808266.29        0.08802                      465763.86
3808332.51        0.11441
         465819.84    3808332.51        0.10913                      465875.82
3808332.51        0.10985
         465931.80    3808332.51        0.10930                      465987.78
3808332.51        0.10964
         466043.76    3808332.51        0.11091                      466099.74
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3808332.51 0.11266
466155.72 3808332.51 0.11083 466211.70
3808332.51 0.11140
466267.68 3808332.51 0.11080 466323.66
3808332.51 0.10766
466379.64 3808332.51 0.10644 466435.62
3808332.51 0.10665
466491.60 3808332.51 0.10678 466547.58
3808332.51 0.10686
466603.56 3808332.51 0.10397 466659.54
3808332.51 0.10142
466715.52 3808332.51 0.09860 466771.50
3808332.51 0.09555
466827.48 3808332.51 0.09266 466883.46
3808332.51 0.08989
465763.86 3808398.73 0.12564 465819.84
3808398.73 0.12075
465875.82 3808398.73 0.11925 465931.80
3808398.73 0.11888
465987.78 3808398.73 0.12019 466043.76
3808398.73 0.12135
466099.74 3808398.73 0.12135 466155.72
3808398.73 0.12064
466211.70 3808398.73 0.11907 466267.68
3808398.73 0.11496
466323.66 3808398.73 0.11568 466379.64
3808398.73 0.11487
466435.62 3808398.73 0.11266 466491.60
3808398.73 0.11271
466547.58 3808398.73 0.11042 466603.56
3808398.73 0.10766
466659.54 3808398.73 0.10422 466715.52
3808398.73 0.10092
466771.50 3808398.73 0.09776 466827.48
3808398.73 0.09472
466883.46 3808398.73 0.09181 465763.86
3808464.95 0.13735
465819.84 3808464.95 0.13300 465875.82
3808464.95 0.13441
465931.80 3808464.95 0.13373 465987.78
3808464.95 0.13182
466043.76 3808464.95 0.13072 466099.74
3808464.95 0.12966
466155.72 3808464.95 0.12773 466211.70
3808464.95 0.12820
466267.68 3808464.95 0.12413 466323.66
3808464.95 0.12348
466379.64 3808464.95 0.12069 466435.62
3808464.95 0.12037
466491.60 3808464.95 0.11708 466547.58

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3808464.95        0.11421
         466603.56    3808464.95        0.11041                        466659.54
3808464.95        0.10678
         466715.52    3808464.95        0.10331                        466771.50
3808464.95        0.10000
         466827.48    3808464.95        0.09682                        466883.46
3808464.95        0.09379
         465763.86    3808531.17        0.14625                        465819.84
3808531.17        0.14694
         465875.82    3808531.17        0.14809                        465931.80
3808531.17        0.14870
         465987.78    3808531.17        0.14347                        466043.76
3808531.17        0.14107
         466099.74    3808531.17        0.13756                        466155.72
3808531.17        0.13781
         466211.70    3808531.17        0.13628                        466267.68
3808531.17        0.13305
         466323.66    3808531.17        0.13127                        466379.64
3808531.17        0.12848
         466435.62    3808531.17        0.12498                        466491.60
3808531.17        0.12146
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 129
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                  INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                  L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                  L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                  L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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         466547.58    3808531.17        0.11725                    466603.56
3808531.17        0.11324
         466659.54    3808531.17        0.10942                    466715.52
3808531.17        0.10578
         466771.50    3808531.17        0.10229                    466827.48
3808531.17        0.09899
         466883.46    3808531.17        0.09582                    465763.86
3808597.39        0.16188
         465819.84    3808597.39        0.15673                    465875.82
3808597.39        0.15677
         465931.80    3808597.39        0.15986                    465987.78
3808597.39        0.15493
         466043.76    3808597.39        0.14924                    466099.74
3808597.39        0.14912
         466155.72    3808597.39        0.14666                    466211.70
3808597.39        0.14337
         466267.68    3808597.39        0.14286                    466323.66
3808597.39        0.13801
         466379.64    3808597.39        0.13367                    466435.62
3808597.39        0.12953
         466491.60    3808597.39        0.12488                    466547.58
3808597.39        0.12045
         466603.56    3808597.39        0.11622                    466659.54
3808597.39        0.11219
         466715.52    3808597.39        0.10836                    466771.50
3808597.39        0.10472
         466827.48    3808597.39        0.10126                    466883.46
3808597.39        0.09800
         465763.86    3808663.61        0.17979                    465819.84
3808663.61        0.17134
         465875.82    3808663.61        0.17031                    465931.80
3808663.61        0.16694
         465987.78    3808663.61        0.16273                    466043.76
3808663.61        0.16187
         466099.74    3808663.61        0.15847                    466155.72
3808663.61        0.15526
         466211.70    3808663.61        0.15419                    466267.68
3808663.61        0.14919
         466323.66    3808663.61        0.14369                    466379.64
3808663.61        0.13855
         466435.62    3808663.61        0.13340                    466491.60
3808663.61        0.12845
         466547.58    3808663.61        0.12374                    466603.56
3808663.61        0.11928
         466659.54    3808663.61        0.11504                    466715.52
3808663.61        0.11104
         466771.50    3808663.61        0.10724                    466827.48
3808663.61        0.10370
         466883.46    3808663.61        0.10027                    465763.86
3808729.83        0.19301
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         465819.84    3808729.83        0.17861                       465875.82
3808729.83        0.17744
         465931.80    3808729.83        0.17543                       465987.78
3808729.83        0.17497
         466043.76    3808729.83        0.17208                       466099.74
3808729.83        0.17098
         466155.72    3808729.83        0.16679                       466211.70
3808729.83        0.16113
         466267.68    3808729.83        0.15491                       466323.66
3808729.83        0.14876
         466379.64    3808729.83        0.14291                       466435.62
3808729.83        0.13737
         466491.60    3808729.83        0.13219                       466547.58
3808729.83        0.12722
         466603.56    3808729.83        0.12253                       466659.54
3808729.83        0.11821
         466715.52    3808729.83        0.11401                       466771.50
3808729.83        0.11004
         466827.48    3808729.83        0.10633                       466883.46
3808729.83        0.10277
         465763.86    3808796.05        0.21006                       465819.84
3808796.05        0.19244
         465875.82    3808796.05        0.19140                       465931.80
3808796.05        0.18619
         465987.78    3808796.05        0.18450                       466043.76
3808796.05        0.18192
         466099.74    3808796.05        0.17979                       466155.72
3808796.05        0.17406
         466211.70    3808796.05        0.16744                       466267.68
3808796.05        0.16036
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                   PAGE 130
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                   INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                  L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                  L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                  L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
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***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466323.66	3808796.05	0.15374	466379.64	3808796.05	0.14752
466435.62	3808796.05	0.14172	466491.60	3808796.05	0.13617
466547.58	3808796.05	0.13096	466603.56	3808796.05	0.12612
466659.54	3808796.05	0.12148	466715.52	3808796.05	0.11714
466771.50	3808796.05	0.11302	466827.48	3808796.05	0.10910
466883.46	3808796.05	0.10548	465763.86	3808862.27	0.23678
465819.84	3808862.27	0.22230	465875.82	3808862.27	0.21054
465931.80	3808862.27	0.20326	465987.78	3808862.27	0.19994
466043.76	3808862.27	0.19699	466099.74	3808862.27	0.18932
466155.72	3808862.27	0.18174	466211.70	3808862.27	0.17366
466267.68	3808862.27	0.16617	466323.66	3808862.27	0.15910
466379.64	3808862.27	0.15251	466435.62	3808862.27	0.14631
466491.60	3808862.27	0.14050	466547.58	3808862.27	0.13506
466603.56	3808862.27	0.12989	466659.54	3808862.27	0.12512
466715.52	3808862.27	0.12054	466771.50	3808862.27	0.11625
466827.48	3808862.27	0.11223	466883.46	3808862.27	0.10843
465763.86	3808928.49	0.27097	465819.84	3808928.49	0.25589
465875.82	3808928.49	0.24100	465931.80	3808928.49	0.22785
465987.78	3808928.49	0.21699	466043.76	3808928.49	0.20653
466099.74	3808928.49	0.19845	466155.72	3808928.49	0.18915
466211.70	3808928.49	0.18050	466267.68		

3808928.49   0.17243
         466323.66   3808928.49   0.16487   466379.64
3808928.49   0.15781
         466435.62   3808928.49   0.15131   466491.60
3808928.49   0.14521
         466547.58   3808928.49   0.13945   466603.56
3808928.49   0.13416
         466659.54   3808928.49   0.12907   466715.52
3808928.49   0.12434
         466771.50   3808928.49   0.11983   466827.48
3808928.49   0.11567
         466883.46   3808928.49   0.11167   465763.86
3808994.71   0.28738
         465819.84   3808994.71   0.27072   465875.82
3808994.71   0.25575
         465931.80   3808994.71   0.24219   465987.78
3808994.71   0.22854
         466043.76   3808994.71   0.21761   466099.74
3808994.71   0.20727
         466155.72   3808994.71   0.19719   466211.70
3808994.71   0.18792
         466267.68   3808994.71   0.17929   466323.66
3808994.71   0.17126
         466379.64   3808994.71   0.16378   466435.62
3808994.71   0.15681
         466491.60   3808994.71   0.15040   466547.58
3808994.71   0.14446
         466603.56   3808994.71   0.13880   466659.54
3808994.71   0.13344
         466715.52   3808994.71   0.12861   466771.50
3808994.71   0.12387
         466827.48   3808994.71   0.11941   466883.46
3808994.71   0.11532
         465763.86   3809060.93   0.30416   465819.84
3809060.93   0.28637
         465875.82   3809060.93   0.26987   465931.80
3809060.93   0.25489
         465987.78   3809060.93   0.24120   466043.76
3809060.93   0.22865

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                              INCLUDING SOURCE(S):   L0006493   , L0006494

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, L0006495    , L0006496    , L0006497    ,
                L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         466099.74    3809060.93        0.21684                       466155.72
3809060.93        0.20607
         466211.70    3809060.93        0.19605                       466267.68
3809060.93        0.18683
         466323.66    3809060.93        0.17827                       466379.64
3809060.93        0.17032
         466435.62    3809060.93        0.16307                       466491.60
3809060.93        0.15629
         466547.58    3809060.93        0.14985                       466603.56
3809060.93        0.14391
         466659.54    3809060.93        0.13846                       466715.52
3809060.93        0.13317
         466771.50    3809060.93        0.12821                       466827.48
3809060.93        0.12361
         466883.46    3809060.93        0.11930                       465763.86
3809127.15        0.32213
         465819.84    3809127.15        0.30312                       465875.82
3809127.15        0.28547
         465931.80    3809127.15        0.26939                       465987.78
3809127.15        0.25430
         466043.76    3809127.15        0.24022                       466099.74
3809127.15        0.22725
         466155.72    3809127.15        0.21551                       466211.70
3809127.15        0.20519
         466267.68    3809127.15        0.19544                       466323.66
3809127.15        0.18634
         466379.64    3809127.15        0.17781                       466435.62
3809127.15        0.16998
         466491.60    3809127.15        0.16272                       466547.58
3809127.15        0.15597
         466603.56    3809127.15        0.14972                       466659.54
3809127.15        0.14376
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         466715.52    3809127.15        0.13825                    466771.50
3809127.15        0.13306
         466827.48    3809127.15        0.12815                    466883.46
3809127.15        0.12363
         465763.86    3809193.37        0.34449                    465819.84
3809193.37        0.32213
         465875.82    3809193.37        0.30302                    465931.80
3809193.37        0.28573
         465987.78    3809193.37        0.26883                    466043.76
3809193.37        0.25267
         466099.74    3809193.37        0.23903                    466155.72
3809193.37        0.22635
         466211.70    3809193.37        0.21510                    466267.68
3809193.37        0.20475
         466323.66    3809193.37        0.19509                    466379.64
3809193.37        0.18612
         466435.62    3809193.37        0.17768                    466491.60
3809193.37        0.16991
         466547.58    3809193.37        0.16270                    466603.56
3809193.37        0.15606
         466659.54    3809193.37        0.14972                    466715.52
3809193.37        0.14390
         466771.50    3809193.37        0.13834                    466827.48
3809193.37        0.13320
         466883.46    3809193.37        0.12833                    465763.86
3809259.59        0.37131
         465819.84    3809259.59        0.34644                    465875.82
3809259.59        0.32426
         465931.80    3809259.59        0.30386                    465987.78
3809259.59        0.28499
         466043.76    3809259.59        0.26772                    466099.74
3809259.59        0.25218
         466155.72    3809259.59        0.23881                    466211.70
3809259.59        0.22659
         466267.68    3809259.59        0.21537                    466323.66
3809259.59        0.20470
         466379.64    3809259.59        0.19501                    466435.62
3809259.59        0.18609
         466491.60    3809259.59        0.17769                    466547.58
3809259.59        0.17008
         466603.56    3809259.59        0.16285                    466659.54
3809259.59        0.15612
         466715.52    3809259.59        0.14999                    466771.50
3809259.59        0.14405
         466827.48    3809259.59        0.13857                    466883.46
3809259.59        0.13339
         464503.41    3807141.91        0.04988                    464523.41
3807141.91        0.05035
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                             INCLUDING SOURCE(S):   L0006493   , L0006494
, L0006495   , L0006496   , L0006497   ,
                L0006498   , L0006499   , L0006500   , L0006501   , L0006502
, L0006503   , L0006504   , L0006505   ,
                L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                L0006514   , L0006515   , L0006516   , L0006517   , L0006518
, L0006519   , L0006520   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3807161.91 0.05099
464583.41 3807161.91 0.05140 464603.41
3807161.91 0.05175
464623.41 3807161.91 0.05198 464643.41
3807161.91 0.05187
464663.41 3807161.91 0.05201 464683.41
3807161.91 0.05219
464703.41 3807161.91 0.05202 464723.41
3807161.91 0.05178
464743.41 3807161.91 0.05158 464763.41
3807161.91 0.05177
464783.41 3807161.91 0.05161 464803.41
3807161.91 0.05131
464823.41 3807161.91 0.05106 464843.41
3807161.91 0.05074
464863.41 3807161.91 0.05048 464883.41
3807161.91 0.05060
464903.41 3807161.91 0.05044 464923.41
3807161.91 0.05021
464503.41 3807181.91 0.05133 464523.41
3807181.91 0.05154
464543.41 3807181.91 0.05173 464563.41
3807181.91 0.05191
464583.41 3807181.91 0.05204 464603.41
3807181.91 0.05234
464623.41 3807181.91 0.05262 464643.41
3807181.91 0.05243
464663.41 3807181.91 0.05259 464683.41
3807181.91 0.05281
464703.41 3807181.91 0.05256 464723.41
3807181.91 0.05249
464743.41 3807181.91 0.05249 464763.41
3807181.91 0.05245
464783.41 3807181.91 0.05222 464803.41
3807181.91 0.05194
464823.41 3807181.91 0.05190 464843.41
3807181.91 0.05165
464863.41 3807181.91 0.05133 464883.41
3807181.91 0.05123
464903.41 3807181.91 0.05114 464923.41
3807181.91 0.05104
464503.41 3807201.91 0.05223 464523.41
3807201.91 0.05218
464543.41 3807201.91 0.05246 464563.41
3807201.91 0.05282
464583.41 3807201.91 0.05280 464603.41
3807201.91 0.05298
464623.41 3807201.91 0.05319 464643.41
3807201.91 0.05310
464663.41 3807201.91 0.05322 464683.41

3807201.91 0.05336
 464703.41 3807201.91 0.05321 464723.41
3807201.91 0.05328
 464743.41 3807201.91 0.05336 464763.41
3807201.91 0.05304
 464783.41 3807201.91 0.05280 464803.41
3807201.91 0.05263

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

 *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
 INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
  L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
  L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
  L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

 ** CONC OF PM_10 IN MICROGRAMS/M**3
  **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464823.41	3807201.91	0.05273	464843.41	3807201.91	0.05260
464863.41	3807201.91	0.05233	464883.41	3807201.91	0.05195
464903.41	3807201.91	0.05187	464923.41	3807201.91	0.05187
464503.41	3807221.91	0.05280	464523.41	3807221.91	0.05274
464543.41	3807221.91	0.05303	464563.41	3807221.91	0.05346
464583.41	3807221.91	0.05381	464603.41	3807221.91	0.05386
464623.41	3807221.91	0.05381	464643.41	3807221.91	0.05410

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         464663.41    3807221.91        0.05408                    464683.41
3807221.91        0.05397
         464703.41    3807221.91        0.05420                    464723.41
3807221.91        0.05413
         464743.41    3807221.91        0.05388                    464763.41
3807221.91        0.05356
         464783.41    3807221.91        0.05356                    464803.41
3807221.91        0.05364
         464823.41    3807221.91        0.05336                    464843.41
3807221.91        0.05335
         464863.41    3807221.91        0.05338                    464883.41
3807221.91        0.05299
         464903.41    3807221.91        0.05266                    464923.41
3807221.91        0.05240
         464503.41    3807241.91        0.05343                    464523.41
3807241.91        0.05366
         464543.41    3807241.91        0.05384                    464563.41
3807241.91        0.05404
         464583.41    3807241.91        0.05447                    464603.41
3807241.91        0.05449
         464623.41    3807241.91        0.05438                    464643.41
3807241.91        0.05475
         464663.41    3807241.91        0.05491                    464683.41
3807241.91        0.05494
         464703.41    3807241.91        0.05494                    464723.41
3807241.91        0.05473
         464743.41    3807241.91        0.05446                    464763.41
3807241.91        0.05444
         464783.41    3807241.91        0.05439                    464803.41
3807241.91        0.05431
         464823.41    3807241.91        0.05425                    464843.41
3807241.91        0.05416
         464863.41    3807241.91        0.05400                    464883.41
3807241.91        0.05360
         464903.41    3807241.91        0.05340                    464923.41
3807241.91        0.05329
         464503.41    3807261.91        0.05406                    464523.41
3807261.91        0.05456
         464543.41    3807261.91        0.05465                    464563.41
3807261.91        0.05462
         464583.41    3807261.91        0.05505                    464603.41
3807261.91        0.05514
         464623.41    3807261.91        0.05511                    464643.41
3807261.91        0.05535
         464663.41    3807261.91        0.05566                    464683.41
3807261.91        0.05589
         464703.41    3807261.91        0.05559                    464723.41
3807261.91        0.05536
         464743.41    3807261.91        0.05521                    464763.41
3807261.91        0.05534
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         464783.41    3807261.91        0.05523                       464803.41
3807261.91        0.05504
         464823.41    3807261.91        0.05514                       464843.41
3807261.91        0.05499
         464863.41    3807261.91        0.05468                       464883.41
3807261.91        0.05427
         464903.41    3807261.91        0.05426                       464923.41
3807261.91        0.05432
         464503.41    3807281.91        0.05465                       464523.41
3807281.91        0.05516
         464543.41    3807281.91        0.05524                       464563.41
3807281.91        0.05521
         464583.41    3807281.91        0.05564                       464603.41
3807281.91        0.05599
         464623.41    3807281.91        0.05622                       464643.41
3807281.91        0.05606
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                   PAGE 134
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                   INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                  L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                  L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                  L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         464663.41    3807281.91        0.05624                       464683.41
3807281.91        0.05646
         464703.41    3807281.91        0.05615                       464723.41
3807281.91        0.05619
         464743.41    3807281.91        0.05630                       464763.41
```

3807281.91 0.05603
464783.41 3807281.91 0.05604 464803.41
3807281.91 0.05611
464823.41 3807281.91 0.05580 464843.41
3807281.91 0.05578
464863.41 3807281.91 0.05580 464883.41
3807281.91 0.05538
464903.41 3807281.91 0.05536 464923.41
3807281.91 0.05542
464503.41 3807301.91 0.05567 464523.41
3807301.91 0.05587
464543.41 3807301.91 0.05606 464563.41
3807301.91 0.05622
464583.41 3807301.91 0.05634 464603.41
3807301.91 0.05664
464623.41 3807301.91 0.05692 464643.41
3807301.91 0.05667
464663.41 3807301.91 0.05682 464683.41
3807301.91 0.05704
464703.41 3807301.91 0.05672 464723.41
3807301.91 0.05681
464743.41 3807301.91 0.05703 464763.41
3807301.91 0.05699
464783.41 3807301.91 0.05692 464803.41
3807301.91 0.05677
464823.41 3807301.91 0.05636 464843.41
3807301.91 0.05637
464863.41 3807301.91 0.05652 464883.41
3807301.91 0.05641
464903.41 3807301.91 0.05627 464923.41
3807301.91 0.05606
464503.41 3807321.91 0.05666 464523.41
3807321.91 0.05657
464543.41 3807321.91 0.05686 464563.41
3807321.91 0.05722
464583.41 3807321.91 0.05704 464603.41
3807321.91 0.05725
464623.41 3807321.91 0.05753 464643.41
3807321.91 0.05727
464663.41 3807321.91 0.05741 464683.41
3807321.91 0.05764
464703.41 3807321.91 0.05744 464723.41
3807321.91 0.05748
464743.41 3807321.91 0.05765 464763.41
3807321.91 0.05791
464783.41 3807321.91 0.05773 464803.41
3807321.91 0.05734
464823.41 3807321.91 0.05705 464843.41
3807321.91 0.05710
464863.41 3807321.91 0.05727 464883.41

3807321.91   0.05733
         464903.41   3807321.91   0.05704   464923.41
3807321.91   0.05659
         464503.41   3807341.91   0.05728   464523.41
3807341.91   0.05719
         464543.41   3807341.91   0.05748   464563.41
3807341.91   0.05784
         464583.41   3807341.91   0.05765   464603.41
3807341.91   0.05786
         464623.41   3807341.91   0.05813   464643.41
3807341.91   0.05786
         464663.41   3807341.91   0.05800   464683.41
3807341.91   0.05831
         464703.41   3807341.91   0.05854   464723.41
3807341.91   0.05843
         464743.41   3807341.91   0.05823   464763.41
3807341.91   0.05849
         464783.41   3807341.91   0.05830   464803.41
3807341.91   0.05798
         464823.41   3807341.91   0.05812   464843.41
3807341.91   0.05829
         464863.41   3807341.91   0.05839   464883.41
3807341.91   0.05802
         464903.41   3807341.91   0.05757   464923.41
3807341.91   0.05719

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                 INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                  L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                  L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                  L0006514   , L0006515   , L0006516   , L0006517   , L0006518 , L0006519   , L0006520   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464503.41	3807361.91	0.05798	464523.41	3807361.91	0.05820
464543.41	3807361.91	0.05838	464563.41	3807361.91	0.05846
464583.41	3807361.91	0.05827	464603.41	3807361.91	0.05847
464623.41	3807361.91	0.05881	464643.41	3807361.91	0.05887
464663.41	3807361.91	0.05889	464683.41	3807361.91	0.05893
464703.41	3807361.91	0.05924	464723.41	3807361.91	0.05933
464743.41	3807361.91	0.05928	464763.41	3807361.91	0.05920
464783.41	3807361.91	0.05912	464803.41	3807361.91	0.05909
464823.41	3807361.91	0.05931	464843.41	3807361.91	0.05928
464863.41	3807361.91	0.05907	464883.41	3807361.91	0.05860
464903.41	3807361.91	0.05835	464923.41	3807361.91	0.05820
464503.41	3807381.91	0.05884	464523.41	3807381.91	0.05924
464543.41	3807381.91	0.05927	464563.41	3807381.91	0.05912
464583.41	3807381.91	0.05904	464603.41	3807381.91	0.05920
464623.41	3807381.91	0.05948	464643.41	3807381.91	0.05986
464663.41	3807381.91	0.05985	464683.41	3807381.91	0.05972
464703.41	3807381.91	0.05989	464723.41	3807381.91	0.06015
464743.41	3807381.91	0.06033	464763.41	3807381.91	0.06005
464783.41	3807381.91	0.06003	464803.41	3807381.91	0.06015
464823.41	3807381.91	0.06037	464843.41	3807381.91	0.06012
464863.41	3807381.91	0.05967	464883.41	3807381.91	0.05931
464903.41	3807381.91	0.05923	464923.41	3807381.91	0.05918
464503.41	3807401.91	0.06006	464523.41	3807401.91	0.06004

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         464543.41    3807401.91        0.05992                        464563.41
3807401.91        0.05984
         464583.41    3807401.91        0.06020                        464603.41
3807401.91        0.06021
         464623.41    3807401.91        0.06011                        464643.41
3807401.91        0.06049
         464663.41    3807401.91        0.06079                        464683.41
3807401.91        0.06094
         464703.41    3807401.91        0.06066                        464723.41
3807401.91        0.06077
         464743.41    3807401.91        0.06103                        464763.41
3807401.91        0.06120
         464783.41    3807401.91        0.06102                        464803.41
3807401.91        0.06075
         464823.41    3807401.91        0.06097                        464843.41
3807401.91        0.06071
         464863.41    3807401.91        0.06033                        464883.41
3807401.91        0.06042
         464903.41    3807401.91        0.06017                        464923.41
3807401.91        0.05983
         464503.41    3807421.91        0.06086                        464523.41
3807421.91        0.06073
         464543.41    3807421.91        0.06082                        464563.41
3807421.91        0.06097
         464583.41    3807421.91        0.06108                        464603.41
3807421.91        0.06117
         464623.41    3807421.91        0.06124                        464643.41
3807421.91        0.06126
         464663.41    3807421.91        0.06149                        464683.41
3807421.91        0.06177
         464703.41    3807421.91        0.06175                        464723.41
3807421.91        0.06170
         464743.41    3807421.91        0.06167                        464763.41
3807421.91        0.06193
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 136
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                   INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                  L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                  L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
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L0006514 , L0006515 , L0006516 , L0006517 , L0006518
, L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464783.41	3807421.91	0.06196	464803.41	3807421.91	0.06185
464823.41	3807421.91	0.06170	464843.41	3807421.91	0.06157
464863.41	3807421.91	0.06142	464883.41	3807421.91	0.06124
464903.41	3807421.91	0.06107	464923.41	3807421.91	0.06090
464503.41	3807441.91	0.06156	464523.41	3807441.91	0.06156
464543.41	3807441.91	0.06182	464563.41	3807441.91	0.06209
464583.41	3807441.91	0.06200	464603.41	3807441.91	0.06216
464623.41	3807441.91	0.06236	464643.41	3807441.91	0.06217
464663.41	3807441.91	0.06226	464683.41	3807441.91	0.06247
464703.41	3807441.91	0.06280	464723.41	3807441.91	0.06271
464743.41	3807441.91	0.06249	464763.41	3807441.91	0.06261
464783.41	3807441.91	0.06282	464803.41	3807441.91	0.06293
464823.41	3807441.91	0.06243	464843.41	3807441.91	0.06240
464863.41	3807441.91	0.06247	464883.41	3807441.91	0.06195
464903.41	3807441.91	0.06189	464923.41	3807441.91	0.06193
464503.41	3807461.91	0.06233	464523.41	3807461.91	0.06280
464543.41	3807461.91	0.06289	464563.41	3807461.91	0.06286
464583.41	3807461.91	0.06324	464603.41	3807461.91	0.06323
464623.41	3807461.91	0.06311	464643.41		

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3807461.91        0.06341
         464663.41    3807461.91        0.06332                        464683.41
3807461.91        0.06314
         464703.41    3807461.91        0.06346                        464723.41
3807461.91        0.06370
         464743.41    3807461.91        0.06379                        464763.41
3807461.91        0.06342
         464783.41    3807461.91        0.06346                        464803.41
3807461.91        0.06357
         464823.41    3807461.91        0.06306                        464843.41
3807461.91        0.06303
         464863.41    3807461.91        0.06310                        464883.41
3807461.91        0.06256
         464903.41    3807461.91        0.06250                        464923.41
3807461.91        0.06253
         464503.41    3807481.91        0.06304                        464523.41
3807481.91        0.06360
         464543.41    3807481.91        0.06392                        464563.41
3807481.91        0.06407
         464583.41    3807481.91        0.06417                        464603.41
3807481.91        0.06426
         464623.41    3807481.91        0.06432                        464643.41
3807481.91        0.06433
         464663.41    3807481.91        0.06434                        464683.41
3807481.91        0.06432
         464703.41    3807481.91        0.06426                        464723.41
3807481.91        0.06443
         464743.41    3807481.91        0.06459                        464763.41
3807481.91        0.06411
         464783.41    3807481.91        0.06411                        464803.41
3807481.91        0.06422
         464823.41    3807481.91        0.06369                        464843.41
3807481.91        0.06366
         464863.41    3807481.91        0.06379                        464883.41
3807481.91        0.06363
         464903.41    3807481.91        0.06343                        464923.41
3807481.91        0.06321
         464503.41    3807501.91        0.06396                        464523.41
3807501.91        0.06453
         464543.41    3807501.91        0.06498                        464563.41
3807501.91        0.06527
         464583.41    3807501.91        0.06516                        464603.41
3807501.91        0.06532
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***

INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 , L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 , L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 , L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464623.41	3807501.91	0.06552	464643.41	3807501.91	0.06531
464663.41	3807501.91	0.06540	464683.41	3807501.91	0.06551
464703.41	3807501.91	0.06523	464723.41	3807501.91	0.06524
464743.41	3807501.91	0.06529	464763.41	3807501.91	0.06495
464783.41	3807501.91	0.06490	464803.41	3807501.91	0.06490
464823.41	3807501.91	0.06451	464843.41	3807501.91	0.06443
464863.41	3807501.91	0.06449	464883.41	3807501.91	0.06468
464903.41	3807501.91	0.06435	464923.41	3807501.91	0.06389
464503.41	3807521.91	0.06541	464523.41	3807521.91	0.06600
464543.41	3807521.91	0.06612	464563.41	3807521.91	0.06609
464583.41	3807521.91	0.06648	464603.41	3807521.91	0.06647
464623.41	3807521.91	0.06633	464643.41	3807521.91	0.06663
464663.41	3807521.91	0.06653	464683.41	3807521.91	0.06631
464703.41	3807521.91	0.06654	464723.41	3807521.91	0.06636

```
         464743.41    3807521.91        0.06607                    464763.41
3807521.91        0.06624
         464783.41    3807521.91        0.06600                    464803.41
3807521.91        0.06566
         464823.41    3807521.91        0.06578                    464843.41
3807521.91        0.06551
         464863.41    3807521.91        0.06515                    464883.41
3807521.91        0.06534
         464903.41    3807521.91        0.06500                    464923.41
3807521.91        0.06453
         464503.41    3807541.91        0.06683                    464523.41
3807541.91        0.06703
         464543.41    3807541.91        0.06722                    464563.41
3807541.91        0.06738
         464583.41    3807541.91        0.06748                    464603.41
3807541.91        0.06756
         464623.41    3807541.91        0.06762                    464643.41
3807541.91        0.06762
         464663.41    3807541.91        0.06762                    464683.41
3807541.91        0.06759
         464703.41    3807541.91        0.06752                    464723.41
3807541.91        0.06744
         464743.41    3807541.91        0.06734                    464763.41
3807541.91        0.06720
         464783.41    3807541.91        0.06678                    464803.41
3807541.91        0.06636
         464823.41    3807541.91        0.06658                    464843.41
3807541.91        0.06655
         464863.41    3807541.91        0.06636                    464883.41
3807541.91        0.06614
         464903.41    3807541.91        0.06594                    464923.41
3807541.91        0.06572
         464503.41    3807561.91        0.06810                    464523.41
3807561.91        0.06809
         464543.41    3807561.91        0.06836                    464563.41
3807561.91        0.06866
         464583.41    3807561.91        0.06853                    464603.41
3807561.91        0.06870
         464623.41    3807561.91        0.06890                    464643.41
3807561.91        0.06867
         464663.41    3807561.91        0.06875                    464683.41
3807561.91        0.06886
         464703.41    3807561.91        0.06855                    464723.41
3807561.91        0.06855
         464743.41    3807561.91        0.06857                    464763.41
3807561.91        0.06803
         464783.41    3807561.91        0.06759                    464803.41
3807561.91        0.06727
         464823.41    3807561.91        0.06732                    464843.41
3807561.91        0.06749
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                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                  INCLUDING SOURCE(S):   L0006493   , L0006494
, L0006495   , L0006496   , L0006497   ,
                  L0006498   , L0006499   , L0006500   , L0006501   , L0006502
, L0006503   , L0006504   , L0006505   ,
                  L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                  L0006514   , L0006515   , L0006516   , L0006517   , L0006518
, L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464903.41   3807561.91   0.06686   464923.41
3807561.91   0.06691
         464503.41   3807581.91   0.06898   464523.41
3807581.91   0.06950
         464543.41   3807581.91   0.06958   464563.41
3807581.91   0.06953
         464583.41   3807581.91   0.06995   464603.41
3807581.91   0.06992
         464623.41   3807581.91   0.06977   464643.41
3807581.91   0.07009
         464663.41   3807581.91   0.06997   464683.41
3807581.91   0.06972
         464703.41   3807581.91   0.06995   464723.41
3807581.91   0.06975
         464743.41   3807581.91   0.06931   464763.41
3807581.91   0.06876
         464783.41   3807581.91   0.06868   464803.41
3807581.91   0.06870
         464823.41   3807581.91   0.06822   464843.41

3807581.91 0.06820
464863.41 3807581.91 0.06826 464883.41
3807581.91 0.06763
464903.41 3807581.91 0.06755 464923.41
3807581.91 0.06770
464503.41 3807601.91 0.07044 464523.41
3807601.91 0.07107
464543.41 3807601.91 0.07112 464563.41
3807601.91 0.07092
464583.41 3807601.91 0.07101 464603.41
3807601.91 0.07110
464623.41 3807601.91 0.07115 464643.41
3807601.91 0.07115
464663.41 3807601.91 0.07114 464683.41
3807601.91 0.07110
464703.41 3807601.91 0.07100 464723.41
3807601.91 0.07061
464743.41 3807601.91 0.07014 464763.41
3807601.91 0.07002
464783.41 3807601.91 0.06985 464803.41
3807601.91 0.06966
464823.41 3807601.91 0.06949 464843.41
3807601.91 0.06928
464863.41 3807601.91 0.06905 464883.41
3807601.91 0.06885
464903.41 3807601.91 0.06861 464923.41
3807601.91 0.06842
464503.41 3807621.91 0.07206 464523.41
3807621.91 0.07254
464543.41 3807621.91 0.07254 464563.41
3807621.91 0.07229
464583.41 3807621.91 0.07214 464603.41
3807621.91 0.07232
464623.41 3807621.91 0.07252 464643.41
3807621.91 0.07227
464663.41 3807621.91 0.07235 464683.41
3807621.91 0.07243
464703.41 3807621.91 0.07192 464723.41
3807621.91 0.07150
464743.41 3807621.91 0.07120 464763.41
3807621.91 0.07130
464783.41 3807621.91 0.07105 464803.41
3807621.91 0.07070
464823.41 3807621.91 0.07075 464843.41
3807621.91 0.07046
464863.41 3807621.91 0.07007 464883.41
3807621.91 0.07010
464903.41 3807621.91 0.06978 464923.41
3807621.91 0.06936
464503.41 3807641.91 0.07366 464523.41

3807641.91 0.07358
 464543.41 3807641.91 0.07337 464563.41
3807641.91 0.07322
 464583.41 3807641.91 0.07366 464603.41
3807641.91 0.07363
 464623.41 3807641.91 0.07346 464643.41
3807641.91 0.07379
 464663.41 3807641.91 0.07366 464683.41
3807641.91 0.07325
 464703.41 3807641.91 0.07273 464723.41
3807641.91 0.07269

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
 L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
 L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
 L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464743.41	3807641.91	0.07276	464763.41	3807641.91	0.07229
464783.41	3807641.91	0.07222	464803.41	3807641.91	0.07224
464823.41	3807641.91	0.07172	464843.41	3807641.91	0.07161
464863.41	3807641.91	0.07159	464883.41	3807641.91	0.07104
464903.41	3807641.91	0.07091	464923.41	3807641.91	0.07086

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        464503.41    3807661.91        0.07539                    464523.41
3807661.91        0.07518
        464543.41    3807661.91        0.07493                    464563.41
3807661.91        0.07471
        464583.41    3807661.91        0.07481                    464603.41
3807661.91        0.07489
        464623.41    3807661.91        0.07495                    464643.41
3807661.91        0.07493
        464663.41    3807661.91        0.07491                    464683.41
3807661.91        0.07480
        464703.41    3807661.91        0.07426                    464723.41
3807661.91        0.07397
        464743.41    3807661.91        0.07382                    464763.41
3807661.91        0.07368
        464783.41    3807661.91        0.07349                    464803.41
3807661.91        0.07328
        464823.41    3807661.91        0.07309                    464843.41
3807661.91        0.07286
        464863.41    3807661.91        0.07261                    464883.41
3807661.91        0.07240
        464903.41    3807661.91        0.07214                    464923.41
3807661.91        0.07187
        464503.41    3807681.91        0.07721                    464523.41
3807681.91        0.07699
        464543.41    3807681.91        0.07673                    464563.41
3807681.91        0.07643
        464583.41    3807681.91        0.07609                    464603.41
3807681.91        0.07620
        464623.41    3807681.91        0.07642                    464643.41
3807681.91        0.07614
        464663.41    3807681.91        0.07622                    464683.41
3807681.91        0.07633
        464703.41    3807681.91        0.07595                    464723.41
3807681.91        0.07544
        464743.41    3807681.91        0.07496                    464763.41
3807681.91        0.07507
        464783.41    3807681.91        0.07479                    464803.41
3807681.91        0.07441
        464823.41    3807681.91        0.07446                    464843.41
3807681.91        0.07415
        464863.41    3807681.91        0.07373                    464883.41
3807681.91        0.07375
        464903.41    3807681.91        0.07341                    464923.41
3807681.91        0.07296
        464523.41    3807701.91        0.07884                    464543.41
3807701.91        0.07857
        464563.41    3807701.91        0.07826                    464583.41
3807701.91        0.07791
        464603.41    3807701.91        0.07761                    464623.41
3807701.91        0.07742
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         464643.41    3807701.91        0.07778                        464663.41
3807701.91        0.07762
         464683.41    3807701.91        0.07733                        464703.41
3807701.91        0.07758
         464723.41    3807701.91        0.07724                        464743.41
3807701.91        0.07664
         464763.41    3807701.91        0.07613                        464783.41
3807701.91        0.07606
         464803.41    3807701.91        0.07607                        464823.41
3807701.91        0.07551
         464843.41    3807701.91        0.07540                        464863.41
3807701.91        0.07537
         464883.41    3807701.91        0.07478                        464903.41
3807701.91        0.07464
         464923.41    3807701.91        0.07459                        464543.41
3807721.91        0.08013
         464563.41    3807721.91        0.07939                        464583.41
3807721.91        0.07903
         464603.41    3807721.91        0.07863                        464623.41
3807721.91        0.07835
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 140
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                  INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                  L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                  L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                  L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         464643.41    3807721.91        0.07883                        464663.41
```

3807721.91 0.07898
464683.41 3807721.91 0.07892 464703.41
3807721.91 0.07880
464723.41 3807721.91 0.07833 464743.41
3807721.91 0.07779
464763.41 3807721.91 0.07763 464783.41
3807721.91 0.07743
464803.41 3807721.91 0.07720 464823.41
3807721.91 0.07700
464843.41 3807721.91 0.07675 464863.41
3807721.91 0.07649
464883.41 3807721.91 0.07625 464903.41
3807721.91 0.07598
464923.41 3807721.91 0.07569 464943.41
3807721.91 0.07542
464963.41 3807721.91 0.07512 464983.41
3807721.91 0.07479
465003.41 3807721.91 0.07450 465023.41
3807721.91 0.07415
465043.41 3807721.91 0.07378 465063.41
3807721.91 0.07344
465083.41 3807721.91 0.07305 465103.41
3807721.91 0.07255
465123.41 3807721.91 0.07168 465143.41
3807721.91 0.07113
465163.41 3807721.91 0.07064 465183.41
3807721.91 0.06973
465203.41 3807721.91 0.06911 465223.41
3807721.91 0.06864
465243.41 3807721.91 0.06820 465263.41
3807721.91 0.06774
465283.41 3807721.91 0.06717 465303.41
3807721.91 0.06624
465323.41 3807721.91 0.06565 465343.41
3807721.91 0.06514
465363.41 3807721.91 0.06422 465383.41
3807721.91 0.06362
464543.41 3807741.91 0.08225 464563.41
3807741.91 0.08089
464583.41 3807741.91 0.08032 464603.41
3807741.91 0.07985
464623.41 3807741.91 0.07957 464643.41
3807741.91 0.08006
464663.41 3807741.91 0.08039 464683.41
3807741.91 0.08048
464703.41 3807741.91 0.07988 464723.41
3807741.91 0.07939
464743.41 3807741.91 0.07903 464763.41
3807741.91 0.07914
464783.41 3807741.91 0.07884 464803.41

3807741.91 0.07843
464823.41 3807741.91 0.07849 464843.41
3807741.91 0.07802
464863.41 3807741.91 0.07744 464883.41
3807741.91 0.07767
464903.41 3807741.91 0.07723 464923.41
3807741.91 0.07663
464943.41 3807741.91 0.07682 464963.41
3807741.91 0.07636
464983.41 3807741.91 0.07572 465003.41
3807741.91 0.07588
465023.41 3807741.91 0.07550 465043.41
3807741.91 0.07495
465063.41 3807741.91 0.07486 465083.41
3807741.91 0.07425
465103.41 3807741.91 0.07340 465123.41
3807741.91 0.07269
465143.41 3807741.91 0.07238 465163.41
3807741.91 0.07213
465183.41 3807741.91 0.07139 465203.41
3807741.91 0.07053
465223.41 3807741.91 0.06972 465243.41
3807741.91 0.06954
465263.41 3807741.91 0.06885 465283.41
3807741.91 0.06793
465303.41 3807741.91 0.06717 465323.41
3807741.91 0.06682
465343.41 3807741.91 0.06655 465363.41
3807741.91 0.06581

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465383.41	3807741.91	0.06497	464543.41	3807761.91	0.08591
464563.41	3807761.91	0.08379	464583.41	3807761.91	0.08252
464603.41	3807761.91	0.08180	464623.41	3807761.91	0.08152
464643.41	3807761.91	0.08203	464663.41	3807761.91	0.08191
464683.41	3807761.91	0.08144	464703.41	3807761.91	0.08083
464723.41	3807761.91	0.08078	464743.41	3807761.91	0.08085
464763.41	3807761.91	0.08030	464783.41	3807761.91	0.08022
464803.41	3807761.91	0.08023	464823.41	3807761.91	0.07963
464843.41	3807761.91	0.07893	464863.41	3807761.91	0.07835
464883.41	3807761.91	0.07858	464903.41	3807761.91	0.07813
464923.41	3807761.91	0.07752	464943.41	3807761.91	0.07772
464963.41	3807761.91	0.07724	464983.41	3807761.91	0.07660
465003.41	3807761.91	0.07676	465023.41	3807761.91	0.07681
465043.41	3807761.91	0.07668	465063.41	3807761.91	0.07594
465083.41	3807761.91	0.07510	465103.41	3807761.91	0.07435
465123.41	3807761.91	0.07430	465143.41	3807761.91	0.07374
465163.41	3807761.91	0.07306	465183.41	3807761.91	0.07298
465203.41	3807761.91	0.07230	465223.41	3807761.91	0.07137
465243.41	3807761.91	0.07054	465263.41	3807761.91	0.06962
465283.41	3807761.91	0.06880	465303.41	3807761.91	0.06870
465323.41	3807761.91	0.06811	465343.41	3807761.91	0.06741

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         465363.41    3807761.91        0.06733                       465383.41
3807761.91        0.06667
         464543.41    3807781.91        0.09016                       464563.41
3807781.91        0.08779
         464583.41    3807781.91        0.08630                       464603.41
3807781.91        0.08514
         464623.41    3807781.91        0.08418                       464643.41
3807781.91        0.08358
         464663.41    3807781.91        0.08338                       464683.41
3807781.91        0.08324
         464703.41    3807781.91        0.08261                       464723.41
3807781.91        0.08228
         464743.41    3807781.91        0.08210                       464763.41
3807781.91        0.08193
         464783.41    3807781.91        0.08172                       464803.41
3807781.91        0.08138
         464823.41    3807781.91        0.08063                       464843.41
3807781.91        0.08023
         464863.41    3807781.91        0.07998                       464883.41
3807781.91        0.07969
         464903.41    3807781.91        0.07942                       464923.41
3807781.91        0.07914
         464943.41    3807781.91        0.07882                       464963.41
3807781.91        0.07851
         464983.41    3807781.91        0.07820                       465003.41
3807781.91        0.07784
         465023.41    3807781.91        0.07781                       465043.41
3807781.91        0.07777
         465063.41    3807781.91        0.07688                       465083.41
3807781.91        0.07634
         465103.41    3807781.91        0.07594                       465123.41
3807781.91        0.07549
         465143.41    3807781.91        0.07507                       465163.41
3807781.91        0.07463
         465183.41    3807781.91        0.07416                       465203.41
3807781.91        0.07334
         465223.41    3807781.91        0.07246                       465243.41
3807781.91        0.07201
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                   PAGE 142
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                   INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
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L0006498 , L0006499 , L0006500 , L0006501 , L0006502
, L0006503 , L0006504 , L0006505 ,
L0006506 , L0006507 , L0006508 , L0006509 , L0006510
, L0006511 , L0006512 , L0006513 ,
L0006514 , L0006515 , L0006516 , L0006517 , L0006518
, L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465263.41	3807781.91	0.07121	465283.41	3807781.91	0.07030
465303.41	3807781.91	0.06981	465323.41	3807781.91	0.06935
465343.41	3807781.91	0.06890	465363.41	3807781.91	0.06843
465383.41	3807781.91	0.06763	464543.41	3807801.91	0.09456
464563.41	3807801.91	0.09223	464583.41	3807801.91	0.09044
464603.41	3807801.91	0.08864	464623.41	3807801.91	0.08686
464643.41	3807801.91	0.08525	464663.41	3807801.91	0.08491
464683.41	3807801.91	0.08500	464703.41	3807801.91	0.08436
464723.41	3807801.91	0.08383	464743.41	3807801.91	0.08345
464763.41	3807801.91	0.08357	464783.41	3807801.91	0.08312
464803.41	3807801.91	0.08239	464823.41	3807801.91	0.08183
464843.41	3807801.91	0.08170	464863.41	3807801.91	0.08163
464883.41	3807801.91	0.08103	464903.41	3807801.91	0.08087
464923.41	3807801.91	0.08077	464943.41	3807801.91	0.08014
464963.41	3807801.91	0.07995	464983.41	3807801.91	0.07981
465003.41	3807801.91	0.07915	465023.41	3807801.91	0.07891
465043.41	3807801.91	0.07873	465063.41		

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3807801.91        0.07802
         465083.41    3807801.91        0.07774                      465103.41
3807801.91        0.07752
         465123.41    3807801.91        0.07677                      465143.41
3807801.91        0.07645
         465163.41    3807801.91        0.07617                      465183.41
3807801.91        0.07519
         465203.41    3807801.91        0.07434                      465223.41
3807801.91        0.07366
         465243.41    3807801.91        0.07350                      465263.41
3807801.91        0.07278
         465283.41    3807801.91        0.07180                      465303.41
3807801.91        0.07100
         465323.41    3807801.91        0.07065                      465343.41
3807801.91        0.07036
         465363.41    3807801.91        0.06937                      465383.41
3807801.91        0.06855
         464543.41    3807821.91        0.09875                      464563.41
3807821.91        0.09682
         464583.41    3807821.91        0.09417                      464603.41
3807821.91        0.09153
         464623.41    3807821.91        0.08906                      464643.41
3807821.91        0.08739
         464663.41    3807821.91        0.08656                      464683.41
3807821.91        0.08605
         464703.41    3807821.91        0.08540                      464723.41
3807821.91        0.08535
         464743.41    3807821.91        0.08543                      464763.41
3807821.91        0.08484
         464783.41    3807821.91        0.08414                      464803.41
3807821.91        0.08353
         464823.41    3807821.91        0.08368                      464843.41
3807821.91        0.08328
         464863.41    3807821.91        0.08275                      464883.41
3807821.91        0.08286
         464903.41    3807821.91        0.08244                      464923.41
3807821.91        0.08188
         464943.41    3807821.91        0.08196                      464963.41
3807821.91        0.08150
         464983.41    3807821.91        0.08091                      465003.41
3807821.91        0.08095
         465023.41    3807821.91        0.08045                      465043.41
3807821.91        0.07981
         465063.41    3807821.91        0.07981                      465083.41
3807821.91        0.07927
         465103.41    3807821.91        0.07858                      465123.41
3807821.91        0.07855
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465143.41	3807821.91	0.07797	465163.41	3807821.91	0.07709
465183.41	3807821.91	0.07609	465203.41	3807821.91	0.07571
465223.41	3807821.91	0.07549	465243.41	3807821.91	0.07461
465263.41	3807821.91	0.07363	465283.41	3807821.91	0.07277
465303.41	3807821.91	0.07269	465323.41	3807821.91	0.07208
465343.41	3807821.91	0.07118	465363.41	3807821.91	0.07018
465383.41	3807821.91	0.06983	464543.41	3807841.91	0.10423
464563.41	3807841.91	0.10273	464583.41	3807841.91	0.09906
464603.41	3807841.91	0.09547	464623.41	3807841.91	0.09226
464643.41	3807841.91	0.09052	464663.41	3807841.91	0.08915
464683.41	3807841.91	0.08801	464723.41	3807841.91	0.08699
464743.41	3807841.91	0.08670	464763.41	3807841.91	0.08595

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        464783.41    3807841.91        0.08558                    464803.41
3807841.91        0.08535
        464823.41    3807841.91        0.08508                    464843.41
3807841.91        0.08482
        464863.41    3807841.91        0.08456                    464883.41
3807841.91        0.08425
        464903.41    3807841.91        0.08397                    464923.41
3807841.91        0.08367
        464943.41    3807841.91        0.08334                    464963.41
3807841.91        0.08302
        464983.41    3807841.91        0.08269                    465003.41
3807841.91        0.08231
        465023.41    3807841.91        0.08195                    465043.41
3807841.91        0.08158
        465063.41    3807841.91        0.08115                    465083.41
3807841.91        0.08075
        465103.41    3807841.91        0.08034                    465123.41
3807841.91        0.07988
        465143.41    3807841.91        0.07944                    465163.41
3807841.91        0.07891
        465183.41    3807841.91        0.07789                    465203.41
3807841.91        0.07721
        465223.41    3807841.91        0.07670                    465243.41
3807841.91        0.07625
        465263.41    3807841.91        0.07540                    465283.41
3807841.91        0.07444
        465303.41    3807841.91        0.07393                    465323.41
3807841.91        0.07305
        465343.41    3807841.91        0.07212                    465363.41
3807841.91        0.07169
        465383.41    3807841.91        0.07124                    464503.41
3807861.91        0.10827
        464523.41    3807861.91        0.10934                    464543.41
3807861.91        0.10941
        464563.41    3807861.91        0.10837                    464583.41
3807861.91        0.10460
        464603.41    3807861.91        0.10043                    464723.41
3807861.91        0.08853
        464743.41    3807861.91        0.08779                    464763.41
3807861.91        0.08704
        464783.41    3807861.91        0.08701                    464803.41
3807861.91        0.08717
        464823.41    3807861.91        0.08657                    464843.41
3807861.91        0.08643
        464863.41    3807861.91        0.08636                    464883.41
3807861.91        0.08573
        464903.41    3807861.91        0.08556                    464923.41
3807861.91        0.08547
        464943.41    3807861.91        0.08481                    464963.41
3807861.91        0.08460
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                  INCLUDING SOURCE(S):   L0006493   , L0006494
, L0006495   , L0006496   , L0006497   ,
                  L0006498   , L0006499   , L0006500   , L0006501   , L0006502
, L0006503   , L0006504   , L0006505   ,
                  L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                  L0006514   , L0006515   , L0006516   , L0006517   , L0006518
, L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465103.41   3807861.91   0.08209   465123.41
3807861.91   0.08130
         465143.41   3807861.91   0.08098   465163.41
3807861.91   0.08074
         465183.41   3807861.91   0.07992   465203.41
3807861.91   0.07895
         465223.41   3807861.91   0.07805   465243.41
3807861.91   0.07790
         465263.41   3807861.91   0.07714   465283.41
3807861.91   0.07610
         465303.41   3807861.91   0.07526   465323.41
3807861.91   0.07428
         465343.41   3807861.91   0.07338   465363.41
3807861.91   0.07326
         465383.41   3807861.91   0.07270   464503.41

3807881.91 0.11125
464523.41 3807881.91 0.11236 464543.41
3807881.91 0.11241
464723.41 3807881.91 0.08967 464743.41
3807881.91 0.08892
464763.41 3807881.91 0.08815 464783.41
3807881.91 0.08813
464803.41 3807881.91 0.08843 464823.41
3807881.91 0.08859
464843.41 3807881.91 0.08818 464863.41
3807881.91 0.08762
464883.41 3807881.91 0.08775 464903.41
3807881.91 0.08730
464923.41 3807881.91 0.08671 464943.41
3807881.91 0.08681
464963.41 3807881.91 0.08633 464983.41
3807881.91 0.08569
465003.41 3807881.91 0.08576 465023.41
3807881.91 0.08523
465043.41 3807881.91 0.08456 465063.41
3807881.91 0.08458
465083.41 3807881.91 0.08401 465103.41
3807881.91 0.08329
465123.41 3807881.91 0.08328 465143.41
3807881.91 0.08267
465163.41 3807881.91 0.08192 465183.41
3807881.91 0.08189
465203.41 3807881.91 0.08113 465223.41
3807881.91 0.08008
465243.41 3807881.91 0.07914 465263.41
3807881.91 0.07810
465283.41 3807881.91 0.07719 465303.41
3807881.91 0.07714
465323.41 3807881.91 0.07637 465343.41
3807881.91 0.07533
465363.41 3807881.91 0.07442 465383.41
3807881.91 0.07440
464723.41 3807901.91 0.09188 464743.41
3807901.91 0.09018
464763.41 3807901.91 0.09003 464783.41
3807901.91 0.08978
464803.41 3807901.91 0.08960 464823.41
3807901.91 0.08993
464843.41 3807901.91 0.08946 464863.41
3807901.91 0.08878
464883.41 3807901.91 0.08907 464903.41
3807901.91 0.08899
464923.41 3807901.91 0.08869 464943.41
3807901.91 0.08834
464963.41 3807901.91 0.08758 464983.41

3807901.91 0.08684
  465003.41 3807901.91 0.08706 465023.41
3807901.91 0.08690
  465043.41 3807901.91 0.08652 465063.41
3807901.91 0.08608
  465083.41 3807901.91 0.08566 465103.41
3807901.91 0.08524
  465123.41 3807901.91 0.08476 465143.41
3807901.91 0.08432
  465163.41 3807901.91 0.08386 465183.41
3807901.91 0.08336
  465203.41 3807901.91 0.08244 465223.41
3807901.91 0.08144
  465243.41 3807901.91 0.08097 465263.41
3807901.91 0.08007

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465283.41	3807901.91	0.07904	465303.41	3807901.91	0.07852
465323.41	3807901.91	0.07818	465343.41	3807901.91	0.07802
465363.41	3807901.91	0.07692	465383.41	3807901.91	0.07649

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        464723.41    3807921.91        0.09476                    464743.41
3807921.91        0.09210
        464763.41    3807921.91        0.09202                    464783.41
3807921.91        0.09159
        464803.41    3807921.91        0.09111                    464823.41
3807921.91        0.09120
        464843.41    3807921.91        0.09081                    464863.41
3807921.91        0.09032
        464883.41    3807921.91        0.09062                    464903.41
3807921.91        0.09076
        464923.41    3807921.91        0.09064                    464943.41
3807921.91        0.08970
        464963.41    3807921.91        0.08891                    464983.41
3807921.91        0.08835
        465003.41    3807921.91        0.08859                    465023.41
3807921.91        0.08865
        465043.41    3807921.91        0.08848                    465063.41
3807921.91        0.08769
        465083.41    3807921.91        0.08740                    465103.41
3807921.91        0.08720
        465123.41    3807921.91        0.08636                    465143.41
3807921.91        0.08604
        465163.41    3807921.91        0.08581                    465183.41
3807921.91        0.08494
        465203.41    3807921.91        0.08390                    465223.41
3807921.91        0.08293
        465243.41    3807921.91        0.08281                    465263.41
3807921.91        0.08218
        465283.41    3807921.91        0.08139                    465303.41
3807921.91        0.08024
        465323.41    3807921.91        0.08020                    465343.41
3807921.91        0.08044
        465363.41    3807921.91        0.07930                    465383.41
3807921.91        0.07835
        464723.41    3807941.91        0.09858                    464743.41
3807941.91        0.09553
        464763.41    3807941.91        0.09379                    464783.41
3807941.91        0.09337
        464803.41    3807941.91        0.09342                    464823.41
3807941.91        0.09271
        464843.41    3807941.91        0.09259                    464863.41
3807941.91        0.09277
        464883.41    3807941.91        0.09310                    464903.41
3807941.91        0.09269
        464923.41    3807941.91        0.09187                    464943.41
3807941.91        0.09092
        464963.41    3807941.91        0.09068                    464983.41
3807941.91        0.09079
        465003.41    3807941.91        0.09105                    465023.41
3807941.91        0.09056
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         465043.41    3807941.91        0.08984                       465063.41
3807941.91        0.08990
         465083.41    3807941.91        0.08930                       465103.41
3807941.91        0.08854
         465123.41    3807941.91        0.08856                       465143.41
3807941.91        0.08793
         465163.41    3807941.91        0.08713                       465183.41
3807941.91        0.08713
         465203.41    3807941.91        0.08633                       465223.41
3807941.91        0.08520
         465243.41    3807941.91        0.08420                       465263.41
3807941.91        0.08416
         465283.41    3807941.91        0.08461                       465303.41
3807941.91        0.08342
         465323.41    3807941.91        0.08251                       465343.41
3807941.91        0.08147
         465363.41    3807941.91        0.08031                       465383.41
3807941.91        0.07990
         465403.41    3807941.91        0.07971                       465423.41
3807941.91        0.07879
         465443.41    3807941.91        0.07778                       465463.41
3807941.91        0.07650
         465483.41    3807941.91        0.07567                       465503.41
3807941.91        0.07474
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 146
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                 INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                  L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                  L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                  L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
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Y-COORD (M) CONC

- - - -

3807961.91   0.07783
         465483.41   3807961.91   0.07760   465503.41
3807961.91   0.07680
         465523.41   3807961.91   0.07592   465543.41
3807961.91   0.07556
         465563.41   3807961.91   0.07481   465583.41
3807961.91   0.07399
         465603.41   3807961.91   0.07374   465623.41
3807961.91   0.07359
         465643.41   3807961.91   0.07331   465663.41
3807961.91   0.07311
         465683.41   3807961.91   0.07288   465703.41
3807961.91   0.07252
         464743.41   3807981.91   0.10359   464763.41
3807981.91   0.09976
         464783.41   3807981.91   0.09775   464803.41
3807981.91   0.09685
         464823.41   3807981.91   0.09725   464843.41
3807981.91   0.09674
         464863.41   3807981.91   0.09601   464883.41
3807981.91   0.09637
         464903.41   3807981.91   0.09583   464923.41
3807981.91   0.09503
         464943.41   3807981.91   0.09507   464963.41
3807981.91   0.09459
         464983.41   3807981.91   0.09396   465003.41
3807981.91   0.09397
         465023.41   3807981.91   0.09344   465043.41
3807981.91   0.09276
         465063.41   3807981.91   0.09272   465083.41
3807981.91   0.09288
         465103.41   3807981.91   0.09287   465123.41
3807981.91   0.09171

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                  INCLUDING SOURCE(S):   L0006493   , L0006494
, L0006495   , L0006496   , L0006497   ,
                  L0006498   , L0006499   , L0006500   , L0006501   , L0006502
, L0006503   , L0006504   , L0006505   ,
                  L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                  L0006514   , L0006515   , L0006516   , L0006517   , L0006518

, L0006519   , L0006520   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465143.41	3807981.91	0.09147	465163.41	3807981.91	0.09148
465183.41	3807981.91	0.09054	465203.41	3807981.91	0.09081
465223.41	3807981.91	0.09109	465243.41	3807981.91	0.08983
465263.41	3807981.91	0.08857	465283.41	3807981.91	0.08736
465303.41	3807981.91	0.08637	465323.41	3807981.91	0.08595
465343.41	3807981.91	0.08565	465363.41	3807981.91	0.08484
465383.41	3807981.91	0.08375	465403.41	3807981.91	0.08276
465423.41	3807981.91	0.08269	465443.41	3807981.91	0.08194
465463.41	3807981.91	0.07942	465483.41	3807981.91	0.07943
465503.41	3807981.91	0.07873	465523.41	3807981.91	0.07775
465543.41	3807981.91	0.07702	465563.41	3807981.91	0.07613
465583.41	3807981.91	0.07537	465603.41	3807981.91	0.07561
465623.41	3807981.91	0.07519	465643.41	3807981.91	0.07467
465663.41	3807981.91	0.07485	465683.41	3807981.91	0.07428
465703.41	3807981.91	0.07341	464763.41	3808001.91	0.10424
464783.41	3808001.91	0.10122	464803.41	3808001.91	0.09957
464823.41	3808001.91	0.09999	464843.41	3808001.91	0.09946
464863.41	3808001.91	0.09873	464883.41	3808001.91	0.09911
464903.41	3808001.91	0.09855	464923.41	3808001.91	0.09758

```
         464943.41    3808001.91        0.09675                        464963.41
3808001.91        0.09657
         464983.41    3808001.91        0.09652                        465003.41
3808001.91        0.09563
         465023.41    3808001.91        0.09540                        465043.41
3808001.91        0.09531
         465063.41    3808001.91        0.09436                        465083.41
3808001.91        0.09422
         465103.41    3808001.91        0.09421                        465123.41
3808001.91        0.09302
         465143.41    3808001.91        0.09277                        465163.41
3808001.91        0.09296
         465183.41    3808001.91        0.09377                        465203.41
3808001.91        0.09350
         465223.41    3808001.91        0.09236                        465243.41
3808001.91        0.09108
         465263.41    3808001.91        0.08979                        465283.41
3808001.91        0.08871
         465303.41    3808001.91        0.08863                        465323.41
3808001.91        0.08788
         465343.41    3808001.91        0.08712                        465363.41
3808001.91        0.08710
         465383.41    3808001.91        0.08626                        465403.41
3808001.91        0.08510
         465423.41    3808001.91        0.08411                        465443.41
3808001.91        0.08303
         465463.41    3808001.91        0.08164                        465483.41
3808001.91        0.08076
         465503.41    3808001.91        0.07976                        465523.41
3808001.91        0.07893
         465543.41    3808001.91        0.07920                        465563.41
3808001.91        0.07859
         465583.41    3808001.91        0.07762                        465603.41
3808001.91        0.07685
         465623.41    3808001.91        0.07675                        465643.41
3808001.91        0.07680
         465663.41    3808001.91        0.07606                        465683.41
3808001.91        0.07517
         465703.41    3808001.91        0.07445                        464763.41
3808021.91        0.11061
         464783.41    3808021.91        0.10719                        464803.41
3808021.91        0.10439
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 148
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 , L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 , L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 , L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464823.41	3808021.91	0.10334	464843.41	3808021.91	0.10232
464863.41	3808021.91	0.10145	464883.41	3808021.91	0.10110
464903.41	3808021.91	0.10080	464923.41	3808021.91	0.10038
464943.41	3808021.91	0.09934	464963.41	3808021.91	0.09872
464983.41	3808021.91	0.09832	465003.41	3808021.91	0.09799
465023.41	3808021.91	0.09755	465043.41	3808021.91	0.09709
465063.41	3808021.91	0.09669	465083.41	3808021.91	0.09622
465103.41	3808021.91	0.09572	465123.41	3808021.91	0.09526
465143.41	3808021.91	0.09476	465163.41	3808021.91	0.09433
465183.41	3808021.91	0.09549	465203.41	3808021.91	0.09498
465223.41	3808021.91	0.09380	465243.41	3808021.91	0.09323
465263.41	3808021.91	0.09216	465283.41	3808021.91	0.09095
465303.41	3808021.91	0.09033	465323.41	3808021.91	0.08990
465343.41	3808021.91	0.08935	465363.41	3808021.91	0.08878
465383.41	3808021.91	0.08774	465403.41		

3808021.91 0.08664
465423.41 3808021.91 0.08621 465443.41
3808021.91 0.08530
465463.41 3808021.91 0.08313 465483.41
3808021.91 0.08276
465503.41 3808021.91 0.08191 465523.41
3808021.91 0.08097
465543.41 3808021.91 0.08072 465563.41
3808021.91 0.08041
465583.41 3808021.91 0.07999 465603.41
3808021.91 0.07898
465623.41 3808021.91 0.07845 465643.41
3808021.91 0.07803
465663.41 3808021.91 0.07705 465683.41
3808021.91 0.07671
465703.41 3808021.91 0.07647 464783.41
3808041.91 0.11332
464803.41 3808041.91 0.10973 464823.41
3808041.91 0.10724
464843.41 3808041.91 0.10555 464863.41
3808041.91 0.10429
464883.41 3808041.91 0.10327 464903.41
3808041.91 0.10301
464923.41 3808041.91 0.10292 464943.41
3808041.91 0.10185
464963.41 3808041.91 0.10076 464983.41
3808041.91 0.09990
465003.41 3808041.91 0.10024 465023.41
3808041.91 0.09978
465043.41 3808041.91 0.09905 465063.41
3808041.91 0.09904
465083.41 3808041.91 0.09844 465103.41
3808041.91 0.09765
465123.41 3808041.91 0.09760 465143.41
3808041.91 0.09695
465163.41 3808041.91 0.09629 465183.41
3808041.91 0.09713
465203.41 3808041.91 0.09655 465223.41
3808041.91 0.09565
465243.41 3808041.91 0.09547 465263.41
3808041.91 0.09487
465283.41 3808041.91 0.09376 465303.41
3808041.91 0.09241
465323.41 3808041.91 0.09187 465343.41
3808041.91 0.09159
465363.41 3808041.91 0.09058 465383.41
3808041.91 0.08941
465403.41 3808041.91 0.08835 465423.41
3808041.91 0.08847
465443.41 3808041.91 0.08767 465463.41

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465483.41	3808041.91	0.08494	465503.41	3808041.91	0.08439
465523.41	3808041.91	0.08350	465543.41	3808041.91	0.08242
465563.41	3808041.91	0.08217	465583.41	3808041.91	0.08211
465603.41	3808041.91	0.08105	465623.41	3808041.91	0.08002
465643.41	3808041.91	0.07904	465663.41	3808041.91	0.07831
465683.41	3808041.91	0.07833	465703.41	3808041.91	0.07832
464803.41	3808061.91	0.11465	464823.41	3808061.91	0.11200
464843.41	3808061.91	0.10953	464863.41	3808061.91	0.10738
464883.41	3808061.91	0.10633	464903.41	3808061.91	0.10542
464923.41	3808061.91	0.10451	464943.41	3808061.91	0.10341

```
         464963.41    3808061.91        0.10231                    464983.41
3808061.91        0.10143
         465003.41    3808061.91        0.10178                    465023.41
3808061.91        0.10199
         465043.41    3808061.91        0.10191                    465063.41
3808061.91        0.10090
         465083.41    3808061.91        0.10062                    465103.41
3808061.91        0.10050
         465123.41    3808061.91        0.09943                    465143.41
3808061.91        0.09944
         465163.41    3808061.91        0.10006                    465183.41
3808061.91        0.09907
         465203.41    3808061.91        0.09865                    465223.41
3808061.91        0.09839
         465243.41    3808061.91        0.09721                    465263.41
3808061.91        0.09694
         465283.41    3808061.91        0.09664                    465303.41
3808061.91        0.09525
         465323.41    3808061.91        0.09404                    465343.41
3808061.91        0.09308
         465363.41    3808061.91        0.09326                    465383.41
3808061.91        0.09236
         465403.41    3808061.91        0.09111                    465423.41
3808061.91        0.09005
         465443.41    3808061.91        0.08888                    465463.41
3808061.91        0.08736
         465483.41    3808061.91        0.08641                    465503.41
3808061.91        0.08622
         465523.41    3808061.91        0.08619                    465543.41
3808061.91        0.08505
         465563.41    3808061.91        0.08408                    465583.41
3808061.91        0.08317
         465603.41    3808061.91        0.08209                    465623.41
3808061.91        0.08102
         465643.41    3808061.91        0.08019                    465663.41
3808061.91        0.08056
         465683.41    3808061.91        0.08009                    465703.41
3808061.91        0.07923
         464823.41    3808081.91        0.11576                    464843.41
3808081.91        0.11363
         464863.41    3808081.91        0.11178                    464883.41
3808081.91        0.10986
         464903.41    3808081.91        0.10792                    464923.41
3808081.91        0.10614
         464943.41    3808081.91        0.10503                    464963.41
3808081.91        0.10445
         464983.41    3808081.91        0.10408                    465003.41
3808081.91        0.10364
         465023.41    3808081.91        0.10372                    465043.41
3808081.91        0.10379
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***

INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465263.41	3808081.91	0.09920	465283.41	3808081.91	0.09840
465303.41	3808081.91	0.09698	465323.41	3808081.91	0.09615
465343.41	3808081.91	0.09558	465363.41	3808081.91	0.09514
465383.41	3808081.91	0.09402	465403.41	3808081.91	0.09284
465423.41	3808081.91	0.09240	465443.41	3808081.91	0.09142
465463.41	3808081.91	0.08902	465483.41		

3808081.91 0.08864
465503.41 3808081.91 0.08824 465523.41
3808081.91 0.08784
465543.41 3808081.91 0.08766 465563.41
3808081.91 0.08677
465583.41 3808081.91 0.08562 465603.41
3808081.91 0.08449
465623.41 3808081.91 0.08338 465643.41
3808081.91 0.08242
465663.41 3808081.91 0.08208 465683.41
3808081.91 0.08123
465703.41 3808081.91 0.08082 464843.41
3808101.91 0.11778
464863.41 3808101.91 0.11583 464883.41
3808101.91 0.11303
464903.41 3808101.91 0.11049 464923.41
3808101.91 0.10830
464943.41 3808101.91 0.10717 464963.41
3808101.91 0.10686
464983.41 3808101.91 0.10677 465003.41
3808101.91 0.10588
465023.41 3808101.91 0.10563 465043.41
3808101.91 0.10548
465063.41 3808101.91 0.10451 465083.41
3808101.91 0.10442
465103.41 3808101.91 0.10485 465123.41
3808101.91 0.10579
465143.41 3808101.91 0.10499 465163.41
3808101.91 0.10384
465183.41 3808101.91 0.10402 465203.41
3808101.91 0.10349
465223.41 3808101.91 0.10252 465243.41
3808101.91 0.10236
465263.41 3808101.91 0.10134 465283.41
3808101.91 0.09992
465303.41 3808101.91 0.09878 465323.41
3808101.91 0.09836
465343.41 3808101.91 0.09825 465363.41
3808101.91 0.09716
465383.41 3808101.91 0.09589 465403.41
3808101.91 0.09475
465423.41 3808101.91 0.09477 465443.41
3808101.91 0.09392
465463.41 3808101.91 0.09082 465483.41
3808101.91 0.09091
465503.41 3808101.91 0.09033 465523.41
3808101.91 0.08974
465543.41 3808101.91 0.08991 465563.41
3808101.91 0.08915
465583.41 3808101.91 0.08795 465603.41

3808101.91   0.08677
         465623.41   3808101.91   0.08560   465643.41
3808101.91   0.08469
         465663.41   3808101.91   0.08460   465683.41
3808101.91   0.08355
         465703.41   3808101.91   0.08264   464863.41
3808121.91   0.11775
         464883.41   3808121.91   0.11489   464903.41
3808121.91   0.11304
         464923.41   3808121.91   0.11169   464943.41
3808121.91   0.11051
         464963.41   3808121.91   0.10950   464983.41
3808121.91   0.10870
         465003.41   3808121.91   0.10889   465023.41
3808121.91   0.10825
         465043.41   3808121.91   0.10738   465063.41
3808121.91   0.10751
         465083.41   3808121.91   0.10812   465103.41
3808121.91   0.10903

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                 INCLUDING SOURCE(S):   L0006493   , L0006494
, L0006495   , L0006496   , L0006497   ,
                 L0006498   , L0006499   , L0006500   , L0006501   , L0006502
, L0006503   , L0006504   , L0006505   ,
                 L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                 L0006514   , L0006515   , L0006516   , L0006517   , L0006518
, L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465123.41   3808121.91   0.10801   465143.41
3808121.91   0.10664

465163.41	3808121.91	0.10546	465183.41	3808121.91	0.10564
465203.41	3808121.91	0.10585	465223.41	3808121.91	0.10560
465243.41	3808121.91	0.10431	465263.41	3808121.91	0.10288
465283.41	3808121.91	0.10163	465303.41	3808121.91	0.10178
465323.41	3808121.91	0.10094	465343.41	3808121.91	0.09991
465363.41	3808121.91	0.10001	465383.41	3808121.91	0.09905
465403.41	3808121.91	0.09769	465423.41	3808121.91	0.09654
465443.41	3808121.91	0.09526	465463.41	3808121.91	0.09358
465483.41	3808121.91	0.09254	465503.41	3808121.91	0.09248
465523.41	3808121.91	0.09249	465543.41	3808121.91	0.09149
465563.41	3808121.91	0.09032	465583.41	3808121.91	0.08908
465603.41	3808121.91	0.08787	465623.41	3808121.91	0.08667
465643.41	3808121.91	0.08649	465663.41	3808121.91	0.08742
465683.41	3808121.91	0.08686	465703.41	3808121.91	0.08567
464883.41	3808141.91	0.11853	464903.41	3808141.91	0.11583
464923.41	3808141.91	0.11390	464943.41	3808141.91	0.11270
464963.41	3808141.91	0.11148	464983.41	3808141.91	0.11052
465003.41	3808141.91	0.11095	465023.41	3808141.91	0.11021
465043.41	3808141.91	0.10916	465063.41	3808141.91	0.10953
465083.41	3808141.91	0.11043	465103.41	3808141.91	0.11128
465123.41	3808141.91	0.10981	465143.41	3808141.91	0.10894
465163.41	3808141.91	0.10831	465183.41	3808141.91	0.10762
465203.41	3808141.91	0.10767	465223.41	3808141.91	0.10757
465243.41	3808141.91	0.10601	465263.41	3808141.91	0.10510
465283.41	3808141.91	0.10445	465303.41	3808141.91	0.10392

```
         465323.41    3808141.91        0.10331                       465343.41
3808141.91        0.10272
         465363.41    3808141.91        0.10211                       465383.41
3808141.91        0.10091
         465403.41    3808141.91        0.09961                       465423.41
3808141.91        0.09930
         465443.41    3808141.91        0.09822                       465463.41
3808141.91        0.09681
         465483.41    3808141.91        0.09544                       465503.41
3808141.91        0.09471
         465523.41    3808141.91        0.09490                       465543.41
3808141.91        0.09514
         465563.41    3808141.91        0.09431                       465583.41
3808141.91        0.09299
         465603.41    3808141.91        0.09169                       465623.41
3808141.91        0.09041
         465643.41    3808141.91        0.08929                       465663.41
3808141.91        0.08939
         465683.41    3808141.91        0.08996                       465703.41
3808141.91        0.08954
         464883.41    3808161.91        0.12280                       464903.41
3808161.91        0.11904
         464923.41    3808161.91        0.11635                       464943.41
3808161.91        0.11512
         464963.41    3808161.91        0.11387                       464983.41
3808161.91        0.11283
         465003.41    3808161.91        0.11291                       465023.41
3808161.91        0.11228
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 152
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                  INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                 L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                 L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                 L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465043.41	3808161.91	0.11150	465063.41	3808161.91	0.11189
465083.41	3808161.91	0.11272	465103.41	3808161.91	0.11315
465123.41	3808161.91	0.11199	465143.41	3808161.91	0.11154
465163.41	3808161.91	0.11121	465183.41	3808161.91	0.11017
465203.41	3808161.91	0.10968	465223.41	3808161.91	0.10933
465243.41	3808161.91	0.10809	465263.41	3808161.91	0.10762
465283.41	3808161.91	0.10745	465303.41	3808161.91	0.10622
465323.41	3808161.91	0.10580	465343.41	3808161.91	0.10555
465363.41	3808161.91	0.10438	465383.41	3808161.91	0.10313
465403.41	3808161.91	0.10189	465423.41	3808161.91	0.10195
465443.41	3808161.91	0.10101	465463.41	3808161.91	0.09985
465483.41	3808161.91	0.09968	465503.41	3808161.91	0.09837
465523.41	3808161.91	0.09724	465543.41	3808161.91	0.09817
465563.41	3808161.91	0.09765	465583.41	3808161.91	0.09626
465603.41	3808161.91	0.09489	465623.41	3808161.91	0.09413
465643.41	3808161.91	0.09334	465663.41	3808161.91	0.09200
465683.41	3808161.91	0.09214	465703.41	3808161.91	0.09313
464903.41	3808181.91	0.12299	464923.41	3808181.91	0.12017
464943.41	3808181.91	0.11890	464963.41	3808181.91	0.11761
464983.41	3808181.91	0.11634	465003.41	3808181.91	0.11524
465023.41	3808181.91	0.11501	465043.41	3808181.91	0.11522
465063.41	3808181.91	0.11634	465083.41		

3808181.91 0.11632
465103.41 3808181.91 0.11525 465123.41
3808181.91 0.11527
465143.41 3808181.91 0.11438 465163.41
3808181.91 0.11343
465183.41 3808181.91 0.11341 465203.41
3808181.91 0.11248
465223.41 3808181.91 0.11132 465243.41
3808181.91 0.11148
465263.41 3808181.91 0.11054 465283.41
3808181.91 0.10937
465303.41 3808181.91 0.10942 465323.41
3808181.91 0.10853
465343.41 3808181.91 0.10741 465363.41
3808181.91 0.10772
465383.41 3808181.91 0.10668 465403.41
3808181.91 0.10517
465423.41 3808181.91 0.10390 465443.41
3808181.91 0.10247
465463.41 3808181.91 0.10218 465483.41
3808181.91 0.10322
465503.41 3808181.91 0.10249 465523.41
3808181.91 0.10103
465543.41 3808181.91 0.10005 465563.41
3808181.91 0.09890
465583.41 3808181.91 0.09746 465603.41
3808181.91 0.09605
465623.41 3808181.91 0.09673 465643.41
3808181.91 0.09695
465663.41 3808181.91 0.09553 465683.41
3808181.91 0.09428
465703.41 3808181.91 0.09472 464923.41
3808201.91 0.12559
464943.41 3808201.91 0.12325 464963.41
3808201.91 0.12156
464983.41 3808201.91 0.12020 465003.41
3808201.91 0.11881

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
L0006498 , L0006499 , L0006500 , L0006501 , L0006502

, L0006503   , L0006504   , L0006505   ,
                L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                L0006514   , L0006515   , L0006516   , L0006517   , L0006518
, L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465023.41   3808201.91   0.11866   465043.41
3808201.91   0.11968
         465063.41   3808201.91   0.11957   465083.41
3808201.91   0.11915
         465103.41   3808201.91   0.11855   465123.41
3808201.91   0.11783
         465143.41   3808201.91   0.11734   465163.41
3808201.91   0.11666
         465183.41   3808201.91   0.11592   465203.41
3808201.91   0.11522
         465223.41   3808201.91   0.11453   465243.41
3808201.91   0.11393
         465263.41   3808201.91   0.11323   465283.41
3808201.91   0.11255
         465303.41   3808201.91   0.11183   465323.41
3808201.91   0.11134
         465343.41   3808201.91   0.11072   465363.41
3808201.91   0.11007
         465383.41   3808201.91   0.11071   465403.41
3808201.91   0.11043
         465423.41   3808201.91   0.10878   465443.41
3808201.91   0.10717
         465463.41   3808201.91   0.10573   465483.41
3808201.91   0.10577
         465503.41   3808201.91   0.10473   465523.41
3808201.91   0.10318
         465543.41   3808201.91   0.10166   465563.41
3808201.91   0.10173
         465583.41   3808201.91   0.10120   465603.41
3808201.91   0.09970
         465623.41   3808201.91   0.09901   465643.41
3808201.91   0.09928
         465663.41   3808201.91   0.09779   465683.41
3808201.91   0.09792

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         465703.41    3808201.91        0.09749                      464943.41
3808221.91        0.12851
         464963.41    3808221.91        0.12594                      464983.41
3808221.91        0.12452
         465003.41    3808221.91        0.12307                      465023.41
3808221.91        0.12321
         465043.41    3808221.91        0.12375                      465063.41
3808221.91        0.12255
         465083.41    3808221.91        0.12239                      465103.41
3808221.91        0.12255
         465123.41    3808221.91        0.12090                      465143.41
3808221.91        0.12027
         465163.41    3808221.91        0.11994                      465183.41
3808221.91        0.11861
         465203.41    3808221.91        0.11811                      465223.41
3808221.91        0.11792
         465243.41    3808221.91        0.11656                      465263.41
3808221.91        0.11607
         465283.41    3808221.91        0.11575                      465303.41
3808221.91        0.11440
         465323.41    3808221.91        0.11412                      465343.41
3808221.91        0.11415
         465363.41    3808221.91        0.11383                      465383.41
3808221.91        0.11389
         465403.41    3808221.91        0.11452                      465423.41
3808221.91        0.11278
         465443.41    3808221.91        0.11108                      465463.41
3808221.91        0.10941
         465483.41    3808221.91        0.10776                      465503.41
3808221.91        0.10682
         465523.41    3808221.91        0.10584                      465543.41
3808221.91        0.10425
         465563.41    3808221.91        0.10434                      465583.41
3808221.91        0.10511
         465603.41    3808221.91        0.10352                      465623.41
3808221.91        0.10285
         465643.41    3808221.91        0.10172                      465663.41
3808221.91        0.10017
         465683.41    3808221.91        0.10000                      465703.41
3808221.91        0.10045
         464963.41    3808241.91        0.13144                      464983.41
3808241.91        0.12995
         465003.41    3808241.91        0.12843                      465023.41
3808241.91        0.12728
         465043.41    3808241.91        0.12619                      465063.41
3808241.91        0.12629
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
  L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
  L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
  L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465083.41	3808241.91	0.12673	465103.41	3808241.91	0.12672
465123.41	3808241.91	0.12500	465143.41	3808241.91	0.12348
465163.41	3808241.91	0.12225	465183.41	3808241.91	0.12245
465203.41	3808241.91	0.12143	465223.41	3808241.91	0.12016
465243.41	3808241.91	0.12019	465263.41	3808241.91	0.11917
465283.41	3808241.91	0.11790	465303.41	3808241.91	0.11816
465323.41	3808241.91	0.11718	465343.41	3808241.91	0.11696
465363.41	3808241.91	0.11806	465383.41	3808241.91	0.11754
465403.41	3808241.91	0.11621	465423.41	3808241.91	0.11442
465443.41	3808241.91	0.11267	465463.41	3808241.91	0.11094
465483.41	3808241.91	0.10924	465503.41	3808241.91	0.10992
465523.41	3808241.91	0.11008	465543.41	3808241.91	0.10839
465563.41	3808241.91	0.10690	465583.41		

3808241.91 0.10638
465603.41 3808241.91 0.10474 465623.41
3808241.91 0.10523
465643.41 3808241.91 0.10532 465663.41
3808241.91 0.10368
465683.41 3808241.91 0.10223 465703.41
3808241.91 0.10213
464983.41 3808261.91 0.13803 465003.41
3808261.91 0.13530
465023.41 3808261.91 0.13309 465043.41
3808261.91 0.13182
465063.41 3808261.91 0.13110 465083.41
3808261.91 0.13036
465103.41 3808261.91 0.12964 465123.41
3808261.91 0.12902
465143.41 3808261.91 0.12758 465163.41
3808261.91 0.12594
465183.41 3808261.91 0.12528 465203.41
3808261.91 0.12453
465223.41 3808261.91 0.12377 465243.41
3808261.91 0.12295
465263.41 3808261.91 0.12139 465283.41
3808261.91 0.11987
465303.41 3808261.91 0.12042 465323.41
3808261.91 0.12143
465343.41 3808261.91 0.12119 465363.41
3808261.91 0.12112
465383.41 3808261.91 0.12168 465403.41
3808261.91 0.12096
465423.41 3808261.91 0.11907 465443.41
3808261.91 0.11721
465463.41 3808261.91 0.11534 465483.41
3808261.91 0.11354
465503.41 3808261.91 0.11267 465523.41
3808261.91 0.11288
465543.41 3808261.91 0.11111 465563.41
3808261.91 0.11118
465583.41 3808261.91 0.11046 465603.41
3808261.91 0.10872
465623.41 3808261.91 0.10785 465643.41
3808261.91 0.10814
465663.41 3808261.91 0.10760 465683.41
3808261.91 0.10642
465703.41 3808261.91 0.10489 465003.41
3808281.91 0.14257
465023.41 3808281.91 0.13996 465043.41
3808281.91 0.13791
465063.41 3808281.91 0.13658 465083.41
3808281.91 0.13465
465103.41 3808281.91 0.13276 465123.41

3808281.91 0.13289
 465143.41 3808281.91 0.13162 465163.41
3808281.91 0.12979
 465183.41 3808281.91 0.12831 465203.41
3808281.91 0.12778

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465223.41	3808281.91	0.12735	465243.41	3808281.91	0.12538
465263.41	3808281.91	0.12373	465283.41	3808281.91	0.12270
465303.41	3808281.91	0.12310	465323.41	3808281.91	0.12501
465343.41	3808281.91	0.12566	465363.41	3808281.91	0.12497
465383.41	3808281.91	0.12510	465403.41	3808281.91	0.12625
465423.41	3808281.91	0.12540	465443.41	3808281.91	0.12383
465463.41	3808281.91	0.11998	465483.41	3808281.91	0.11807
465503.41	3808281.91	0.11618	465523.41	3808281.91	0.11463

```
         465543.41    3808281.91        0.11386                    465563.41
3808281.91        0.11370
         465583.41    3808281.91        0.11384                    465603.41
3808281.91        0.11202
         465623.41    3808281.91        0.11119                    465643.41
3808281.91        0.11020
         465663.41    3808281.91        0.11059                    465683.41
3808281.91        0.11144
         465703.41    3808281.91        0.10990                    465003.41
3808301.91        0.15000
         465023.41    3808301.91        0.14660                    465043.41
3808301.91        0.14337
         465063.41    3808301.91        0.14367                    465083.41
3808301.91        0.14103
         465103.41    3808301.91        0.13746                    465123.41
3808301.91        0.13586
         465143.41    3808301.91        0.13401                    465163.41
3808301.91        0.13240
         465183.41    3808301.91        0.13246                    465203.41
3808301.91        0.13134
         465223.41    3808301.91        0.12956                    465243.41
3808301.91        0.12753
         465263.41    3808301.91        0.12705                    465283.41
3808301.91        0.12716
         465303.41    3808301.91        0.12968                    465323.41
3808301.91        0.12912
         465343.41    3808301.91        0.12855                    465363.41
3808301.91        0.12948
         465383.41    3808301.91        0.12851                    465403.41
3808301.91        0.12890
         465423.41    3808301.91        0.12946                    465443.41
3808301.91        0.12822
         465463.41    3808301.91        0.12162                    465483.41
3808301.91        0.11964
         465503.41    3808301.91        0.11770                    465523.41
3808301.91        0.11682
         465543.41    3808301.91        0.11731                    465563.41
3808301.91        0.11640
         465583.41    3808301.91        0.11518                    465603.41
3808301.91        0.11331
         465623.41    3808301.91        0.11353                    465643.41
3808301.91        0.11374
         465663.41    3808301.91        0.11218                    465683.41
3808301.91        0.11380
         465703.41    3808301.91        0.11366                    465043.41
3808321.91        0.15042
         465063.41    3808321.91        0.14828                    465083.41
3808321.91        0.14544
         465103.41    3808321.91        0.14245                    465123.41
3808321.91        0.14044
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494
, L0006495 , L0006496 , L0006497 ,
L0006498 , L0006499 , L0006500 , L0006501 , L0006502
, L0006503 , L0006504 , L0006505 ,
L0006506 , L0006507 , L0006508 , L0006509 , L0006510
, L0006511 , L0006512 , L0006513 ,
L0006514 , L0006515 , L0006516 , L0006517 , L0006518
, L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465423.41	3808321.91	0.13233	465443.41	3808321.91	0.13097
465463.41	3808321.91	0.12647	465483.41	3808321.91	0.12437
465503.41	3808321.91	0.12231	465523.41	3808321.91	0.12047
465543.41	3808321.91	0.11972	465563.41		

3808321.91 0.11849
465583.41 3808321.91 0.11745 465603.41
3808321.91 0.11679
465623.41 3808321.91 0.11633 465643.41
3808321.91 0.11728
465663.41 3808321.91 0.11697 465683.41
3808321.91 0.11640
465703.41 3808321.91 0.11640 465083.41
3808341.91 0.15011
465103.41 3808341.91 0.14775 465123.41
3808341.91 0.14508
465143.41 3808341.91 0.14280 465163.41
3808341.91 0.14065
465183.41 3808341.91 0.13849 465203.41
3808341.91 0.13666
465223.41 3808341.91 0.13541 465243.41
3808341.91 0.13525
465263.41 3808341.91 0.13745 465283.41
3808341.91 0.13847
465303.41 3808341.91 0.13759 465323.41
3808341.91 0.13794
465343.41 3808341.91 0.14050 465363.41
3808341.91 0.13813
465383.41 3808341.91 0.13734 465403.41
3808341.91 0.13773
465423.41 3808341.91 0.13644 465443.41
3808341.91 0.13430
465463.41 3808341.91 0.13054 465483.41
3808341.91 0.12834
465503.41 3808341.91 0.12617 465523.41
3808341.91 0.12437
465543.41 3808341.91 0.12320 465563.41
3808341.91 0.12125
465583.41 3808341.91 0.11976 465603.41
3808341.91 0.12010
465623.41 3808341.91 0.12093 465643.41
3808341.91 0.11962
465663.41 3808341.91 0.11989 465683.41
3808341.91 0.11994
465703.41 3808341.91 0.11850 465103.41
3808361.91 0.15330
465123.41 3808361.91 0.14847 465143.41
3808361.91 0.14549
465163.41 3808361.91 0.14326 465183.41
3808361.91 0.14102
465203.41 3808361.91 0.14047 465223.41
3808361.91 0.14015
465243.41 3808361.91 0.13820 465263.41
3808361.91 0.13978
465283.41 3808361.91 0.14178 465303.41

3808361.91   0.14267
         465323.41   3808361.91   0.14554   465343.41
3808361.91   0.14568
         465363.41   3808361.91   0.14319   465383.41
3808361.91   0.14099
         465403.41   3808361.91   0.14060   465423.41
3808361.91   0.14081
         465443.41   3808361.91   0.13954   465463.41
3808361.91   0.13229
         465483.41   3808361.91   0.13002   465503.41
3808361.91   0.12779
         465523.41   3808361.91   0.12671   465543.41
3808361.91   0.12691
         465563.41   3808361.91   0.12582   465583.41
3808361.91   0.12370
         465603.41   3808361.91   0.12192   465623.41
3808361.91   0.12358
         465643.41   3808361.91   0.12338   465663.41
3808361.91   0.12185
         465683.41   3808361.91   0.12235   465703.41
3808361.91   0.12217
         465183.41   3808381.91   0.14772   465203.41
3808381.91   0.14819

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                 INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                 L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                 L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                 L0006514   , L0006515   , L0006516   , L0006517   , L0006518 , L0006519   , L0006520   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

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         465363.41    3808421.91        0.16402                       465383.41
3808421.91        0.16109
         465403.41    3808421.91        0.15819                       465423.41
3808421.91        0.15535
         465443.41    3808421.91        0.15256                       465463.41
3808421.91        0.14981
         465483.41    3808421.91        0.14712                       465503.41
3808421.91        0.14448
         465523.41    3808421.91        0.14190                       465543.41
3808421.91        0.13936
         465563.41    3808421.91        0.13738                       465583.41
3808421.91        0.13522
         465603.41    3808421.91        0.13283                       465623.41
3808421.91        0.13318
         465643.41    3808421.91        0.13291                       465663.41
3808421.91        0.13120
         465683.41    3808421.91        0.13389                       465703.41
3808421.91        0.13333
         465323.41    3808441.91        0.17795                       465343.41
3808441.91        0.17427
         465363.41    3808441.91        0.16938                       465383.41
3808441.91        0.16437
         465403.41    3808441.91        0.16137                       465423.41
3808441.91        0.15841
         465443.41    3808441.91        0.15552                       465463.41
3808441.91        0.15267
         465483.41    3808441.91        0.14989                       465503.41
3808441.91        0.14716
         465523.41    3808441.91        0.14449                       465543.41
3808441.91        0.14187
         465563.41    3808441.91        0.13931                       465583.41
3808441.91        0.13681
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                    INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                  L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                  L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                  L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465603.41	3808441.91	0.13436	465623.41	3808441.91	0.13490
465643.41	3808441.91	0.13839	465663.41	3808441.91	0.13784
465683.41	3808441.91	0.13676	465703.41	3808441.91	0.13548
465343.41	3808461.91	0.18520	465363.41	3808461.91	0.17437
465383.41	3808461.91	0.16950	465403.41	3808461.91	0.16592
465423.41	3808461.91	0.16283	465443.41	3808461.91	0.15980
465463.41	3808461.91	0.15680	465483.41	3808461.91	0.15389
465503.41	3808461.91	0.15072	465523.41	3808461.91	0.14630
465543.41	3808461.91	0.14362	465563.41	3808461.91	0.14100
465583.41	3808461.91	0.13843	465603.41	3808461.91	0.13592
465623.41	3808461.91	0.13644	465643.41	3808461.91	0.14046
465663.41	3808461.91	0.14094	465683.41	3808461.91	0.13944
465703.41	3808461.91	0.13765	465343.41	3808481.91	0.19209
465363.41	3808481.91	0.18820	465383.41	3808481.91	0.18204
465403.41	3808481.91	0.17199	465423.41	3808481.91	0.16875
465443.41	3808481.91	0.16558	465463.41	3808481.91	0.16248
465483.41	3808481.91	0.15944	465503.41	3808481.91	0.15440
465523.41	3808481.91	0.14815	465543.41	3808481.91	0.14540
465563.41	3808481.91	0.14271	465583.41	3808481.91	0.14009
465603.41	3808481.91	0.13752	465623.41		

3808481.91   0.13802
         465643.41   3808481.91   0.14205   465663.41
3808481.91   0.14253
         465683.41   3808481.91   0.14099   465703.41
3808481.91   0.14007
         465463.41   3808501.91   0.16967   465483.41
3808501.91   0.16875
         465503.41   3808501.91   0.16333   465523.41
3808501.91   0.15386
         465543.41   3808501.91   0.15098   465563.41
3808501.91   0.14677
         465583.41   3808501.91   0.14290   465603.41
3808501.91   0.14212
         465623.41   3808501.91   0.14120   465643.41
3808501.91   0.14369
         465663.41   3808501.91   0.14417   465683.41
3808501.91   0.14259
         465703.41   3808501.91   0.14188   465523.41
3808521.91   0.16314
         465543.41   3808521.91   0.16004   465563.41
3808521.91   0.15119
         465583.41   3808521.91   0.14581   465603.41
3808521.91   0.14593
         465623.41   3808521.91   0.14801   465643.41
3808521.91   0.14596
         465663.41   3808521.91   0.14599   465683.41
3808521.91   0.14587
         465703.41   3808521.91   0.14407   464239.31
3809562.31   22.26524
         464277.31   3809562.31   22.28985   463745.31
3809591.37   13.23548
         463783.31   3809591.37   13.16814   463821.31
3809591.37   12.95055
         463859.31   3809591.37   12.93404   463897.31
3809591.37   13.31510
         463935.31   3809591.37   13.71329   464239.31
3809591.37   13.95362
         464277.31   3809591.37   13.92320   463745.31
3809620.43   9.37971
         463783.31   3809620.43   9.40971   463821.31
3809620.43   9.44247

VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494
, L0006495 , L0006496 , L0006497 ,
L0006498 , L0006499 , L0006500 , L0006501 , L0006502
, L0006503 , L0006504 , L0006505 ,
L0006506 , L0006507 , L0006508 , L0006509 , L0006510
, L0006511 , L0006512 , L0006513 ,
L0006514 , L0006515 , L0006516 , L0006517 , L0006518
, L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463859.31	3809620.43	9.45132	463897.31	3809620.43	9.63268
463935.31	3809620.43	9.91186	463973.31	3809620.43	10.04872
464011.31	3809620.43	10.12414	464049.31	3809620.43	10.12939
464087.31	3809620.43	10.09982	464125.31	3809620.43	10.13262
464163.31	3809620.43	10.14019	464201.31	3809620.43	10.10588
464239.31	3809620.43	10.18348	464277.31	3809620.43	10.19007
463745.31	3809649.49	7.23657	463783.31	3809649.49	7.37072
463821.31	3809649.49	7.41648	463859.31	3809649.49	7.46860
463897.31	3809649.49	7.58673	463935.31	3809649.49	7.77012
463973.31	3809649.49	7.83260	464011.31	3809649.49	7.92700
464049.31	3809649.49	7.98467	464087.31	3809649.49	7.97517
464125.31	3809649.49	8.02375	464163.31	3809649.49	8.03258
464201.31	3809649.49	8.05094	464239.31	3809649.49	8.09226
464277.31	3809649.49	8.08233	464315.31	3809649.49	8.06434
464353.31	3809649.49	8.09455	464391.31	3809649.49	8.11785

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        464429.31    3809649.49        8.11450                    464467.31
3809649.49        8.13866
        464505.31    3809649.49        8.16996                    463745.31
3809678.55        5.84272
        463783.31    3809678.55        5.97566                    463821.31
3809678.55        6.10921
        463859.31    3809678.55        6.14973                    463897.31
3809678.55        6.25574
        463935.31    3809678.55        6.41061                    463973.31
3809678.55        6.47620
        464011.31    3809678.55        6.53109                    464049.31
3809678.55        6.61336
        464087.31    3809678.55        6.64827                    464125.31
3809678.55        6.67632
        464163.31    3809678.55        6.68209                    464201.31
3809678.55        6.72678
        464239.31    3809678.55        6.71333                    464277.31
3809678.55        6.71717
        464315.31    3809678.55        6.71849                    464353.31
3809678.55        6.74894
        464391.31    3809678.55        6.76038                    464429.31
3809678.55        6.75549
        464467.31    3809678.55        6.79939                    464505.31
3809678.55        6.78412
        463745.31    3809707.61        4.90741                    463783.31
3809707.61        5.01987
        463821.31    3809707.61        5.13755                    463859.31
3809707.61        5.23411
        463897.31    3809707.61        5.31909                    463935.31
3809707.61        5.44284
        463973.31    3809707.61        5.52786                    464011.31
3809707.61        5.57896
        464049.31    3809707.61        5.65491                    464087.31
3809707.61        5.69061
        464125.31    3809707.61        5.71733                    464163.31
3809707.61        5.74195
        464201.31    3809707.61        5.74893                    464239.31
3809707.61        5.76018
        464277.31    3809707.61        5.75916                    464315.31
3809707.61        5.78061
        464353.31    3809707.61        5.77348                    464391.31
3809707.61        5.79320
        464429.31    3809707.61        5.80316                    464467.31
3809707.61        5.81729
        464505.31    3809707.61        5.83928                    463745.31
3809736.67        4.25268
        463783.31    3809736.67        4.31989                    463821.31
3809736.67        4.39647
        463859.31    3809736.67        4.50075                    463897.31
3809736.67        4.60472
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                    INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                 L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                 L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                 L0006514   , L0006515   , L0006516   , L0006517   , L0006518 , L0006519   , L0006520   , . . .   ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3809765.73 4.11067
463973.31 3809765.73 4.19204 464011.31
3809765.73 4.32953
464049.31 3809765.73 4.40295 464087.31
3809765.73 4.43776
464125.31 3809765.73 4.46411 464163.31
3809765.73 4.48315
464201.31 3809765.73 4.49464 464239.31
3809765.73 4.50547
464277.31 3809765.73 4.50820 464315.31
3809765.73 4.50683
464353.31 3809765.73 4.52968 464391.31
3809765.73 4.52683
464429.31 3809765.73 4.54587 464467.31
3809765.73 4.56261
464505.31 3809765.73 4.56420 463745.31
3809794.79 3.35867
463783.31 3809794.79 3.38859 463821.31
3809794.79 3.43883
463859.31 3809794.79 3.49595 463897.31
3809794.79 3.58161
463935.31 3809794.79 3.63805 463973.31
3809794.79 3.70411
464011.31 3809794.79 3.83982 464049.31
3809794.79 3.95659
464087.31 3809794.79 3.99345 464125.31
3809794.79 4.01931
464163.31 3809794.79 4.03746 464201.31
3809794.79 4.05161
464239.31 3809794.79 4.05517 464277.31
3809794.79 4.06047
464315.31 3809794.79 4.06583 464353.31
3809794.79 4.07720
464391.31 3809794.79 4.09116 464429.31
3809794.79 4.10583
464467.31 3809794.79 4.11158 464505.31
3809794.79 4.12986
463745.31 3809823.85 3.03723 463783.31
3809823.85 3.05079
463821.31 3809823.85 3.07188 463859.31
3809823.85 3.12951
463897.31 3809823.85 3.19360 463935.31
3809823.85 3.24555
463973.31 3809823.85 3.31297 464011.31
3809823.85 3.41183
464049.31 3809823.85 3.55304 464087.31
3809823.85 3.62134
464125.31 3809823.85 3.65496 464163.31
3809823.85 3.67224
464201.31 3809823.85 3.68007 464239.31

3809823.85   3.68993
         464277.31   3809823.85   3.69697   464315.31
3809823.85   3.70698
         464353.31   3809823.85   3.71655   464391.31
3809823.85   3.72788
         464429.31   3809823.85   3.73485   464467.31
3809823.85   3.74272
         464505.31   3809823.85   3.75881   463745.31
3809852.91   2.78135

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                   INCLUDING SOURCE(S):   L0006493   , L0006494
, L0006495   , L0006496   , L0006497   ,
                  L0006498   , L0006499   , L0006500   , L0006501   , L0006502
, L0006503   , L0006504   , L0006505   ,
                  L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                  L0006514   , L0006515   , L0006516   , L0006517   , L0006518
, L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

464239.31 3809852.91 3.38227 464277.31 3809852.91 3.39257
464315.31 3809852.91 3.39810 464353.31 3809852.91 3.40685
464391.31 3809852.91 3.41655 464429.31 3809852.91 3.43426
464467.31 3809852.91 3.44219 464505.31 3809852.91 3.45142
463745.31 3809881.97 2.57218 463783.31 3809881.97 2.57361
463821.31 3809881.97 2.56997 463859.31 3809881.97 2.59388
463897.31 3809881.97 2.61741 463935.31 3809881.97 2.65037
463973.31 3809881.97 2.71654 464011.31 3809881.97 2.78615
464049.31 3809881.97 2.87873 464087.31 3809881.97 2.96243
464125.31 3809881.97 3.03272 464163.31 3809881.97 3.06244
464201.31 3809881.97 3.09073 464239.31 3809881.97 3.10718
464277.31 3809881.97 3.12156 464315.31 3809881.97 3.13837
464353.31 3809881.97 3.15060 464391.31 3809881.97 3.16345
464429.31 3809881.97 3.17275 464467.31 3809881.97 3.17919
464505.31 3809881.97 3.19259 463745.31 3809911.03 2.38356
463783.31 3809911.03 2.37776 463821.31 3809911.03 2.38465
463859.31 3809911.03 2.39693 463897.31 3809911.03 2.41411
463935.31 3809911.03 2.43526 463973.31 3809911.03 2.48643
464011.31 3809911.03 2.54755 464049.31 3809911.03 2.63028
464087.31 3809911.03 2.70306 464125.31 3809911.03 2.76408
464163.31 3809911.03 2.80625 464201.31 3809911.03 2.84753
464239.31 3809911.03 2.86660 464277.31 3809911.03 2.89399
464315.31 3809911.03 2.91069 464353.31 3809911.03 2.92362
464391.31 3809911.03 2.93613 464429.31 3809911.03 2.94464
464467.31 3809911.03 2.95644 464505.31 3809911.03 2.96158

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                  INCLUDING SOURCE(S):   L0006493   , L0006494
, L0006495   , L0006496   , L0006497   ,
                 L0006498   , L0006499   , L0006500   , L0006501   , L0006502
, L0006503   , L0006504   , L0006505   ,
                 L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                 L0006514   , L0006515   , L0006516   , L0006517   , L0006518
, L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464429.31   3809940.09   2.74891   464467.31
3809940.09   2.75500
         464505.31   3809940.09   2.76114   463745.31

3809969.15 2.09535
463783.31 3809969.15 2.07137 463821.31 3809969.15 2.07416
463859.31 3809969.15 2.08206 463897.31 3809969.15 2.09631
463935.31 3809969.15 2.11482 463973.31 3809969.15 2.14620
464011.31 3809969.15 2.17060 464049.31 3809969.15 2.21206
464087.31 3809969.15 2.27112 464125.31 3809969.15 2.33760
464163.31 3809969.15 2.39826 464201.31 3809969.15 2.45698
464239.31 3809969.15 2.49635 464277.31 3809969.15 2.51440
464315.31 3809969.15 2.53427 464353.31 3809969.15 2.55435
464391.31 3809969.15 2.56575 464429.31 3809969.15 2.57306
464467.31 3809969.15 2.57630 464505.31 3809969.15 2.58858
463745.31 3809998.21 2.02005 463783.31 3809998.21 1.97228
463821.31 3809998.21 1.95872 463859.31 3809998.21 1.95923
463897.31 3809998.21 1.97032 463935.31 3809998.21 1.98251
463973.31 3809998.21 2.00847 464011.31 3809998.21 2.03268
464049.31 3809998.21 2.06521 464087.31 3809998.21 2.11188
464125.31 3809998.21 2.17688 464163.31 3809998.21 2.23549
464201.31 3809998.21 2.28974 464239.31 3809998.21 2.33188
464277.31 3809998.21 2.36099 464315.31 3809998.21 2.37764
464353.31 3809998.21 2.39682 464391.31 3809998.21 2.40775
464429.31 3809998.21 2.41415 464467.31 3809998.21 2.42345
464505.31 3809998.21 2.43065 463745.31 3810027.27 1.94959
463783.31 3810027.27 1.89776 463821.31 3810027.27 1.86885
463859.31 3810027.27 1.85922 463897.31 3810027.27 1.86545
463935.31 3810027.27 1.86837 463973.31 3810027.27 1.89112
464011.31 3810027.27 1.91316 464049.31

```
3810027.27        1.94205
         464087.31    3810027.27        1.97513                        464125.31
3810027.27        2.02671
         464163.31    3810027.27        2.08936                        464201.31
3810027.27        2.14315
         464239.31    3810027.27        2.17999                        464277.31
3810027.27        2.21440
         464315.31    3810027.27        2.23805                        464353.31
3810027.27        2.25401
         464391.31    3810027.27        2.26444                        464429.31
3810027.27        2.27513
         464467.31    3810027.27        2.28255                        464505.31
3810027.27        2.28743
         463745.31    3810056.33        1.88115                        463783.31
3810056.33        1.83181
         463821.31    3810056.33        1.78907                        463859.31
3810056.33        1.77420
         463897.31    3810056.33        1.77152                        463935.31
3810056.33        1.77234
         463973.31    3810056.33        1.78928                        464011.31
3810056.33        1.80655
         464049.31    3810056.33        1.82693                        464087.31
3810056.33        1.85653
         464125.31    3810056.33        1.89386                        464163.31
3810056.33        1.95119
         464201.31    3810056.33        2.00359                        464239.31
3810056.33        2.04703
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 163
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                   INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                 L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                 L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                 L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464277.31	3810056.33	2.07762	464315.31	3810056.33	2.10560
464353.31	3810056.33	2.12868	464391.31	3810056.33	2.14182
464429.31	3810056.33	2.14942	464467.31	3810056.33	2.15309
464505.31	3810056.33	2.15980	463745.31	3810085.39	1.82955
463783.31	3810085.39	1.76982	463821.31	3810085.39	1.72277
463859.31	3810085.39	1.69860	463897.31	3810085.39	1.68983
463935.31	3810085.39	1.68968	463973.31	3810085.39	1.69953
464011.31	3810085.39	1.70922	464049.31	3810085.39	1.71970
464087.31	3810085.39	1.74775	464125.31	3810085.39	1.78095
464163.31	3810085.39	1.82589	464201.31	3810085.39	1.87363
464239.31	3810085.39	1.91991	464277.31	3810085.39	1.95460
464315.31	3810085.39	1.98312	464353.31	3810085.39	2.00616
464391.31	3810085.39	2.02262	464429.31	3810085.39	2.02988
464467.31	3810085.39	2.03496	464505.31	3810085.39	2.03899
463745.31	3810114.45	1.75840	463783.31	3810114.45	1.71441
463821.31	3810114.45	1.66870	463859.31	3810114.45	1.64463
463897.31	3810114.45	1.62366	463935.31	3810114.45	1.61723
463973.31	3810114.45	1.61796	464011.31	3810114.45	1.62405
464049.31	3810114.45	1.62979	464087.31	3810114.45	1.65078
464125.31	3810114.45	1.67526	464163.31	3810114.45	1.70970
464201.31	3810114.45	1.75162	464239.31	3810114.45	1.80373
464277.31	3810114.45	1.84199	464315.31	3810114.45	1.86484

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         464353.31    3810114.45        1.88356                        464391.31
3810114.45        1.89814
         464429.31    3810114.45        1.91369                        464467.31
3810114.45        1.91778
         464505.31    3810114.45        1.92803                        463745.31
3810143.51        1.67733
         463783.31    3810143.51        1.64709                        463821.31
3810143.51        1.62873
         463859.31    3810143.51        1.60131                        463897.31
3810143.51        1.56321
         463935.31    3810143.51        1.54639                        463973.31
3810143.51        1.53777
         464011.31    3810143.51        1.54736                        464049.31
3810143.51        1.55040
         464087.31    3810143.51        1.55993                        464125.31
3810143.51        1.58113
         464163.31    3810143.51        1.61115                        464201.31
3810143.51        1.64626
         464239.31    3810143.51        1.68894                        464277.31
3810143.51        1.73610
         464315.31    3810143.51        1.75923                        464353.31
3810143.51        1.76981
         464391.31    3810143.51        1.78796                        464429.31
3810143.51        1.80157
         464467.31    3810143.51        1.81550                        464505.31
3810143.51        1.82678
         464383.78    3807479.29        0.06288                        464355.03
3807405.24        0.05909
         464402.07    3807352.10        0.05686                        464367.23
3807296.35        0.05419
         464358.52    3807237.99        0.05077                        464385.52
3807161.33        0.04877
         463132.27    3810926.37        0.51385                        463237.82
3811199.31        0.45532
         464944.35    3809244.89        1.29650                        465700.32
3809255.46        0.40059
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 164
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                   INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                 L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
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                 L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                 L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465716.18    3808536.49        0.14672                       465544.37
3808533.85        0.16321
         465420.13    3808486.27        0.17234                       465348.77
3808491.56        0.19619
         465317.05    3808443.98        0.17955                       465327.62
3808406.97        0.16344
         465108.23    3808369.97        0.15453                       464999.86
3808301.24        0.15014
         464722.31    3807973.48        0.10755                       464717.03
3807836.03        0.08648
         464344.33    3807936.47        0.09282                       464349.61
3807780.52        0.09760
         464386.62    3807785.81        0.09929                       464521.43
3807859.82        0.10892
         464537.28    3807719.72        0.08021                       464426.27
3807613.99        0.07274
         464368.43    3807532.62        0.06708                       464324.60
3807121.91        0.04667
         464123.31    3807123.54        0.04639                       463930.13
3806909.26        0.03657
         463831.11    3806906.01        0.03688                       463821.36
3806720.95        0.03115
         463727.21    3806727.44        0.03082                       463598.97
3806334.59        0.02316
         463001.06    3806361.54        0.01746

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 165
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
```

VALUES FOR SOURCE GROUP: TRUCK1O ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         462160.55   3809377.75   0.20985   462051.48
3809270.62   0.18495
         462014.47   3809029.10   0.13803   462010.58
3808855.75   0.09473
         461936.56   3808886.92   0.08942   461936.56
3808997.94   0.11047
         461909.30   3808768.10   0.06406   461835.28
3808894.71   0.07290
         461845.02   3808995.99   0.09693   461833.33
3809114.80   0.11759
         461843.07   3809210.24   0.13127   461809.96
3809297.89   0.14011
         461856.71   3809385.54   0.15789   461841.13
3809482.92   0.15824
         462004.74   3809379.69   0.18043   461763.22
3808793.43   0.05418
         461753.48   3808699.93   0.05132   461835.28
3808686.30   0.05196
         461823.60   3808579.17   0.04401   461761.27
3808585.02   0.04150
         462301.19   3807807.15   0.05426   462304.78
3807868.16   0.05479
         462216.84   3807882.52   0.04900   462116.34
3807886.11   0.04379
         462114.55   3807789.20   0.04072   462012.25
3807887.90   0.03941
         462008.66   3807975.84   0.04378   461917.14
3807972.25   0.03988
         461922.52   3808187.60   0.04801   461908.17
3808288.10   0.04712

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         461848.94    3808377.83        0.04420                    461831.00
3808494.48        0.04344
         462421.43    3808393.98        0.09650                    462459.11
3808501.66        0.10815
         462437.58    3808580.62        0.11395                    462654.73
3809189.00        0.36773
         462559.49    3809194.32        0.32309                    465763.86
3807935.19        0.20150
         465819.84    3807935.19        0.19236                    465875.82
3807935.19        0.18383
         465931.80    3807935.19        0.17593                    465987.78
3807935.19        0.16854
         466043.76    3807935.19        0.16163                    466099.74
3807935.19        0.15516
         466155.72    3807935.19        0.14909                    466211.70
3807935.19        0.14339
         466267.68    3807935.19        0.13804                    466323.66
3807935.19        0.13291
         466379.64    3807935.19        0.12817                    466435.62
3807935.19        0.12370
         466491.60    3807935.19        0.11947                    466547.58
3807935.19        0.11526
         466603.56    3807935.19        0.11144                    466659.54
3807935.19        0.10782
         466715.52    3807935.19        0.10438                    466771.50
3807935.19        0.10110
         466827.48    3807935.19        0.09790                    466883.46
3807935.19        0.09492
         465763.86    3808001.41        0.21099                    465819.84
3808001.41        0.20125
         465875.82    3808001.41        0.19216                    465931.80
3808001.41        0.18371
         465987.78    3808001.41        0.17597                    466043.76
3808001.41        0.16847
         466099.74    3808001.41        0.16182                    466155.72
3808001.41        0.15538
         466211.70    3808001.41        0.14936                    466267.68
3808001.41        0.14368
         466323.66    3808001.41        0.13830                    466379.64
3808001.41        0.13323
         466435.62    3808001.41        0.12846                    466491.60
3808001.41        0.12394
         466547.58    3808001.41        0.11961                    466603.56
3808001.41        0.11559
         466659.54    3808001.41        0.11179                    466715.52
3808001.41        0.10797
         466771.50    3808001.41        0.10455                    466827.48
3808001.41        0.10127
         466883.46    3808001.41        0.09808                    465763.86
3808067.63        0.22161
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
                                    INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3808133.85 0.22166
465875.82 3808133.85 0.21117 465931.80
3808133.85 0.20143
465987.78 3808133.85 0.19266 466043.76
3808133.85 0.18419
466099.74 3808133.85 0.17630 466155.72
3808133.85 0.16892
466211.70 3808133.85 0.16201 466267.68
3808133.85 0.15555
466323.66 3808133.85 0.14950 466379.64
3808133.85 0.14384
466435.62 3808133.85 0.13849 466491.60
3808133.85 0.13346
466547.58 3808133.85 0.12864 466603.56
3808133.85 0.12414
466659.54 3808133.85 0.11988 466715.52
3808133.85 0.11583
466771.50 3808133.85 0.11184 466827.48
3808133.85 0.10823
466883.46 3808133.85 0.10476 465763.86
3808200.07 0.24501
465819.84 3808200.07 0.23271 465875.82
3808200.07 0.22135
465931.80 3808200.07 0.21113 465987.78
3808200.07 0.20136
466043.76 3808200.07 0.19229 466099.74
3808200.07 0.18384
466155.72 3808200.07 0.17596 466211.70
3808200.07 0.16860
466267.68 3808200.07 0.16171 466323.66
3808200.07 0.15546
466379.64 3808200.07 0.14939 466435.62
3808200.07 0.14369
466491.60 3808200.07 0.13832 466547.58
3808200.07 0.13325
466603.56 3808200.07 0.12848 466659.54
3808200.07 0.12396
466715.52 3808200.07 0.11970 466771.50
3808200.07 0.11562
466827.48 3808200.07 0.11170 466883.46
3808200.07 0.10807
465763.86 3808266.29 0.25669 465819.84
3808266.29 0.24383
465875.82 3808266.29 0.23181 465931.80
3808266.29 0.22051
465987.78 3808266.29 0.21006 466043.76
3808266.29 0.20036
466099.74 3808266.29 0.19135 466155.72
3808266.29 0.18296
466211.70 3808266.29 0.17515 466267.68

3808266.29 0.16797
 466323.66 3808266.29 0.16112 466379.64
3808266.29 0.15487
 466435.62 3808266.29 0.14886 466491.60
3808266.29 0.14310
 466547.58 3808266.29 0.13773 466603.56
3808266.29 0.13268
 466659.54 3808266.29 0.12801 466715.52
3808266.29 0.12344

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
 L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
 L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
 L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466771.50	3808266.29	0.11922	466827.48	3808266.29	0.11514
466883.46	3808266.29	0.11132	465763.86	3808332.51	0.26823
465819.84	3808332.51	0.25468	465875.82	3808332.51	0.24161
465931.80	3808332.51	0.22956	465987.78	3808332.51	0.21844
466043.76	3808332.51	0.20813	466099.74	3808332.51	0.19858
466155.72	3808332.51	0.18978	466211.70	3808332.51	0.18150

466267.68 3808332.51 0.17376 466323.66
3808332.51 0.16684
466379.64 3808332.51 0.16004 466435.62
3808332.51 0.15366
466491.60 3808332.51 0.14767 466547.58
3808332.51 0.14203
466603.56 3808332.51 0.13699 466659.54
3808332.51 0.13202
466715.52 3808332.51 0.12728 466771.50
3808332.51 0.12262
466827.48 3808332.51 0.11843 466883.46
3808332.51 0.11445
465763.86 3808398.73 0.27893 465819.84
3808398.73 0.26448
465875.82 3808398.73 0.25064 465931.80
3808398.73 0.23795
465987.78 3808398.73 0.22620 466043.76
3808398.73 0.21533
466099.74 3808398.73 0.20547 466155.72
3808398.73 0.19605
466211.70 3808398.73 0.18730 466267.68
3808398.73 0.17958
466323.66 3808398.73 0.17195 466379.64
3808398.73 0.16484
466435.62 3808398.73 0.15832 466491.60
3808398.73 0.15210
466547.58 3808398.73 0.14624 466603.56
3808398.73 0.14076
466659.54 3808398.73 0.13558 466715.52
3808398.73 0.13062
466771.50 3808398.73 0.12599 466827.48
3808398.73 0.12157
466883.46 3808398.73 0.11741 465763.86
3808464.95 0.28836
465819.84 3808464.95 0.27305 465875.82
3808464.95 0.25849
465931.80 3808464.95 0.24524 465987.78
3808464.95 0.23308
466043.76 3808464.95 0.22201 466099.74
3808464.95 0.21145
466155.72 3808464.95 0.20165 466211.70
3808464.95 0.19255
466267.68 3808464.95 0.18442 466323.66
3808464.95 0.17650
466379.64 3808464.95 0.16929 466435.62
3808464.95 0.16238
466491.60 3808464.95 0.15608 466547.58
3808464.95 0.14997
466603.56 3808464.95 0.14422 466659.54
3808464.95 0.13882

```
         466715.52    3808464.95        0.13375                       466771.50
3808464.95        0.12896
         466827.48    3808464.95        0.12443                       466883.46
3808464.95        0.12016
         465763.86    3808531.17        0.29647                       465819.84
3808531.17        0.28007
         465875.82    3808531.17        0.26504                       465931.80
3808531.17        0.25123
         465987.78    3808531.17        0.23886                       466043.76
3808531.17        0.22726
         466099.74    3808531.17        0.21654                       466155.72
3808531.17        0.20643
         466211.70    3808531.17        0.19707                       466267.68
3808531.17        0.18858
         466323.66    3808531.17        0.18061                       466379.64
3808531.17        0.17304
         466435.62    3808531.17        0.16612                       466491.60
3808531.17        0.15942
♠ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 168
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                 L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                 L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                 L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         466547.58    3808531.17        0.15314                       466603.56
3808531.17        0.14724
         466659.54    3808531.17        0.14169                       466715.52
```

3808531.17 0.13648
466771.50 3808531.17 0.13153 466827.48
3808531.17 0.12693
466883.46 3808531.17 0.12255 465763.86
3808597.39 0.30213
465819.84 3808597.39 0.28599 465875.82
3808597.39 0.27056
465931.80 3808597.39 0.25598 465987.78
3808597.39 0.24332
466043.76 3808597.39 0.23172 466099.74
3808597.39 0.22061
466155.72 3808597.39 0.21039 466211.70
3808597.39 0.20091
466267.68 3808597.39 0.19197 466323.66
3808597.39 0.18394
466379.64 3808597.39 0.17636 466435.62
3808597.39 0.16907
466491.60 3808597.39 0.16236 466547.58
3808597.39 0.15600
466603.56 3808597.39 0.14995 466659.54
3808597.39 0.14426
466715.52 3808597.39 0.13892 466771.50
3808597.39 0.13388
466827.48 3808597.39 0.12912 466883.46
3808597.39 0.12472
465763.86 3808663.61 0.30581 465819.84
3808663.61 0.28972
465875.82 3808663.61 0.27426 465931.80
3808663.61 0.26005
465987.78 3808663.61 0.24698 466043.76
3808663.61 0.23486
466099.74 3808663.61 0.22383 466155.72
3808663.61 0.21337
466211.70 3808663.61 0.20362 466267.68
3808663.61 0.19457
466323.66 3808663.61 0.18655 466379.64
3808663.61 0.17864
466435.62 3808663.61 0.17163 466491.60
3808663.61 0.16468
466547.58 3808663.61 0.15813 466603.56
3808663.61 0.15198
466659.54 3808663.61 0.14620 466715.52
3808663.61 0.14079
466771.50 3808663.61 0.13568 466827.48
3808663.61 0.13104
466883.46 3808663.61 0.12645 465763.86
3808729.83 0.30854
465819.84 3808729.83 0.29265 465875.82
3808729.83 0.27716
465931.80 3808729.83 0.26271 465987.78

```
3808729.83        0.24941
         466043.76    3808729.83        0.23717                          466099.74
3808729.83        0.22584
         466155.72    3808729.83        0.21533                          466211.70
3808729.83        0.20552
         466267.68    3808729.83        0.19643                          466323.66
3808729.83        0.18836
         466379.64    3808729.83        0.18057                          466435.62
3808729.83        0.17314
         466491.60    3808729.83        0.16636                          466547.58
3808729.83        0.15977
         466603.56    3808729.83        0.15357                          466659.54
3808729.83        0.14807
         466715.52    3808729.83        0.14256                          466771.50
3808729.83        0.13739
         466827.48    3808729.83        0.13259                          466883.46
3808729.83        0.12797
         465763.86    3808796.05        0.30855                          465819.84
3808796.05        0.29372
         465875.82    3808796.05        0.27781                          465931.80
3808796.05        0.26372
         465987.78    3808796.05        0.25057                          466043.76
3808796.05        0.23846
         466099.74    3808796.05        0.22723                          466155.72
3808796.05        0.21678
         466211.70    3808796.05        0.20705                          466267.68
3808796.05        0.19796
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 169
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                 L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                 L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                 L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466323.66	3808796.05	0.18959	466379.64	3808796.05	0.18172
466435.62	3808796.05	0.17453	466491.60	3808796.05	0.16751
466547.58	3808796.05	0.16095	466603.56	3808796.05	0.15497
466659.54	3808796.05	0.14914	466715.52	3808796.05	0.14372
466771.50	3808796.05	0.13856	466827.48	3808796.05	0.13365
466883.46	3808796.05	0.12915	465763.86	3808862.27	0.30595
465819.84	3808862.27	0.29112	465875.82	3808862.27	0.27706
465931.80	3808862.27	0.26321	465987.78	3808862.27	0.25035
466043.76	3808862.27	0.23840	466099.74	3808862.27	0.22754
466155.72	3808862.27	0.21695	466211.70	3808862.27	0.20732
466267.68	3808862.27	0.19860	466323.66	3808862.27	0.19018
466379.64	3808862.27	0.18243	466435.62	3808862.27	0.17511
466491.60	3808862.27	0.16824	466547.58	3808862.27	0.16180
466603.56	3808862.27	0.15561	466659.54	3808862.27	0.15000
466715.52	3808862.27	0.14449	466771.50	3808862.27	0.13934
466827.48	3808862.27	0.13453	466883.46	3808862.27	0.12995
465763.86	3808928.49	0.30083	465819.84	3808928.49	0.28657
465875.82	3808928.49	0.27363	465931.80	3808928.49	0.26108
465987.78	3808928.49	0.24917	466043.76	3808928.49	0.23810
466099.74	3808928.49	0.22691	466155.72	3808928.49	0.21678
466211.70	3808928.49	0.20734	466267.68	3808928.49	0.19845
466323.66	3808928.49	0.19011	466379.64	3808928.49	0.18229

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         466435.62    3808928.49        0.17518                        466491.60
3808928.49        0.16843
         466547.58    3808928.49        0.16199                        466603.56
3808928.49        0.15613
         466659.54    3808928.49        0.15034                        466715.52
3808928.49        0.14498
         466771.50    3808928.49        0.13981                        466827.48
3808928.49        0.13507
         466883.46    3808928.49        0.13045                        465763.86
3808994.71        0.29754
         465819.84    3808994.71        0.28278                        465875.82
3808994.71        0.26985
         465931.80    3808994.71        0.25833                        465987.78
3808994.71        0.24764
         466043.76    3808994.71        0.23651                        466099.74
3808994.71        0.22582
         466155.72    3808994.71        0.21569                        466211.70
3808994.71        0.20647
         466267.68    3808994.71        0.19779                        466323.66
3808994.71        0.18965
         466379.64    3808994.71        0.18200                        466435.62
3808994.71        0.17481
         466491.60    3808994.71        0.16821                        466547.58
3808994.71        0.16210
         466603.56    3808994.71        0.15611                        466659.54
3808994.71        0.15037
         466715.52    3808994.71        0.14529                        466771.50
3808994.71        0.14012
         466827.48    3808994.71        0.13523                        466883.46
3808994.71        0.13077
         465763.86    3809060.93        0.29386                        465819.84
3809060.93        0.27970
         465875.82    3809060.93        0.26710                        465931.80
3809060.93        0.25544
         465987.78    3809060.93        0.24449                        466043.76
3809060.93        0.23415
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 170
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                 L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
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L0006024 , L0006025 , L0006026 , L0006027 , L0006028
, L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466099.74	3809060.93	0.22354	466155.72	3809060.93	0.21404
466211.70	3809060.93	0.20495	466267.68	3809060.93	0.19654
466323.66	3809060.93	0.18860	466379.64	3809060.93	0.18112
466435.62	3809060.93	0.17433	466491.60	3809060.93	0.16785
466547.58	3809060.93	0.16155	466603.56	3809060.93	0.15571
466659.54	3809060.93	0.15038	466715.52	3809060.93	0.14500
466771.50	3809060.93	0.13995	466827.48	3809060.93	0.13523
466883.46	3809060.93	0.13080	465763.86	3809127.15	0.29003
465819.84	3809127.15	0.27673	465875.82	3809127.15	0.26449
465931.80	3809127.15	0.25276	465987.78	3809127.15	0.24178
466043.76	3809127.15	0.23071	466099.74	3809127.15	0.22039
466155.72	3809127.15	0.21106	466211.70	3809127.15	0.20315
466267.68	3809127.15	0.19525	466323.66	3809127.15	0.18761
466379.64	3809127.15	0.18022	466435.62	3809127.15	0.17341
466491.60	3809127.15	0.16697	466547.58	3809127.15	0.16092
466603.56	3809127.15	0.15527	466659.54	3809127.15	0.14971
466715.52	3809127.15	0.14456	466771.50	3809127.15	0.13963
466827.48	3809127.15	0.13491	466883.46		

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3809127.15        0.13057
         465763.86    3809193.37        0.28426                        465819.84
3809193.37        0.27236
         465875.82    3809193.37        0.26059                        465931.80
3809193.37        0.24926
         465987.78    3809193.37        0.23787                        466043.76
3809193.37        0.22616
         466099.74    3809193.37        0.21713                        466155.72
3809193.37        0.20828
         466211.70    3809193.37        0.20047                        466267.68
3809193.37        0.19306
         466323.66    3809193.37        0.18585                        466379.64
3809193.37        0.17896
         466435.62    3809193.37        0.17221                        466491.60
3809193.37        0.16593
         466547.58    3809193.37        0.15998                        466603.56
3809193.37        0.15448
         466659.54    3809193.37        0.14902                        466715.52
3809193.37        0.14402
         466771.50    3809193.37        0.13911                        466827.48
3809193.37        0.13456
         466883.46    3809193.37        0.13017                        465763.86
3809259.59        0.27688
         465819.84    3809259.59        0.26569                        465875.82
3809259.59        0.25456
         465931.80    3809259.59        0.24400                        465987.78
3809259.59        0.23312
         466043.76    3809259.59        0.22285                        466099.74
3809259.59        0.21345
         466155.72    3809259.59        0.20558                        466211.70
3809259.59        0.19809
         466267.68    3809259.59        0.19098                        466323.66
3809259.59        0.18369
         466379.64    3809259.59        0.17699                        466435.62
3809259.59        0.17067
         466491.60    3809259.59        0.16448                        466547.58
3809259.59        0.15886
         466603.56    3809259.59        0.15332                        466659.54
3809259.59        0.14806
         466715.52    3809259.59        0.14327                        466771.50
3809259.59        0.13845
         466827.48    3809259.59        0.13396                        466883.46
3809259.59        0.12965
         464503.41    3807141.91        0.18242                        464523.41
3807141.91        0.18237
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 , L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 , L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 , L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464543.41	3807141.91	0.18041	464563.41	3807141.91	0.17798
464583.41	3807141.91	0.17793	464603.41	3807141.91	0.17628
464623.41	3807141.91	0.17406	464643.41	3807141.91	0.17324
464663.41	3807141.91	0.17115	464683.41	3807141.91	0.16861
464703.41	3807141.91	0.16761	464723.41	3807141.91	0.16479
464743.41	3807141.91	0.16106	464763.41	3807141.91	0.15781
464783.41	3807141.91	0.15409	464803.41	3807141.91	0.15055
464823.41	3807141.91	0.14950	464843.41	3807141.91	0.14657
464863.41	3807141.91	0.14274	464883.41	3807141.91	0.13965
464903.41	3807141.91	0.13847	464923.41	3807141.91	0.14736
464503.41	3807161.91	0.18601	464523.41	3807161.91	0.18589
464543.41	3807161.91	0.18382	464563.41	3807161.91	0.18125
464583.41	3807161.91	0.18111	464603.41	3807161.91	0.18070

464623.41 3807161.91 0.17972 464643.41
3807161.91 0.17671
464663.41 3807161.91 0.17522 464683.41
3807161.91 0.17404
464703.41 3807161.91 0.17069 464723.41
3807161.91 0.16691
464743.41 3807161.91 0.16341 464763.41
3807161.91 0.16257
464783.41 3807161.91 0.15949 464803.41
3807161.91 0.15545
464823.41 3807161.91 0.15185 464843.41
3807161.91 0.14791
464863.41 3807161.91 0.14449 464883.41
3807161.91 0.14433
464903.41 3807161.91 0.14657 464923.41
3807161.91 0.14917
464503.41 3807181.91 0.19181 464523.41
3807181.91 0.19005
464543.41 3807181.91 0.18839 464563.41
3807181.91 0.18671
464583.41 3807181.91 0.18490 464603.41
3807181.91 0.18411
464623.41 3807181.91 0.18331 464643.41
3807181.91 0.17965
464663.41 3807181.91 0.17817 464683.41
3807181.91 0.17721
464703.41 3807181.91 0.17317 464723.41
3807181.91 0.17037
464743.41 3807181.91 0.16811 464763.41
3807181.91 0.16577
464783.41 3807181.91 0.16209 464803.41
3807181.91 0.15816
464823.41 3807181.91 0.15617 464843.41
3807181.91 0.15277
464863.41 3807181.91 0.14898 464883.41
3807181.91 0.14809
464903.41 3807181.91 0.15630 464923.41
3807181.91 0.15539
464503.41 3807201.91 0.19763 464523.41
3807201.91 0.19421
464543.41 3807201.91 0.19296 464563.41
3807201.91 0.19228
464583.41 3807201.91 0.18940 464603.41
3807201.91 0.18782
464623.41 3807201.91 0.18644 464643.41
3807201.91 0.18324
464663.41 3807201.91 0.18143 464683.41
3807201.91 0.17985
464703.41 3807201.91 0.17634 464723.41
3807201.91 0.17443

```
                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         464823.41    3807201.91        0.16064                       464843.41
3807201.91        0.16872
         464863.41    3807201.91        0.16600                       464883.41
3807201.91        0.16172
         464903.41    3807201.91        0.16082                       464923.41
3807201.91        0.16756
         464503.41    3807221.91        0.20158                       464523.41
3807221.91        0.19800
         464543.41    3807221.91        0.19662                       464563.41
3807221.91        0.19624
         464583.41    3807221.91        0.19551                       464603.41
3807221.91        0.19299
         464623.41    3807221.91        0.18993                       464643.41
3807221.91        0.18904
         464663.41    3807221.91        0.18623                       464683.41
3807221.91        0.18286
         464703.41    3807221.91        0.18196                       464723.41
```

3807221.91 0.17902
464743.41 3807221.91 0.17487 464763.41
3807221.91 0.17023
464783.41 3807221.91 0.16828 464803.41
3807221.91 0.16728
464823.41 3807221.91 0.16925 464843.41
3807221.91 0.17342
464863.41 3807221.91 0.17405 464883.41
3807221.91 0.16968
464903.41 3807221.91 0.16992 464923.41
3807221.91 0.17086
464503.41 3807241.91 0.20594 464523.41
3807241.91 0.20395
464543.41 3807241.91 0.20185 464563.41
3807241.91 0.19991
464583.41 3807241.91 0.19956 464603.41
3807241.91 0.19668
464623.41 3807241.91 0.19307 464643.41
3807241.91 0.19259
464663.41 3807241.91 0.19090 464683.41
3807241.91 0.18845
464703.41 3807241.91 0.18587 464723.41
3807241.91 0.18178
464743.41 3807241.91 0.17738 464763.41
3807241.91 0.17506
464783.41 3807241.91 0.17274 464803.41
3807241.91 0.18160
464823.41 3807241.91 0.18120 464843.41
3807241.91 0.17974
464863.41 3807241.91 0.18429 464883.41
3807241.91 0.17973
464903.41 3807241.91 0.17785 464923.41
3807241.91 0.17785
464503.41 3807261.91 0.21035 464523.41
3807261.91 0.20995
464543.41 3807261.91 0.20710 464563.41
3807261.91 0.20359
464583.41 3807261.91 0.20311 464603.41
3807261.91 0.20055
464623.41 3807261.91 0.19724 464643.41
3807261.91 0.19582
464663.41 3807261.91 0.19511 464683.41
3807261.91 0.19401
464703.41 3807261.91 0.18907 464723.41
3807261.91 0.18473
464743.41 3807261.91 0.18118 464763.41
3807261.91 0.18025
464783.41 3807261.91 0.18890 464803.41
3807261.91 0.18628
464823.41 3807261.91 0.18716 464843.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464663.41   3807281.91   0.19799   464683.41
3807281.91   0.19678
         464703.41   3807281.91   0.19160   464723.41
3807281.91   0.18933
         464743.41   3807281.91   0.18805   464763.41
3807281.91   0.19000
         464783.41   3807281.91   0.19433   464803.41
3807281.91   0.19487

```
         464823.41    3807281.91        0.19716                    464843.41
3807281.91        0.19827
         464863.41    3807281.91        0.19880                    464883.41
3807281.91        0.19404
         464903.41    3807281.91        0.20594                    464923.41
3807281.91        0.20560
         464503.41    3807301.91        0.22164                    464523.41
3807301.91        0.21902
         464543.41    3807301.91        0.21648                    464563.41
3807301.91        0.21388
         464583.41    3807301.91        0.21108                    464603.41
3807301.91        0.20965
         464623.41    3807301.91        0.20823                    464643.41
3807301.91        0.20306
         464663.41    3807301.91        0.20089                    464683.41
3807301.91        0.19955
         464703.41    3807301.91        0.19414                    464723.41
3807301.91        0.19224
         464743.41    3807301.91        0.20415                    464763.41
3807301.91        0.20344
         464783.41    3807301.91        0.20155                    464803.41
3807301.91        0.20625
         464823.41    3807301.91        0.20092                    464843.41
3807301.91        0.20111
         464863.41    3807301.91        0.21585                    464883.41
3807301.91        0.21403
         464903.41    3807301.91        0.21231                    464923.41
3807301.91        0.21901
         464503.41    3807321.91        0.22873                    464523.41
3807321.91        0.22396
         464543.41    3807321.91        0.22192                    464563.41
3807321.91        0.22048
         464583.41    3807321.91        0.21542                    464603.41
3807321.91        0.21317
         464623.41    3807321.91        0.21159                    464643.41
3807321.91        0.20613
         464663.41    3807321.91        0.20380                    464683.41
3807321.91        0.20250
         464703.41    3807321.91        0.19789                    464723.41
3807321.91        0.19561
         464743.41    3807321.91        0.20713                    464763.41
3807321.91        0.21001
         464783.41    3807321.91        0.21446                    464803.41
3807321.91        0.20898
         464823.41    3807321.91        0.20562                    464843.41
3807321.91        0.20625
         464863.41    3807321.91        0.22006                    464883.41
3807321.91        0.22060
         464903.41    3807321.91        0.22694                    464923.41
3807321.91        0.22223
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         464503.41    3807341.91        0.23343                       464523.41
3807341.91        0.22839
         464543.41    3807341.91        0.22616                       464563.41
3807341.91        0.22455
         464583.41    3807341.91        0.21919                       464603.41
3807341.91        0.21673
         464623.41    3807341.91        0.21498                       464643.41
3807341.91        0.20923
         464663.41    3807341.91        0.20672                       464683.41
3807341.91        0.20597
         464703.41    3807341.91        0.20503                       464723.41
3807341.91        0.20717
         464743.41    3807341.91        0.20980                       464763.41
3807341.91        0.21274
         464783.41    3807341.91        0.21725                       464803.41
3807341.91        0.21343
         464823.41    3807341.91        0.21453                       464843.41
3807341.91        0.22991
         464863.41    3807341.91        0.23057                       464883.41
3807341.91        0.23117
         464903.41    3807341.91        0.23024                       464923.41
3807341.91        0.22585
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 174
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - -

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3807401.91        0.23135
         464623.41    3807401.91        0.22618                        464643.41
3807401.91        0.22515
         464663.41    3807401.91        0.22400                        464683.41
3807401.91        0.22210
         464703.41    3807401.91        0.22373                        464723.41
3807401.91        0.23015
         464743.41    3807401.91        0.24115                        464763.41
3807401.91        0.24190
         464783.41    3807401.91        0.23890                        464803.41
3807401.91        0.24934
         464823.41    3807401.91        0.25047                        464843.41
3807401.91        0.25761
         464863.41    3807401.91        0.25231                        464883.41
3807401.91        0.25423
         464903.41    3807401.91        0.25294                        464923.41
3807401.91        0.24995
         464503.41    3807421.91        0.26095                        464523.41
3807421.91        0.25450
         464543.41    3807421.91        0.24988                        464563.41
3807421.91        0.24595
         464583.41    3807421.91        0.24180                        464603.41
3807421.91        0.23778
         464623.41    3807421.91        0.23378                        464643.41
3807421.91        0.22967
         464663.41    3807421.91        0.22791                        464683.41
3807421.91        0.24133
         464703.41    3807421.91        0.24001                        464723.41
3807421.91        0.23732
         464743.41    3807421.91        0.24467                        464763.41
3807421.91        0.24626
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 175
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464783.41	3807421.91	0.26051	464803.41	3807421.91	0.25776
464823.41	3807421.91	0.25661	464843.41	3807421.91	0.26456
464863.41	3807421.91	0.26202	464883.41	3807421.91	0.26098
464903.41	3807421.91	0.26148	464923.41	3807421.91	0.26504
464503.41	3807441.91	0.26661	464523.41	3807441.91	0.26085
464543.41	3807441.91	0.25735	464563.41	3807441.91	0.25426
464583.41	3807441.91	0.24821	464603.41	3807441.91	0.24463
464623.41	3807441.91	0.24165	464643.41	3807441.91	0.23559
464663.41	3807441.91	0.23243	464683.41	3807441.91	0.24533
464703.41	3807441.91	0.24833	464723.41	3807441.91	0.25525
464743.41	3807441.91	0.24973	464763.41	3807441.91	0.25025
464783.41	3807441.91	0.26755	464803.41	3807441.91	0.27883
464823.41	3807441.91	0.27221	464843.41	3807441.91	0.27166
464863.41	3807441.91	0.27323	464883.41	3807441.91	0.26732
464903.41	3807441.91	0.27194	464923.41	3807441.91	0.28075
464503.41	3807461.91	0.27292	464523.41	3807461.91	0.27078
464543.41	3807461.91	0.26565	464563.41	3807461.91	0.25970
464583.41	3807461.91	0.25758	464603.41	3807461.91	0.25236
464623.41	3807461.91	0.24637	464643.41	3807461.91	0.24480
464663.41	3807461.91	0.24658	464683.41	3807461.91	0.24897

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         464703.41    3807461.91        0.25203                        464723.41
3807461.91        0.26321
         464743.41    3807461.91        0.26322                        464763.41
3807461.91        0.26439
         464783.41    3807461.91        0.27177                        464803.41
3807461.91        0.28345
         464823.41    3807461.91        0.27668                        464843.41
3807461.91        0.27618
         464863.41    3807461.91        0.27785                        464883.41
3807461.91        0.27183
         464903.41    3807461.91        0.27659                        464923.41
3807461.91        0.28557
         464503.41    3807481.91        0.27879                        464523.41
3807481.91        0.27725
         464543.41    3807481.91        0.27381                        464563.41
3807481.91        0.26921
         464583.41    3807481.91        0.26442                        464603.41
3807481.91        0.25992
         464623.41    3807481.91        0.25557                        464643.41
3807481.91        0.25255
         464663.41    3807481.91        0.26348                        464683.41
3807481.91        0.26024
         464703.41    3807481.91        0.25707                        464723.41
3807481.91        0.26781
         464743.41    3807481.91        0.28441                        464763.41
3807481.91        0.27678
         464783.41    3807481.91        0.27614                        464803.41
3807481.91        0.28821
         464823.41    3807481.91        0.28131                        464843.41
3807481.91        0.28086
         464863.41    3807481.91        0.28299                        464883.41
3807481.91        0.28720
         464903.41    3807481.91        0.28801                        464923.41
3807481.91        0.29216
         464503.41    3807501.91        0.28657                        464523.41
3807501.91        0.28490
         464543.41    3807501.91        0.28250                        464563.41
3807501.91        0.27898
         464583.41    3807501.91        0.27191                        464603.41
3807501.91        0.26804
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 176
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
```

INCLUDING SOURCE(S): L0006011 , L0006012
, L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020
, L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028
, L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464623.41	3807501.91	0.28116	464643.41	3807501.91	0.27528
464663.41	3807501.91	0.27244	464683.41	3807501.91	0.28122
464703.41	3807501.91	0.27565	464723.41	3807501.91	0.27308
464743.41	3807501.91	0.28919	464763.41	3807501.91	0.28410
464783.41	3807501.91	0.28155	464803.41	3807501.91	0.29327
464823.41	3807501.91	0.28707	464843.41	3807501.91	0.28641
464863.41	3807501.91	0.28986	464883.41	3807501.91	0.29955
464903.41	3807501.91	0.30180	464923.41	3807501.91	0.29871
464503.41	3807521.91	0.29951	464523.41	3807521.91	0.29797
464543.41	3807521.91	0.29222	464563.41	3807521.91	0.28522
464583.41	3807521.91	0.28313	464603.41	3807521.91	0.28470
464623.41	3807521.91	0.28676	464643.41	3807521.91	0.28865
464663.41	3807521.91	0.28883	464683.41	3807521.91	0.28818
464703.41	3807521.91	0.28861	464723.41	3807521.91	0.28446
464743.41	3807521.91	0.29639	464763.41	3807521.91	0.29665
464783.41	3807521.91	0.29279	464803.41		

```
3807521.91        0.29892
         464823.41    3807521.91        0.30092                    464843.41
3807521.91        0.29898
         464863.41    3807521.91        0.29505                    464883.41
3807521.91        0.30497
         464903.41    3807521.91        0.30723                    464923.41
3807521.91        0.30405
         464503.41    3807541.91        0.31277                    464523.41
3807541.91        0.30716
         464543.41    3807541.91        0.30182                    464563.41
3807541.91        0.29657
         464583.41    3807541.91        0.29274                    464603.41
3807541.91        0.30452
         464623.41    3807541.91        0.30028                    464643.41
3807541.91        0.29605
         464663.41    3807541.91        0.30358                    464683.41
3807541.91        0.30130
         464703.41    3807541.91        0.29746                    464723.41
3807541.91        0.31117
         464743.41    3807541.91        0.30733                    464763.41
3807541.91        0.30549
         464783.41    3807541.91        0.31124                    464803.41
3807541.91        0.30432
         464823.41    3807541.91        0.30883                    464843.41
3807541.91        0.30981
         464863.41    3807541.91        0.31350                    464883.41
3807541.91        0.31242
         464903.41    3807541.91        0.31932                    464923.41
3807541.91        0.32579
         464503.41    3807561.91        0.32513                    464523.41
3807561.91        0.31680
         464543.41    3807561.91        0.31209                    464563.41
3807561.91        0.32647
         464583.41    3807561.91        0.31928                    464603.41
3807561.91        0.31545
         464623.41    3807561.91        0.32472                    464643.41
3807561.91        0.31770
         464663.41    3807561.91        0.31402                    464683.41
3807561.91        0.33155
         464703.41    3807561.91        0.32502                    464723.41
3807561.91        0.32136
         464743.41    3807561.91        0.33383                    464763.41
3807561.91        0.32516
         464783.41    3807561.91        0.31756                    464803.41
3807561.91        0.31305
         464823.41    3807561.91        0.31483                    464843.41
3807561.91        0.32289
         464863.41    3807561.91        0.33268                    464883.41
3807561.91        0.32550
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
                                 INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

```
         464903.41    3807581.91        0.34190                    464923.41
3807581.91        0.34590
         464503.41    3807601.91        0.34884                    464523.41
3807601.91        0.36855
         464543.41    3807601.91        0.36141                    464563.41
3807601.91        0.35027
         464583.41    3807601.91        0.34471                    464603.41
3807601.91        0.35248
         464623.41    3807601.91        0.34903                    464643.41
3807601.91        0.34376
         464663.41    3807601.91        0.35856                    464683.41
3807601.91        0.35329
         464703.41    3807601.91        0.35034                    464723.41
3807601.91        0.35614
         464743.41    3807601.91        0.34706                    464763.41
3807601.91        0.34280
         464783.41    3807601.91        0.34073                    464803.41
3807601.91        0.33863
         464823.41    3807601.91        0.34309                    464843.41
3807601.91        0.34337
         464863.41    3807601.91        0.34751                    464883.41
3807601.91        0.35589
         464903.41    3807601.91        0.35496                    464923.41
3807601.91        0.35238
         464503.41    3807621.91        0.38905                    464523.41
3807621.91        0.38764
         464543.41    3807621.91        0.39184                    464563.41
3807621.91        0.37928
         464583.41    3807621.91        0.37038                    464603.41
3807621.91        0.36526
         464623.41    3807621.91        0.38443                    464643.41
3807621.91        0.37599
         464663.41    3807621.91        0.37084                    464683.41
3807621.91        0.38424
         464703.41    3807621.91        0.37342                    464723.41
3807621.91        0.36386
         464743.41    3807621.91        0.35789                    464763.41
3807621.91        0.35915
         464783.41    3807621.91        0.35621                    464803.41
3807621.91        0.35285
         464823.41    3807621.91        0.35886                    464843.41
3807621.91        0.36259
         464863.41    3807621.91        0.36149                    464883.41
3807621.91        0.36988
         464903.41    3807621.91        0.36681                    464923.41
3807621.91        0.36366
         464503.41    3807641.91        0.41077                    464523.41
3807641.91        0.41142
         464543.41    3807641.91        0.40031                    464563.41
3807641.91        0.39030
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

3807661.91 0.40944
464583.41 3807661.91 0.40227 464603.41 3807661.91 0.41828
464623.41 3807661.91 0.41105 464643.41 3807661.91 0.40654
464663.41 3807661.91 0.41692 464683.41 3807661.91 0.40988
464703.41 3807661.91 0.39833 464723.41 3807661.91 0.39152
464743.41 3807661.91 0.38822 464763.41 3807661.91 0.39241
464783.41 3807661.91 0.39183 464803.41 3807661.91 0.39563
464823.41 3807661.91 0.40425 464843.41 3807661.91 0.40242
464863.41 3807661.91 0.39869 464883.41 3807661.91 0.39816
464903.41 3807661.91 0.38940 464923.41 3807661.91 0.38090
464503.41 3807681.91 0.50425 464523.41 3807681.91 0.48790
464543.41 3807681.91 0.47189 464563.41 3807681.91 0.45630
464583.41 3807681.91 0.44121 464603.41 3807681.91 0.43341
464623.41 3807681.91 0.44801 464643.41 3807681.91 0.43553
464663.41 3807681.91 0.43150 464683.41 3807681.91 0.43054
464703.41 3807681.91 0.42196 464723.41 3807681.91 0.41316
464743.41 3807681.91 0.40513 464763.41 3807681.91 0.41098
464783.41 3807681.91 0.41423 464803.41 3807681.91 0.41208
464823.41 3807681.91 0.42070 464843.41 3807681.91 0.41640
464863.41 3807681.91 0.41205 464883.41 3807681.91 0.40614
464903.41 3807681.91 0.39704 464923.41 3807681.91 0.38821
464523.41 3807701.91 0.51361 464543.41 3807701.91 0.49665
464563.41 3807701.91 0.48022 464583.41 3807701.91 0.46438
464603.41 3807701.91 0.45272 464623.41 3807701.91 0.45886
464643.41 3807701.91 0.45853 464663.41 3807701.91 0.45241
464683.41 3807701.91 0.44336 464703.41

3807701.91   0.45009
         464723.41   3807701.91   0.44308   464743.41
3807701.91   0.43151
         464763.41   3807701.91   0.42468   464783.41
3807701.91   0.43561
         464803.41   3807701.91   0.44030   464823.41
3807701.91   0.43342
         464843.41   3807701.91   0.43058   464863.41
3807701.91   0.42407
         464883.41   3807701.91   0.41427   464903.41
3807701.91   0.40484
         464923.41   3807701.91   0.39569   464543.41
3807721.91   0.54055
         464563.41   3807721.91   0.51690   464583.41
3807721.91   0.49996
         464603.41   3807721.91   0.48375   464623.41
3807721.91   0.46943

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464643.41   3807721.91   0.47284   464663.41
3807721.91   0.47092
         464683.41   3807721.91   0.47285   464703.41
3807721.91   0.46789

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         464723.41    3807721.91        0.46519                    464743.41
3807721.91        0.45538
         464763.41    3807721.91        0.46408                    464783.41
3807721.91        0.46094
         464803.41    3807721.91        0.45569                    464823.41
3807721.91        0.45413
         464843.41    3807721.91        0.44327                    464863.41
3807721.91        0.43277
         464883.41    3807721.91        0.42263                    464903.41
3807721.91        0.41281
         464923.41    3807721.91        0.40331                    464943.41
3807721.91        0.39411
         464963.41    3807721.91        0.38519                    464983.41
3807721.91        0.37655
         465003.41    3807721.91        0.36817                    465023.41
3807721.91        0.36004
         465043.41    3807721.91        0.35214                    465063.41
3807721.91        0.34446
         465083.41    3807721.91        0.33701                    465103.41
3807721.91        0.32979
         465123.41    3807721.91        0.32289                    465143.41
3807721.91        0.31609
         465163.41    3807721.91        0.30948                    465183.41
3807721.91        0.30316
         465203.41    3807721.91        0.29695                    465223.41
3807721.91        0.29087
         465243.41    3807721.91        0.28495                    465263.41
3807721.91        0.27921
         465283.41    3807721.91        0.27365                    465303.41
3807721.91        0.26835
         465323.41    3807721.91        0.26311                    465343.41
3807721.91        0.25800
         465363.41    3807721.91        0.25314                    465383.41
3807721.91        0.24833
         464543.41    3807741.91        0.57518                    464563.41
3807741.91        0.53692
         464583.41    3807741.91        0.51776                    464603.41
3807741.91        0.50040
         464623.41    3807741.91        0.48550                    464643.41
3807741.91        0.48881
         464663.41    3807741.91        0.49565                    464683.41
3807741.91        0.50341
         464703.41    3807741.91        0.48931                    464723.41
3807741.91        0.47875
         464743.41    3807741.91        0.47506                    464763.41
3807741.91        0.48372
         464783.41    3807741.91        0.47770                    464803.41
3807741.91        0.47167
         464823.41    3807741.91        0.46395                    464843.41
3807741.91        0.45262
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         464863.41    3807741.91        0.44168                        464883.41
3807741.91        0.43117
         464903.41    3807741.91        0.42097                        464923.41
3807741.91        0.41111
         464943.41    3807741.91        0.40154                        464963.41
3807741.91        0.39230
         464983.41    3807741.91        0.38338                        465003.41
3807741.91        0.37463
         465023.41    3807741.91        0.36621                        465043.41
3807741.91        0.35807
         465063.41    3807741.91        0.35006                        465083.41
3807741.91        0.34241
         465103.41    3807741.91        0.33506                        465123.41
3807741.91        0.32789
         465143.41    3807741.91        0.32082                        465163.41
3807741.91        0.31393
         465183.41    3807741.91        0.30739                        465203.41
3807741.91        0.30107
         465223.41    3807741.91        0.29492                        465243.41
3807741.91        0.28877
         465263.41    3807741.91        0.28293                        465283.41
3807741.91        0.27734
         465303.41    3807741.91        0.27186                        465323.41
3807741.91        0.26642
         465343.41    3807741.91        0.26112                        465363.41
3807741.91        0.25610
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 180
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465383.41	3807741.91	0.25126	464543.41	3807761.91	0.67881
464563.41	3807761.91	0.59781	464583.41	3807761.91	0.55229
464603.41	3807761.91	0.52933	464623.41	3807761.91	0.51669
464643.41	3807761.91	0.52678	464663.41	3807761.91	0.52237
464683.41	3807761.91	0.51550	464703.41	3807761.91	0.50088
464723.41	3807761.91	0.50426	464743.41	3807761.91	0.50831
464763.41	3807761.91	0.49918	464783.41	3807761.91	0.49477
464803.41	3807761.91	0.48622	464823.41	3807761.91	0.47397
464843.41	3807761.91	0.46216	464863.41	3807761.91	0.45080
464883.41	3807761.91	0.43989	464903.41	3807761.91	0.42931
464923.41	3807761.91	0.41908	464943.41	3807761.91	0.40917
464963.41	3807761.91	0.39960	464983.41	3807761.91	0.39036
465003.41	3807761.91	0.38131	465023.41	3807761.91	0.37250
465043.41	3807761.91	0.36396	465063.41	3807761.91	0.35585
465083.41	3807761.91	0.34803	465103.41	3807761.91	0.34041
465123.41	3807761.91	0.33283	465143.41	3807761.91	0.32561
465163.41	3807761.91	0.31865	465183.41	3807761.91	0.31171
465203.41	3807761.91	0.30516	465223.41	3807761.91	0.29889
465243.41	3807761.91	0.29277	465263.41	3807761.91	0.28685
465283.41	3807761.91	0.28109	465303.41	3807761.91	0.27528
465323.41	3807761.91	0.26979	465343.41	3807761.91	0.26449
465363.41	3807761.91	0.25916	465383.41	3807761.91	0.25416
464543.41	3807781.91	0.72003	464563.41		

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3807781.91        0.69804
         464583.41    3807781.91        0.65691                        464603.41
3807781.91        0.61658
         464623.41    3807781.91        0.58154                        464643.41
3807781.91        0.56084
         464663.41    3807781.91        0.55495                        464683.41
3807781.91        0.55571
         464703.41    3807781.91        0.53995                        464723.41
3807781.91        0.53442
         464743.41    3807781.91        0.52700                        464763.41
3807781.91        0.52390
         464783.41    3807781.91        0.51021                        464803.41
3807781.91        0.49701
         464823.41    3807781.91        0.48425                        464843.41
3807781.91        0.47201
         464863.41    3807781.91        0.46022                        464883.41
3807781.91        0.44884
         464903.41    3807781.91        0.43785                        464923.41
3807781.91        0.42722
         464943.41    3807781.91        0.41695                        464963.41
3807781.91        0.40702
         464983.41    3807781.91        0.39741                        465003.41
3807781.91        0.38810
         465023.41    3807781.91        0.37900                        465043.41
3807781.91        0.37015
         465063.41    3807781.91        0.36182                        465083.41
3807781.91        0.35365
         465103.41    3807781.91        0.34569                        465123.41
3807781.91        0.33799
         465143.41    3807781.91        0.33052                        465163.41
3807781.91        0.32328
         465183.41    3807781.91        0.31627                        465203.41
3807781.91        0.30958
         465223.41    3807781.91        0.30313                        465243.41
3807781.91        0.29672
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 181
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
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, L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         465123.41    3807801.91        0.34326                      465143.41
3807801.91        0.33553
         465163.41    3807801.91        0.32803                      465183.41
3807801.91        0.32100
         465203.41    3807801.91        0.31414                      465223.41
3807801.91        0.30745
         465243.41    3807801.91        0.30079                      465263.41
3807801.91        0.29452
         465283.41    3807801.91        0.28853                      465303.41
3807801.91        0.28266
         465323.41    3807801.91        0.27684                      465343.41
3807801.91        0.27117
         465363.41    3807801.91        0.26590                      465383.41
3807801.91        0.26074
         464543.41    3807821.91        0.76182                      464563.41
3807821.91        0.73910
         464583.41    3807821.91        0.71710                      464603.41
3807821.91        0.69526
         464623.41    3807821.91        0.67375                      464643.41
3807821.91        0.64018
         464663.41    3807821.91        0.61821                      464683.41
3807821.91        0.60011
         464703.41    3807821.91        0.58266                      464723.41
3807821.91        0.57586
         464743.41    3807821.91        0.56445                      464763.41
3807821.91        0.54885
         464783.41    3807821.91        0.53387                      464803.41
3807821.91        0.51951
         464823.41    3807821.91        0.50578                      464843.41
3807821.91        0.49251
         464863.41    3807821.91        0.47974                      464883.41
3807821.91        0.46740
         464903.41    3807821.91        0.45553                      464923.41
3807821.91        0.44410
         464943.41    3807821.91        0.43298                      464963.41
3807821.91        0.42230
         464983.41    3807821.91        0.41203                      465003.41
3807821.91        0.40193
         465023.41    3807821.91        0.39230                      465043.41
3807821.91        0.38303
         465063.41    3807821.91        0.37386                      465083.41
3807821.91        0.36517
         465103.41    3807821.91        0.35681                      465123.41
3807821.91        0.34849
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465143.41	3807821.91	0.34063	465163.41	3807821.91	0.33313
465183.41	3807821.91	0.32592	465203.41	3807821.91	0.31872
465223.41	3807821.91	0.31170	465243.41	3807821.91	0.30512
465263.41	3807821.91	0.29878	465283.41	3807821.91	0.29260
465303.41	3807821.91	0.28637	465323.41	3807821.91	0.28050
465343.41	3807821.91	0.27491	465363.41	3807821.91	0.26952
465383.41	3807821.91	0.26410	464543.41	3807841.91	0.78035
464563.41	3807841.91	0.75666	464583.41	3807841.91	0.73596
464603.41	3807841.91	0.71469	464623.41	3807841.91	0.69286
464643.41	3807841.91	0.67145	464663.41	3807841.91	0.65092
464683.41	3807841.91	0.63134	464723.41	3807841.91	0.59507
464743.41	3807841.91	0.57814	464763.41	3807841.91	0.56184
464783.41	3807841.91	0.54628	464803.41	3807841.91	0.53135
464823.41	3807841.91	0.51699	464843.41		

3807841.91 0.50317
464863.41 3807841.91 0.48987 464883.41
3807841.91 0.47706
464903.41 3807841.91 0.46471 464923.41
3807841.91 0.45280
464943.41 3807841.91 0.44131 464963.41
3807841.91 0.43022
464983.41 3807841.91 0.41950 465003.41
3807841.91 0.40915
465023.41 3807841.91 0.39915 465043.41
3807841.91 0.38949
465063.41 3807841.91 0.38018 465083.41
3807841.91 0.37116
465103.41 3807841.91 0.36245 465123.41
3807841.91 0.35405
465143.41 3807841.91 0.34592 465163.41
3807841.91 0.33808
465183.41 3807841.91 0.33069 465203.41
3807841.91 0.32341
465223.41 3807841.91 0.31631 465243.41
3807841.91 0.30942
465263.41 3807841.91 0.30288 465283.41
3807841.91 0.29660
465303.41 3807841.91 0.29037 465323.41
3807841.91 0.28445
465343.41 3807841.91 0.27875 465363.41
3807841.91 0.27307
465383.41 3807841.91 0.26757 464503.41
3807861.91 0.85829
464523.41 3807861.91 0.82705 464543.41
3807861.91 0.79881
464563.41 3807861.91 0.77356 464583.41
3807861.91 0.75308
464603.41 3807861.91 0.73287 464723.41
3807861.91 0.61004
464743.41 3807861.91 0.59226 464763.41
3807861.91 0.57525
464783.41 3807861.91 0.55908 464803.41
3807861.91 0.54351
464823.41 3807861.91 0.52853 464843.41
3807861.91 0.51414
464863.41 3807861.91 0.50027 464883.41
3807861.91 0.48698
464903.41 3807861.91 0.47413 464923.41
3807861.91 0.46171
464943.41 3807861.91 0.44987 464963.41
3807861.91 0.43833
464983.41 3807861.91 0.42715 465003.41
3807861.91 0.41656
465023.41 3807861.91 0.40619 465043.41

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465103.41	3807861.91	0.36828	465123.41	3807861.91	0.35976
465143.41	3807861.91	0.35135	465163.41	3807861.91	0.34320
465183.41	3807861.91	0.33553	465203.41	3807861.91	0.32818
465223.41	3807861.91	0.32105	465243.41	3807861.91	0.31388
465263.41	3807861.91	0.30716	465283.41	3807861.91	0.30076
465303.41	3807861.91	0.29450	465323.41	3807861.91	0.28849
465343.41	3807861.91	0.28265	465363.41	3807861.91	0.27675
465383.41	3807861.91	0.27118	464503.41	3807881.91	0.88432
464523.41	3807881.91	0.85112	464543.41	3807881.91	0.82135

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        464723.41    3807881.91        0.62544                    464743.41
3807881.91        0.60687
        464763.41    3807881.91        0.58911                    464783.41
3807881.91        0.57225
        464803.41    3807881.91        0.55604                    464823.41
3807881.91        0.54041
        464843.41    3807881.91        0.52542                    464863.41
3807881.91        0.51104
        464883.41    3807881.91        0.49711                    464903.41
3807881.91        0.48380
        464923.41    3807881.91        0.47102                    464943.41
3807881.91        0.45852
        464963.41    3807881.91        0.44664                    464983.41
3807881.91        0.43525
        465003.41    3807881.91        0.42401                    465023.41
3807881.91        0.41340
        465043.41    3807881.91        0.40323                    465063.41
3807881.91        0.39314
        465083.41    3807881.91        0.38364                    465103.41
3807881.91        0.37454
        465123.41    3807881.91        0.36547                    465143.41
3807881.91        0.35694
        465163.41    3807881.91        0.34877                    465183.41
3807881.91        0.34060
        465203.41    3807881.91        0.33298                    465223.41
3807881.91        0.32573
        465243.41    3807881.91        0.31868                    465263.41
3807881.91        0.31190
        465283.41    3807881.91        0.30531                    465303.41
3807881.91        0.29863
        465323.41    3807881.91        0.29242                    465343.41
3807881.91        0.28651
        465363.41    3807881.91        0.28074                    465383.41
3807881.91        0.27497
        464723.41    3807901.91        0.64160                    464743.41
3807901.91        0.62203
        464763.41    3807901.91        0.60361                    464783.41
3807901.91        0.58594
        464803.41    3807901.91        0.56900                    464823.41
3807901.91        0.55272
        464843.41    3807901.91        0.53713                    464863.41
3807901.91        0.52220
        464883.41    3807901.91        0.50770                    464903.41
3807901.91        0.49377
        464923.41    3807901.91        0.48043                    464943.41
3807901.91        0.46760
        464963.41    3807901.91        0.45540                    464983.41
3807901.91        0.44366
        465003.41    3807901.91        0.43200                    465023.41
3807901.91        0.42089
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         465043.41    3807901.91        0.41028                       465063.41
3807901.91        0.40008
         465083.41    3807901.91        0.39023                       465103.41
3807901.91        0.38074
         465123.41    3807901.91        0.37161                       465143.41
3807901.91        0.36278
         465163.41    3807901.91        0.35427                       465183.41
3807901.91        0.34608
         465203.41    3807901.91        0.33833                       465223.41
3807901.91        0.33088
         465243.41    3807901.91        0.32348                       465263.41
3807901.91        0.31650
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 184
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
                               INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465283.41    3807901.91        0.30979                       465303.41
3807901.91        0.30313
         465323.41    3807901.91        0.29668                       465343.41
3807901.91        0.29047
         465363.41    3807901.91        0.28465                       465383.41
3807901.91        0.27889
         464723.41    3807921.91        0.65824                       464743.41
3807921.91        0.63789
         464763.41    3807921.91        0.61859                       464783.41
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3807921.91        0.60012
         464803.41    3807921.91        0.58244                  464823.41
3807921.91        0.56548
         464843.41    3807921.91        0.54925                  464863.41
3807921.91        0.53371
         464883.41    3807921.91        0.51862                  464903.41
3807921.91        0.50407
         464923.41    3807921.91        0.49015                  464943.41
3807921.91        0.47708
         464963.41    3807921.91        0.46447                  464983.41
3807921.91        0.45227
         465003.41    3807921.91        0.44021                  465023.41
3807921.91        0.42865
         465043.41    3807921.91        0.41761                  465063.41
3807921.91        0.40726
         465083.41    3807921.91        0.39706                  465103.41
3807921.91        0.38720
         465123.41    3807921.91        0.37797                  465143.41
3807921.91        0.36885
         465163.41    3807921.91        0.36002                  465183.41
3807921.91        0.35177
         465203.41    3807921.91        0.34387                  465223.41
3807921.91        0.33622
         465243.41    3807921.91        0.32851                  465263.41
3807921.91        0.32125
         465283.41    3807921.91        0.31436                  465303.41
3807921.91        0.30778
         465323.41    3807921.91        0.30117                  465343.41
3807921.91        0.29473
         465363.41    3807921.91        0.28879                  465383.41
3807921.91        0.28299
         464723.41    3807941.91        0.67503                  464743.41
3807941.91        0.65431
         464763.41    3807941.91        0.63412                  464783.41
3807941.91        0.61482
         464803.41    3807941.91        0.59634                  464823.41
3807941.91        0.57872
         464843.41    3807941.91        0.56179                  464863.41
3807941.91        0.54545
         464883.41    3807941.91        0.52964                  464903.41
3807941.91        0.51471
         464923.41    3807941.91        0.50055                  464943.41
3807941.91        0.48702
         464963.41    3807941.91        0.47375                  464983.41
3807941.91        0.46085
         465003.41    3807941.91        0.44836                  465023.41
3807941.91        0.43668
         465043.41    3807941.91        0.42555                  465063.41
3807941.91        0.41449
         465083.41    3807941.91        0.40414                  465103.41
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3807941.91   0.39425
         465123.41   3807941.91   0.38437   465143.41
3807941.91   0.37515
         465163.41   3807941.91   0.36633   465183.41
3807941.91   0.35748
         465203.41   3807941.91   0.34929   465223.41
3807941.91   0.34152
         465243.41   3807941.91   0.33396   465263.41
3807941.91   0.32642
         465283.41   3807941.91   0.31910   465303.41
3807941.91   0.31238
         465323.41   3807941.91   0.30584   465343.41
3807941.91   0.29951
         465363.41   3807941.91   0.29344   465383.41
3807941.91   0.28731
         465403.41   3807941.91   0.28131   465423.41
3807941.91   0.27577
         465443.41   3807941.91   0.27043   465463.41
3807941.91   0.26536
         465483.41   3807941.91   0.26031   465503.41
3807941.91   0.25545

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
                                 INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                 L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                 L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                 L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

465523.41	3807941.91	0.25070	465543.41	3807941.91	0.24584
465563.41	3807941.91	0.24129	465583.41	3807941.91	0.23697
465603.41	3807941.91	0.23281	465623.41	3807941.91	0.22857
465643.41	3807941.91	0.22441	465663.41	3807941.91	0.22056
465683.41	3807941.91	0.21665	465703.41	3807941.91	0.21283
464723.41	3807961.91	0.69067	464743.41	3807961.91	0.67088
464763.41	3807961.91	0.65022	464783.41	3807961.91	0.63011
464803.41	3807961.91	0.61085	464823.41	3807961.91	0.59242
464843.41	3807961.91	0.57480	464863.41	3807961.91	0.55789
464883.41	3807961.91	0.54145	464903.41	3807961.91	0.52601
464923.41	3807961.91	0.51134	464943.41	3807961.91	0.49705
464963.41	3807961.91	0.48338	464983.41	3807961.91	0.47022
465003.41	3807961.91	0.45731	465023.41	3807961.91	0.44532
465043.41	3807961.91	0.43390	465063.41	3807961.91	0.42243
465083.41	3807961.91	0.41158	465103.41	3807961.91	0.40125
465123.41	3807961.91	0.39134	465143.41	3807961.91	0.38178
465163.41	3807961.91	0.37257	465183.41	3807961.91	0.36373
465203.41	3807961.91	0.35519	465223.41	3807961.91	0.34700
465243.41	3807961.91	0.33935	465263.41	3807961.91	0.33179
465283.41	3807961.91	0.32446	465303.41	3807961.91	0.31759
465323.41	3807961.91	0.31077	465343.41	3807961.91	0.30414
465363.41	3807961.91	0.29794	465383.41	3807961.91	0.29180
465403.41	3807961.91	0.28579	465423.41	3807961.91	0.27994
465443.41	3807961.91	0.27444	465463.41	3807961.91	0.26949
465483.41	3807961.91	0.26418	465503.41	3807961.91	0.25918

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         465523.41    3807961.91        0.25435                       465543.41
3807961.91        0.24953
         465563.41    3807961.91        0.24497                       465583.41
3807961.91        0.24057
         465603.41    3807961.91        0.23614                       465623.41
3807961.91        0.23185
         465643.41    3807961.91        0.22769                       465663.41
3807961.91        0.22363
         465683.41    3807961.91        0.21969                       465703.41
3807961.91        0.21590
         464743.41    3807981.91        0.68708                       464763.41
3807981.91        0.66669
         464783.41    3807981.91        0.64599                       464803.41
3807981.91        0.62598
         464823.41    3807981.91        0.60660                       464843.41
3807981.91        0.58827
         464863.41    3807981.91        0.57083                       464883.41
3807981.91        0.55373
         464903.41    3807981.91        0.53770                       464923.41
3807981.91        0.52248
         464943.41    3807981.91        0.50753                       464963.41
3807981.91        0.49342
         464983.41    3807981.91        0.47997                       465003.41
3807981.91        0.46678
         465023.41    3807981.91        0.45435                       465043.41
3807981.91        0.44249
         465063.41    3807981.91        0.43080                       465083.41
3807981.91        0.41947
         465103.41    3807981.91        0.40864                       465123.41
3807981.91        0.39875
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 186
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465143.41	3807981.91	0.38882	465163.41	3807981.91	0.37915
465183.41	3807981.91	0.37025	465203.41	3807981.91	0.36142
465223.41	3807981.91	0.35288	465243.41	3807981.91	0.34505
465263.41	3807981.91	0.33750	465283.41	3807981.91	0.33019
465303.41	3807981.91	0.32304	465323.41	3807981.91	0.31592
465343.41	3807981.91	0.30901	465363.41	3807981.91	0.30258
465383.41	3807981.91	0.29642	465403.41	3807981.91	0.29043
465423.41	3807981.91	0.28433	465443.41	3807981.91	0.27867
465463.41	3807981.91	0.27378	465483.41	3807981.91	0.26823
465503.41	3807981.91	0.26308	465523.41	3807981.91	0.25818
465543.41	3807981.91	0.25337	465563.41	3807981.91	0.24875
465583.41	3807981.91	0.24423	465603.41	3807981.91	0.23960
465623.41	3807981.91	0.23526	465643.41	3807981.91	0.23108
465663.41	3807981.91	0.22683	465683.41	3807981.91	0.22290
465703.41	3807981.91	0.21915	464763.41	3808001.91	0.68278
464783.41	3808001.91	0.66214	464803.41	3808001.91	0.64159
464823.41	3808001.91	0.62120	464843.41	3808001.91	0.60211
464863.41	3808001.91	0.58397	464883.41	3808001.91	0.56611
464903.41	3808001.91	0.54949	464923.41	3808001.91	0.53381
464943.41	3808001.91	0.51874	464963.41	3808001.91	0.50399
464983.41	3808001.91	0.48980	465003.41		

3808001.91 0.47660
465023.41 3808001.91 0.46363 465043.41
3808001.91 0.45111
465063.41 3808001.91 0.43949 465083.41
3808001.91 0.42796
465103.41 3808001.91 0.41681 465123.41
3808001.91 0.40663
465143.41 3808001.91 0.39642 465163.41
3808001.91 0.38640
465183.41 3808001.91 0.37682 465203.41
3808001.91 0.36791
465223.41 3808001.91 0.35950 465243.41
3808001.91 0.35146
465263.41 3808001.91 0.34371 465283.41
3808001.91 0.33614
465303.41 3808001.91 0.32844 465323.41
3808001.91 0.32128
465343.41 3808001.91 0.31443 465363.41
3808001.91 0.30748
465383.41 3808001.91 0.30109 465403.41
3808001.91 0.29502
465423.41 3808001.91 0.28911 465443.41
3808001.91 0.28342
465463.41 3808001.91 0.27802 465483.41
3808001.91 0.27263
465503.41 3808001.91 0.26746 465523.41
3808001.91 0.26240
465543.41 3808001.91 0.25720 465563.41
3808001.91 0.25240
465583.41 3808001.91 0.24784 465603.41
3808001.91 0.24336
465623.41 3808001.91 0.23883 465643.41
3808001.91 0.23440
465663.41 3808001.91 0.23031 465683.41
3808001.91 0.22636
465703.41 3808001.91 0.22249 464763.41
3808021.91 0.69732
464783.41 3808021.91 0.67689 464803.41
3808021.91 0.65661

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012

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, L0006013    , L0006014    , L0006015    ,
                L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         464823.41    3808021.91        0.63607                       464843.41
3808021.91        0.61647
         464863.41    3808021.91        0.59770                       464883.41
3808021.91        0.57951
         464903.41    3808021.91        0.56212                       464923.41
3808021.91        0.54557
         464943.41    3808021.91        0.53008                       464963.41
3808021.91        0.51504
         464983.41    3808021.91        0.50054                       465003.41
3808021.91        0.48661
         465023.41    3808021.91        0.47331                       465043.41
3808021.91        0.46057
         465063.41    3808021.91        0.44832                       465083.41
3808021.91        0.43659
         465103.41    3808021.91        0.42534                       465123.41
3808021.91        0.41451
         465143.41    3808021.91        0.40412                       465163.41
3808021.91        0.39409
         465183.41    3808021.91        0.38414                       465203.41
3808021.91        0.37502
         465223.41    3808021.91        0.36639                       465243.41
3808021.91        0.35780
         465263.41    3808021.91        0.34974                       465283.41
3808021.91        0.34203
         465303.41    3808021.91        0.33435                       465323.41
3808021.91        0.32693
         465343.41    3808021.91        0.31977                       465363.41
3808021.91        0.31287
         465383.41    3808021.91        0.30638                       465403.41
3808021.91        0.30013
         465423.41    3808021.91        0.29387                       465443.41
3808021.91        0.28798
```

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         465463.41    3808021.91        0.28271                    465483.41
3808021.91        0.27702
         465503.41    3808021.91        0.27167                    465523.41
3808021.91        0.26653
         465543.41    3808021.91        0.26137                    465563.41
3808021.91        0.25636
         465583.41    3808021.91        0.25153                    465603.41
3808021.91        0.24702
         465623.41    3808021.91        0.24251                    465643.41
3808021.91        0.23810
         465663.41    3808021.91        0.23397                    465683.41
3808021.91        0.22982
         465703.41    3808021.91        0.22574                    464783.41
3808041.91        0.69134
         464803.41    3808041.91        0.67138                    464823.41
3808041.91        0.65120
         464843.41    3808041.91        0.63132                    464863.41
3808041.91        0.61206
         464883.41    3808041.91        0.59356                    464903.41
3808041.91        0.57547
         464923.41    3808041.91        0.55811                    464943.41
3808041.91        0.54208
         464963.41    3808041.91        0.52676                    464983.41
3808041.91        0.51198
         465003.41    3808041.91        0.49723                    465023.41
3808041.91        0.48350
         465043.41    3808041.91        0.47047                    465063.41
3808041.91        0.45762
         465083.41    3808041.91        0.44559                    465103.41
3808041.91        0.43413
         465123.41    3808041.91        0.42277                    465143.41
3808041.91        0.41213
         465163.41    3808041.91        0.40199                    465183.41
3808041.91        0.39190
         465203.41    3808041.91        0.38246                    465223.41
3808041.91        0.37344
         465243.41    3808041.91        0.36444                    465263.41
3808041.91        0.35602
         465283.41    3808041.91        0.34805                    465303.41
3808041.91        0.34047
         465323.41    3808041.91        0.33284                    465343.41
3808041.91        0.32538
         465363.41    3808041.91        0.31846                    465383.41
3808041.91        0.31185
         465403.41    3808041.91        0.30542                    465423.41
3808041.91        0.29885
         465443.41    3808041.91        0.29278                    465463.41
3808041.91        0.28756
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
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*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 , L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 , L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 , L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465483.41	3808041.91	0.28159	465503.41	3808041.91	0.27601
465523.41	3808041.91	0.27072	465543.41	3808041.91	0.26565
465563.41	3808041.91	0.26050	465583.41	3808041.91	0.25546
465603.41	3808041.91	0.25084	465623.41	3808041.91	0.24636
465643.41	3808041.91	0.24199	465663.41	3808041.91	0.23769
465683.41	3808041.91	0.23335	465703.41	3808041.91	0.22911
464803.41	3808061.91	0.68698	464823.41	3808061.91	0.66634
464843.41	3808061.91	0.64639	464863.41	3808061.91	0.62705
464883.41	3808061.91	0.60785	464903.41	3808061.91	0.58947
464923.41	3808061.91	0.57193	464943.41	3808061.91	0.55530
464963.41	3808061.91	0.53941	464983.41	3808061.91	0.52410
465003.41	3808061.91	0.50883	465023.41		

3808061.91 0.49426
465043.41 3808061.91 0.48046 465063.41
3808061.91 0.46771
465083.41 3808061.91 0.45511 465103.41
3808061.91 0.44294
465123.41 3808061.91 0.43173 465143.41
3808061.91 0.42060
465163.41 3808061.91 0.40983 465183.41
3808061.91 0.39992
465203.41 3808061.91 0.39004 465223.41
3808061.91 0.38046
465243.41 3808061.91 0.37165 465263.41
3808061.91 0.36283
465283.41 3808061.91 0.35429 465303.41
3808061.91 0.34652
465323.41 3808061.91 0.33895 465343.41
3808061.91 0.33155
465363.41 3808061.91 0.32404 465383.41
3808061.91 0.31715
465403.41 3808061.91 0.31062 465423.41
3808061.91 0.30425
465443.41 3808061.91 0.29813 465463.41
3808061.91 0.29233
465483.41 3808061.91 0.28654 465503.41
3808061.91 0.28070
465523.41 3808061.91 0.27501 465543.41
3808061.91 0.26983
465563.41 3808061.91 0.26476 465583.41
3808061.91 0.25983
465603.41 3808061.91 0.25510 465623.41
3808061.91 0.25050
465643.41 3808061.91 0.24598 465663.41
3808061.91 0.24131
465683.41 3808061.91 0.23696 465703.41
3808061.91 0.23283
464823.41 3808081.91 0.68312 464843.41
3808081.91 0.66216
464863.41 3808081.91 0.64191 464883.41
3808081.91 0.62264
464903.41 3808081.91 0.60423 464923.41
3808081.91 0.58653
464943.41 3808081.91 0.56924 464963.41
3808081.91 0.55245
464983.41 3808081.91 0.53630 465003.41
3808081.91 0.52090
465023.41 3808081.91 0.50590 465043.41
3808081.91 0.49153
465063.41 3808081.91 0.47845 465083.41
3808081.91 0.46539
465103.41 3808081.91 0.45268 465123.41

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012
, L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020
, L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028
, L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465263.41	3808081.91	0.36989	465283.41	3808081.91	0.36132
465303.41	3808081.91	0.35332	465323.41	3808081.91	0.34537
465343.41	3808081.91	0.33760	465363.41	3808081.91	0.33013
465383.41	3808081.91	0.32311	465403.41	3808081.91	0.31637
465423.41	3808081.91	0.30960	465443.41	3808081.91	0.30325
465463.41	3808081.91	0.29757	465483.41	3808081.91	0.29143
465503.41	3808081.91	0.28551	465523.41	3808081.91	0.27978

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         465543.41    3808081.91        0.27421                    465563.41
3808081.91        0.26899
         465583.41    3808081.91        0.26399                    465603.41
3808081.91        0.25915
         465623.41    3808081.91        0.25444                    465643.41
3808081.91        0.24983
         465663.41    3808081.91        0.24520                    465683.41
3808081.91        0.24083
         465703.41    3808081.91        0.23661                    464843.41
3808101.91        0.67878
         464863.41    3808101.91        0.65785                    464883.41
3808101.91        0.63852
         464903.41    3808101.91        0.61980                    464923.41
3808101.91        0.60164
         464943.41    3808101.91        0.58368                    464963.41
3808101.91        0.56608
         464983.41    3808101.91        0.54916                    465003.41
3808101.91        0.53344
         465023.41    3808101.91        0.51806                    465043.41
3808101.91        0.50330
         465063.41    3808101.91        0.48959                    465083.41
3808101.91        0.47601
         465103.41    3808101.91        0.46282                    465123.41
3808101.91        0.45031
         465143.41    3808101.91        0.43874                    465163.41
3808101.91        0.42773
         465183.41    3808101.91        0.41649                    465203.41
3808101.91        0.40612
         465223.41    3808101.91        0.39627                    465243.41
3808101.91        0.38643
         465263.41    3808101.91        0.37734                    465283.41
3808101.91        0.36876
         465303.41    3808101.91        0.36038                    465323.41
3808101.91        0.35202
         465343.41    3808101.91        0.34391                    465363.41
3808101.91        0.33641
         465383.41    3808101.91        0.32924                    465403.41
3808101.91        0.32227
         465423.41    3808101.91        0.31515                    465443.41
3808101.91        0.30858
         465463.41    3808101.91        0.30295                    465483.41
3808101.91        0.29650
         465503.41    3808101.91        0.29047                    465523.41
3808101.91        0.28468
         465543.41    3808101.91        0.27882                    465563.41
3808101.91        0.27341
         465583.41    3808101.91        0.26830                    465603.41
3808101.91        0.26333
         465623.41    3808101.91        0.25851                    465643.41
3808101.91        0.25381
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*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465123.41	3808121.91	0.46058	465143.41	3808121.91	0.44881
465163.41	3808121.91	0.43741	465183.41	3808121.91	0.42580
465203.41	3808121.91	0.41472	465223.41		

3808121.91 0.40421
465243.41 3808121.91 0.39457 465263.41
3808121.91 0.38536
465283.41 3808121.91 0.37642 465303.41
3808121.91 0.36730
465323.41 3808121.91 0.35886 465343.41
3808121.91 0.35080
465363.41 3808121.91 0.34262 465383.41
3808121.91 0.33512
465403.41 3808121.91 0.32803 465423.41
3808121.91 0.32112
465443.41 3808121.91 0.31448 465463.41
3808121.91 0.30820
465483.41 3808121.91 0.30193 465503.41
3808121.91 0.29561
465523.41 3808121.91 0.28944 465543.41
3808121.91 0.28376
465563.41 3808121.91 0.27831 465583.41
3808121.91 0.27305
465603.41 3808121.91 0.26794 465623.41
3808121.91 0.26299
465643.41 3808121.91 0.25811 465663.41
3808121.91 0.25308
465683.41 3808121.91 0.24843 465703.41
3808121.91 0.24404
464883.41 3808141.91 0.67381 464903.41
3808141.91 0.65355
464923.41 3808141.91 0.63365 464943.41
3808141.91 0.61423
464963.41 3808141.91 0.59573 464983.41
3808141.91 0.57794
465003.41 3808141.91 0.56019 465023.41
3808141.91 0.54388
465043.41 3808141.91 0.52847 465063.41
3808141.91 0.51298
465083.41 3808141.91 0.49816 465103.41
3808141.91 0.48412
465123.41 3808141.91 0.47144 465143.41
3808141.91 0.45897
465163.41 3808141.91 0.44689 465183.41
3808141.91 0.43532
465203.41 3808141.91 0.42394 465223.41
3808141.91 0.41300
465243.41 3808141.91 0.40315 465263.41
3808141.91 0.39339
465283.41 3808141.91 0.38390 465303.41
3808141.91 0.37478
465323.41 3808141.91 0.36597 465343.41
3808141.91 0.35749
465363.41 3808141.91 0.34933 465383.41

3808141.91   0.34169
         465403.41   3808141.91   0.33434   465423.41
3808141.91   0.32698
         465443.41   3808141.91   0.32007   465463.41
3808141.91   0.31352
         465483.41   3808141.91   0.30716   465503.41
3808141.91   0.30083
         465523.41   3808141.91   0.29462   465543.41
3808141.91   0.28858
         465563.41   3808141.91   0.28292   465583.41
3808141.91   0.27753
         465603.41   3808141.91   0.27229   465623.41
3808141.91   0.26721
         465643.41   3808141.91   0.26224   465663.41
3808141.91   0.25724
         465683.41   3808141.91   0.25238   465703.41
3808141.91   0.24769
         464883.41   3808161.91   0.69170   464903.41
3808161.91   0.67141
         464923.41   3808161.91   0.65117   464943.41
3808161.91   0.63091
         464963.41   3808161.91   0.61163   464983.41
3808161.91   0.59314
         465003.41   3808161.91   0.57487   465023.41
3808161.91   0.55784

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
                                 INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465043.41	3808161.91	0.54166	465063.41	3808161.91	0.52557
465083.41	3808161.91	0.51031	465103.41	3808161.91	0.49589
465123.41	3808161.91	0.48255	465143.41	3808161.91	0.46939
465163.41	3808161.91	0.45672	465183.41	3808161.91	0.44501
465203.41	3808161.91	0.43341	465223.41	3808161.91	0.42221
465243.41	3808161.91	0.41186	465263.41	3808161.91	0.40158
465283.41	3808161.91	0.39163	465303.41	3808161.91	0.38244
465323.41	3808161.91	0.37327	465343.41	3808161.91	0.36439
465363.41	3808161.91	0.35619	465383.41	3808161.91	0.34836
465403.41	3808161.91	0.34076	465423.41	3808161.91	0.33300
465443.41	3808161.91	0.32584	465463.41	3808161.91	0.31907
465483.41	3808161.91	0.31242	465503.41	3808161.91	0.30607
465523.41	3808161.91	0.29987	465543.41	3808161.91	0.29351
465563.41	3808161.91	0.28765	465583.41	3808161.91	0.28211
465603.41	3808161.91	0.27673	465623.41	3808161.91	0.27146
465643.41	3808161.91	0.26633	465663.41	3808161.91	0.26143
465683.41	3808161.91	0.25642	465703.41	3808161.91	0.25149
464903.41	3808181.91	0.68959	464923.41	3808181.91	0.66858
464943.41	3808181.91	0.64748	464963.41	3808181.91	0.62742
464983.41	3808181.91	0.60830	465003.41	3808181.91	0.58998
465023.41	3808181.91	0.57201	465043.41	3808181.91	0.55462
465063.41	3808181.91	0.53789	465083.41	3808181.91	0.52251
465103.41	3808181.91	0.50797	465123.41	3808181.91	0.49347

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         465143.41    3808181.91        0.48007                        465163.41
3808181.91        0.46735
         465183.41    3808181.91        0.45460                        465203.41
3808181.91        0.44281
         465223.41    3808181.91        0.43161                        465243.41
3808181.91        0.42033
         465263.41    3808181.91        0.40990                        465283.41
3808181.91        0.39998
         465303.41    3808181.91        0.38995                        465323.41
3808181.91        0.38069
         465343.41    3808181.91        0.37185                        465363.41
3808181.91        0.36289
         465383.41    3808181.91        0.35469                        465403.41
3808181.91        0.34694
         465423.41    3808181.91        0.33939                        465443.41
3808181.91        0.33216
         465463.41    3808181.91        0.32511                        465483.41
3808181.91        0.31785
         465503.41    3808181.91        0.31119                        465523.41
3808181.91        0.30491
         465543.41    3808181.91        0.29874                        465563.41
3808181.91        0.29283
         465583.41    3808181.91        0.28713                        465603.41
3808181.91        0.28160
         465623.41    3808181.91        0.27595                        465643.41
3808181.91        0.27042
         465663.41    3808181.91        0.26539                        465683.41
3808181.91        0.26047
         465703.41    3808181.91        0.25562                        464923.41
3808201.91        0.68553
         464943.41    3808201.91        0.66433                        464963.41
3808201.91        0.64369
         464983.41    3808201.91        0.62383                        465003.41
3808201.91        0.60492
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 192
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
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L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465023.41	3808201.91	0.58617	465043.41	3808201.91	0.56803
465063.41	3808201.91	0.55123	465083.41	3808201.91	0.53515
465103.41	3808201.91	0.51978	465123.41	3808201.91	0.50515
465143.41	3808201.91	0.49112	465163.41	3808201.91	0.47768
465183.41	3808201.91	0.46485	465203.41	3808201.91	0.45252
465223.41	3808201.91	0.44069	465243.41	3808201.91	0.42938
465263.41	3808201.91	0.41848	465283.41	3808201.91	0.40802
465303.41	3808201.91	0.39798	465323.41	3808201.91	0.38830
465343.41	3808201.91	0.37899	465363.41	3808201.91	0.37005
465383.41	3808201.91	0.36141	465403.41	3808201.91	0.35314
465423.41	3808201.91	0.34547	465443.41	3808201.91	0.33806
465463.41	3808201.91	0.33085	465483.41	3808201.91	0.32363
465503.41	3808201.91	0.31686	465523.41	3808201.91	0.31039
465543.41	3808201.91	0.30414	465563.41	3808201.91	0.29788
465583.41	3808201.91	0.29179	465603.41	3808201.91	0.28612
465623.41	3808201.91	0.28045	465643.41	3808201.91	0.27493
465663.41	3808201.91	0.26977	465683.41	3808201.91	0.26459
465703.41	3808201.91	0.25950	464943.41	3808221.91	0.68154
464963.41	3808221.91	0.66036	464983.41		

3808221.91 0.63969
  465003.41 3808221.91 0.62003 465023.41
3808221.91 0.60067
  465043.41 3808221.91 0.58206 465063.41
3808221.91 0.56491
  465083.41 3808221.91 0.54792 465103.41
3808221.91 0.53163
  465123.41 3808221.91 0.51696 465143.41
3808221.91 0.50237
  465163.41 3808221.91 0.48827 465183.41
3808221.91 0.47525
  465203.41 3808221.91 0.46238 465223.41
3808221.91 0.44998
  465243.41 3808221.91 0.43854 465263.41
3808221.91 0.42718
  465283.41 3808221.91 0.41621 465303.41
3808221.91 0.40609
  465323.41 3808221.91 0.39601 465343.41
3808221.91 0.38626
  465363.41 3808221.91 0.37726 465383.41
3808221.91 0.36828
  465403.41 3808221.91 0.35959 465423.41
3808221.91 0.35169
  465443.41 3808221.91 0.34407 465463.41
3808221.91 0.33670
  465483.41 3808221.91 0.32958 465503.41
3808221.91 0.32262
  465523.41 3808221.91 0.31587 465543.41
3808221.91 0.30944
  465563.41 3808221.91 0.30290 465583.41
3808221.91 0.29651
  465603.41 3808221.91 0.29069 465623.41
3808221.91 0.28498
  465643.41 3808221.91 0.27944 465663.41
3808221.91 0.27414
  465683.41 3808221.91 0.26873 465703.41
3808221.91 0.26342
  464963.41 3808241.91 0.67737 464983.41
3808241.91 0.65585
  465003.41 3808241.91 0.63541 465023.41
3808241.91 0.61582
  465043.41 3808241.91 0.59699 465063.41
3808241.91 0.57833

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***

INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 , L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 , L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 , L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465083.41	3808241.91	0.56046	465103.41	3808241.91	0.54355
465123.41	3808241.91	0.52836	465143.41	3808241.91	0.51371
465163.41	3808241.91	0.49955	465183.41	3808241.91	0.48537
465203.41	3808241.91	0.47230	465223.41	3808241.91	0.45989
465243.41	3808241.91	0.44741	465263.41	3808241.91	0.43590
465283.41	3808241.91	0.42496	465303.41	3808241.91	0.41391
465323.41	3808241.91	0.40372	465343.41	3808241.91	0.39402
465363.41	3808241.91	0.38420	465383.41	3808241.91	0.37513
465403.41	3808241.91	0.36660	465423.41	3808241.91	0.35846
465443.41	3808241.91	0.35059	465463.41	3808241.91	0.34300
465483.41	3808241.91	0.33567	465503.41	3808241.91	0.32821
465523.41	3808241.91	0.32093	465543.41	3808241.91	0.31433
465563.41	3808241.91	0.30789	465583.41	3808241.91	0.30164
465603.41	3808241.91	0.29566	465623.41	3808241.91	0.28955

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        465643.41    3808241.91        0.28357                    465663.41
3808241.91        0.27814
        465683.41    3808241.91        0.27284                    465703.41
3808241.91        0.26760
        464983.41    3808261.91        0.66978                    465003.41
3808261.91        0.64946
        465023.41    3808261.91        0.62959                    465043.41
3808261.91        0.61030
        465063.41    3808261.91        0.59145                    465083.41
3808261.91        0.57350
        465103.41    3808261.91        0.55638                    465123.41
3808261.91        0.53998
        465143.41    3808261.91        0.52475                    465163.41
3808261.91        0.51028
        465183.41    3808261.91        0.49603                    465203.41
3808261.91        0.48236
        465223.41    3808261.91        0.46927                    465243.41
3808261.91        0.45676
        465263.41    3808261.91        0.44508                    465283.41
3808261.91        0.43385
        465303.41    3808261.91        0.42232                    465323.41
3808261.91        0.41153
        465343.41    3808261.91        0.40131                    465363.41
3808261.91        0.39151
        465383.41    3808261.91        0.38206                    465403.41
3808261.91        0.37302
        465423.41    3808261.91        0.36464                    465443.41
3808261.91        0.35656
        465463.41    3808261.91        0.34877                    465483.41
3808261.91        0.34124
        465503.41    3808261.91        0.33375                    465523.41
3808261.91        0.32647
        465543.41    3808261.91        0.31969                    465563.41
3808261.91        0.31291
        465583.41    3808261.91        0.30632                    465603.41
3808261.91        0.30019
        465623.41    3808261.91        0.29406                    465643.41
3808261.91        0.28805
        465663.41    3808261.91        0.28221                    465683.41
3808261.91        0.27674
        465703.41    3808261.91        0.27147                    465003.41
3808281.91        0.66308
        465023.41    3808281.91        0.64291                    465043.41
3808281.91        0.62330
        465063.41    3808281.91        0.60417                    465083.41
3808281.91        0.58629
        465103.41    3808281.91        0.56920                    465123.41
3808281.91        0.55188
        465143.41    3808281.91        0.53599                    465163.41
3808281.91        0.52109
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
                                   INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465223.41   3808281.91   0.47872   465243.41
3808281.91   0.46629
         465263.41   3808281.91   0.45423   465283.41
3808281.91   0.44248
         465303.41   3808281.91   0.43059   465323.41
3808281.91   0.41930
         465343.41   3808281.91   0.40861   465363.41
3808281.91   0.39877
         465383.41   3808281.91   0.38895   465403.41
3808281.91   0.37944
         465423.41   3808281.91   0.37068   465443.41
3808281.91   0.36232
         465463.41   3808281.91   0.35454   465483.41
3808281.91   0.34681
         465503.41   3808281.91   0.33934   465523.41
3808281.91   0.33210
         465543.41   3808281.91   0.32501   465563.41
3808281.91   0.31789
         465583.41   3808281.91   0.31099   465603.41

3808281.91 0.30470
465623.41 3808281.91 0.29854 465643.41
3808281.91 0.29249
465663.41 3808281.91 0.28634 465683.41
3808281.91 0.28062
465703.41 3808281.91 0.27521 465003.41
3808301.91 0.67683
465023.41 3808301.91 0.65645 465043.41
3808301.91 0.63690
465063.41 3808301.91 0.61607 465083.41
3808301.91 0.59799
465103.41 3808301.91 0.58126 465123.41
3808301.91 0.56419
465143.41 3808301.91 0.54801 465163.41
3808301.91 0.53243
465183.41 3808301.91 0.51674 465203.41
3808301.91 0.50229
465223.41 3808301.91 0.48876 465243.41
3808301.91 0.47591
465263.41 3808301.91 0.46301 465283.41
3808301.91 0.45037
465303.41 3808301.91 0.43812 465323.41
3808301.91 0.42692
465343.41 3808301.91 0.41632 465363.41
3808301.91 0.40559
465383.41 3808301.91 0.39570 465403.41
3808301.91 0.38629
465423.41 3808301.91 0.37673 465443.41
3808301.91 0.36801
465463.41 3808301.91 0.36077 465483.41
3808301.91 0.35282
465503.41 3808301.91 0.34514 465523.41
3808301.91 0.33763
465543.41 3808301.91 0.32992 465563.41
3808301.91 0.32278
465583.41 3808301.91 0.31604 465603.41
3808301.91 0.30959
465623.41 3808301.91 0.30301 465643.41
3808301.91 0.29657
465663.41 3808301.91 0.29065 465683.41
3808301.91 0.28467
465703.41 3808301.91 0.27883 465043.41
3808321.91 0.64931
465063.41 3808321.91 0.62932 465083.41
3808321.91 0.61068
465103.41 3808321.91 0.59297 465123.41
3808321.91 0.57554
465143.41 3808321.91 0.55890 465163.41
3808321.91 0.54291
465183.41 3808321.91 0.52720 465203.41

3808321.91 0.51254
 465223.41 3808321.91 0.49859 465243.41
3808321.91 0.48476
 465263.41 3808321.91 0.47122 465283.41
3808321.91 0.45819
 465303.41 3808321.91 0.44612 465323.41
3808321.91 0.43451
 465343.41 3808321.91 0.42337 465363.41
3808321.91 0.41270
 465383.41 3808321.91 0.40242 465403.41
3808321.91 0.39254

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
 L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
 L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
 L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465423.41	3808321.91	0.38306	465443.41	3808321.91	0.37420
465463.41	3808321.91	0.36633	465483.41	3808321.91	0.35818
465503.41	3808321.91	0.35032	465523.41	3808321.91	0.34267
465543.41	3808321.91	0.33502	465563.41	3808321.91	0.32785
465583.41	3808321.91	0.32096	465603.41	3808321.91	0.31403

```
         465623.41    3808321.91        0.30736                    465643.41
3808321.91        0.30091
         465663.41    3808321.91        0.29464                    465683.41
3808321.91        0.28860
         465703.41    3808321.91        0.28275                    465083.41
3808341.91        0.62315
         465103.41    3808341.91        0.60436                    465123.41
3808341.91        0.58669
         465143.41    3808341.91        0.56964                    465163.41
3808341.91        0.55328
         465183.41    3808341.91        0.53765                    465203.41
3808341.91        0.52256
         465223.41    3808341.91        0.50795                    465243.41
3808341.91        0.49344
         465263.41    3808341.91        0.47940                    465283.41
3808341.91        0.46606
         465303.41    3808341.91        0.45395                    465323.41
3808341.91        0.44178
         465343.41    3808341.91        0.43005                    465363.41
3808341.91        0.41955
         465383.41    3808341.91        0.40898                    465403.41
3808341.91        0.39869
         465423.41    3808341.91        0.38921                    465443.41
3808341.91        0.38019
         465463.41    3808341.91        0.37179                    465483.41
3808341.91        0.36345
         465503.41    3808341.91        0.35541                    465523.41
3808341.91        0.34762
         465543.41    3808341.91        0.33999                    465563.41
3808341.91        0.33272
         465583.41    3808341.91        0.32563                    465603.41
3808341.91        0.31836
         465623.41    3808341.91        0.31160                    465643.41
3808341.91        0.30512
         465663.41    3808341.91        0.29856                    465683.41
3808341.91        0.29244
         465703.41    3808341.91        0.28658                    465103.41
3808361.91        0.61545
         465123.41    3808361.91        0.59824                    465143.41
3808361.91        0.58097
         465163.41    3808361.91        0.56410                    465183.41
3808361.91        0.54800
         465203.41    3808361.91        0.53193                    465223.41
3808361.91        0.51642
         465243.41    3808361.91        0.50226                    465263.41
3808361.91        0.48809
         465283.41    3808361.91        0.47425                    465303.41
3808361.91        0.46111
         465323.41    3808361.91        0.44845                    465343.41
3808361.91        0.43642
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         465363.41    3808361.91        0.42569                       465383.41
3808361.91        0.41528
         465403.41    3808361.91        0.40513                       465423.41
3808361.91        0.39483
         465443.41    3808361.91        0.38544                       465463.41
3808361.91        0.37766
         465483.41    3808361.91        0.36911                       465503.41
3808361.91        0.36088
         465523.41    3808361.91        0.35282                       465543.41
3808361.91        0.34455
         465563.41    3808361.91        0.33697                       465583.41
3808361.91        0.32983
         465603.41    3808361.91        0.32284                       465623.41
3808361.91        0.31578
         465643.41    3808361.91        0.30891                       465663.41
3808361.91        0.30261
         465683.41    3808361.91        0.29623                       465703.41
3808361.91        0.29000
         465183.41    3808381.91        0.55620                       465203.41
3808381.91        0.53988
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 196
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         465223.41    3808381.91        0.52430                       465243.41
```

3808381.91 0.50934
465263.41 3808381.91 0.49470 465283.41
3808381.91 0.48061
465303.41 3808381.91 0.46762 465323.41
3808381.91 0.45480
465343.41 3808381.91 0.44250 465363.41
3808381.91 0.43155
465383.41 3808381.91 0.42101 465403.41
3808381.91 0.41081
465423.41 3808381.91 0.40064 465443.41
3808381.91 0.39114
465463.41 3808381.91 0.38272 465483.41
3808381.91 0.37400
465503.41 3808381.91 0.36559 465523.41
3808381.91 0.35742
465543.41 3808381.91 0.34926 465563.41
3808381.91 0.34136
465583.41 3808381.91 0.33380 465603.41
3808381.91 0.32678
465623.41 3808381.91 0.31978 465643.41
3808381.91 0.31292
465663.41 3808381.91 0.30627 465683.41
3808381.91 0.29985
465703.41 3808381.91 0.29364 465303.41
3808401.91 0.47339
465323.41 3808401.91 0.46062 465343.41
3808401.91 0.44826
465363.41 3808401.91 0.43709 465383.41
3808401.91 0.42636
465403.41 3808401.91 0.41604 465423.41
3808401.91 0.40611
465443.41 3808401.91 0.39655 465463.41
3808401.91 0.38735
465483.41 3808401.91 0.37848 465503.41
3808401.91 0.36993
465523.41 3808401.91 0.36167 465543.41
3808401.91 0.35371
465563.41 3808401.91 0.34563 465583.41
3808401.91 0.33777
465603.41 3808401.91 0.33062 465623.41
3808401.91 0.32362
465643.41 3808401.91 0.31675 465663.41
3808401.91 0.30980
465683.41 3808401.91 0.30333 465703.41
3808401.91 0.29713
465323.41 3808421.91 0.46562 465343.41
3808421.91 0.45367
465363.41 3808421.91 0.44231 465383.41
3808421.91 0.43139
465403.41 3808421.91 0.42089 465423.41

3808421.91   0.41080
         465443.41   3808421.91   0.40108   465463.41
3808421.91   0.39172
         465483.41   3808421.91   0.38270   465503.41
3808421.91   0.37401
         465523.41   3808421.91   0.36563   465543.41
3808421.91   0.35754
         465563.41   3808421.91   0.34967   465583.41
3808421.91   0.34205
         465603.41   3808421.91   0.33477   465623.41
3808421.91   0.32734
         465643.41   3808421.91   0.32009   465663.41
3808421.91   0.31344
         465683.41   3808421.91   0.30671   465703.41
3808421.91   0.30015
         465323.41   3808441.91   0.47068   465343.41
3808441.91   0.45877
         465363.41   3808441.91   0.44780   465383.41
3808441.91   0.43688
         465403.41   3808441.91   0.42619   465423.41
3808441.91   0.41591
         465443.41   3808441.91   0.40602   465463.41
3808441.91   0.39650
         465483.41   3808441.91   0.38733   465503.41
3808441.91   0.37849
         465523.41   3808441.91   0.36996   465543.41
3808441.91   0.36174
         465563.41   3808441.91   0.35380   465583.41
3808441.91   0.34613

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
                                 INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                 L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                 L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                 L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465603.41	3808441.91	0.33873	465623.41	3808441.91	0.33112
465643.41	3808441.91	0.32362	465663.41	3808441.91	0.31662
465683.41	3808441.91	0.30988	465703.41	3808441.91	0.30342
465343.41	3808461.91	0.46339	465363.41	3808461.91	0.45260
465383.41	3808461.91	0.44175	465403.41	3808461.91	0.43107
465423.41	3808461.91	0.42063	465443.41	3808461.91	0.41059
465463.41	3808461.91	0.40093	465483.41	3808461.91	0.39162
465503.41	3808461.91	0.38275	465523.41	3808461.91	0.37421
465543.41	3808461.91	0.36586	465563.41	3808461.91	0.35779
465583.41	3808461.91	0.35001	465603.41	3808461.91	0.34248
465623.41	3808461.91	0.33476	465643.41	3808461.91	0.32709
465663.41	3808461.91	0.31968	465683.41	3808461.91	0.31296
465703.41	3808461.91	0.30664	465343.41	3808481.91	0.46739
465363.41	3808481.91	0.45573	465383.41	3808481.91	0.44507
465403.41	3808481.91	0.43488	465423.41	3808481.91	0.42432
465443.41	3808481.91	0.41417	465463.41	3808481.91	0.40440
465483.41	3808481.91	0.39498	465503.41	3808481.91	0.38640
465523.41	3808481.91	0.37821	465543.41	3808481.91	0.36973
465563.41	3808481.91	0.36155	465583.41	3808481.91	0.35366
465603.41	3808481.91	0.34603	465623.41	3808481.91	0.33820
465643.41	3808481.91	0.33043	465663.41	3808481.91	0.32292

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         465683.41    3808481.91        0.31611                        465703.41
3808481.91        0.30962
         465463.41    3808501.91        0.40817                        465483.41
3808501.91        0.39818
         465503.41    3808501.91        0.38946                        465523.41
3808501.91        0.38130
         465543.41    3808501.91        0.37274                        465563.41
3808501.91        0.36474
         465583.41    3808501.91        0.35701                        465603.41
3808501.91        0.34892
         465623.41    3808501.91        0.34113                        465643.41
3808501.91        0.33356
         465663.41    3808501.91        0.32596                        465683.41
3808501.91        0.31907
         465703.41    3808501.91        0.31248                        465523.41
3808521.91        0.38389
         465543.41    3808521.91        0.37527                        465563.41
3808521.91        0.36747
         465583.41    3808521.91        0.35992                        465603.41
3808521.91        0.35155
         465623.41    3808521.91        0.34376                        465643.41
3808521.91        0.33630
         465663.41    3808521.91        0.32876                        465683.41
3808521.91        0.32174
         465703.41    3808521.91        0.31502                        464239.31
3809562.31        0.82110
         464277.31    3809562.31        0.78727                        463745.31
3809591.37        0.97780
         463783.31    3809591.37        0.98225                        463821.31
3809591.37        0.98485
         463859.31    3809591.37        0.99229                        463897.31
3809591.37        0.99826
         463935.31    3809591.37        0.99592                        464239.31
3809591.37        0.79156
         464277.31    3809591.37        0.75934                        463745.31
3809620.43        0.93129
         463783.31    3809620.43        0.93623                        463821.31
3809620.43        0.94179
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 198
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
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                 L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                 L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                 L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         463859.31    3809620.43        0.94552                       463897.31
3809620.43        0.94981
         463935.31    3809620.43        0.94994                       463973.31
3809620.43        0.93930
         464011.31    3809620.43        0.92232                       464049.31
3809620.43        0.89955
         464087.31    3809620.43        0.87354                       464125.31
3809620.43        0.84774
         464163.31    3809620.43        0.82026                       464201.31
3809620.43        0.79016
         464239.31    3809620.43        0.76261                       464277.31
3809620.43        0.73258
         463745.31    3809649.49        0.88721                       463783.31
3809649.49        0.89560
         463821.31    3809649.49        0.89948                       463859.31
3809649.49        0.90227
         463897.31    3809649.49        0.90470                       463935.31
3809649.49        0.90461
         463973.31    3809649.49        0.89253                       464011.31
3809649.49        0.87986
         464049.31    3809649.49        0.86236                       464087.31
3809649.49        0.83818
         464125.31    3809649.49        0.81592                       464163.31
3809649.49        0.78937
         464201.31    3809649.49        0.76292                       464239.31
3809649.49        0.73622
         464277.31    3809649.49        0.70761                       464315.31
3809649.49        0.67898
         464353.31    3809649.49        0.65309                       464391.31
3809649.49        0.62797
         464429.31    3809649.49        0.60298                       464467.31
3809649.49        0.58005
         464505.31    3809649.49        0.55816                       463745.31
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3809678.55        0.84407
         463783.31    3809678.55        0.85267                        463821.31
3809678.55        0.86036
         463859.31    3809678.55        0.86072                        463897.31
3809678.55        0.86267
         463935.31    3809678.55        0.86322                        463973.31
3809678.55        0.85393
         464011.31    3809678.55        0.84048                        464049.31
3809678.55        0.82748
         464087.31    3809678.55        0.80795                        464125.31
3809678.55        0.78590
         464163.31    3809678.55        0.76149                        464201.31
3809678.55        0.73772
         464239.31    3809678.55        0.71047                        464277.31
3809678.55        0.68366
         464315.31    3809678.55        0.65734                        464353.31
3809678.55        0.63314
         464391.31    3809678.55        0.60896                        464429.31
3809678.55        0.58481
         464467.31    3809678.55        0.56348                        464505.31
3809678.55        0.54138
         463745.31    3809707.61        0.80634                        463783.31
3809707.61        0.81331
         463821.31    3809707.61        0.82014                        463859.31
3809707.61        0.82362
         463897.31    3809707.61        0.82380                        463935.31
3809707.61        0.82430
         463973.31    3809707.61        0.81790                        464011.31
3809707.61        0.80626
         464049.31    3809707.61        0.79478                        464087.31
3809707.61        0.77747
         464125.31    3809707.61        0.75764                        464163.31
3809707.61        0.73622
         464201.31    3809707.61        0.71145                        464239.31
3809707.61        0.68681
         464277.31    3809707.61        0.66127                        464315.31
3809707.61        0.63761
         464353.31    3809707.61        0.61250                        464391.31
3809707.61        0.59006
         464429.31    3809707.61        0.56704                        464467.31
3809707.61        0.54627
         464505.31    3809707.61        0.52658                        463745.31
3809736.67        0.77415
         463783.31    3809736.67        0.77732                        463821.31
3809736.67        0.78058
         463859.31    3809736.67        0.78506                        463897.31
3809736.67        0.78712
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 , L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 , L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 , L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463935.31	3809736.67	0.78554	463973.31	3809736.67	0.78358
464011.31	3809736.67	0.77672	464049.31	3809736.67	0.76417
464087.31	3809736.67	0.75039	464125.31	3809736.67	0.73219
464163.31	3809736.67	0.71245	464201.31	3809736.67	0.68810
464239.31	3809736.67	0.66537	464277.31	3809736.67	0.64105
464315.31	3809736.67	0.61717	464353.31	3809736.67	0.59420
464391.31	3809736.67	0.57240	464429.31	3809736.67	0.55048
464467.31	3809736.67	0.53103	464505.31	3809736.67	0.51260
463745.31	3809765.73	0.74470	463783.31	3809765.73	0.74635
463821.31	3809765.73	0.74743	463859.31	3809765.73	0.75000
463897.31	3809765.73	0.75288	463935.31	3809765.73	0.74969
463973.31	3809765.73	0.74536	464011.31	3809765.73	0.74576

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        464049.31    3809765.73        0.73768                    464087.31
3809765.73        0.72403
        464125.31    3809765.73        0.70858                    464163.31
3809765.73        0.68991
        464201.31    3809765.73        0.66683                    464239.31
3809765.73        0.64527
        464277.31    3809765.73        0.62216                    464315.31
3809765.73        0.59868
        464353.31    3809765.73        0.57736                    464391.31
3809765.73        0.55530
        464429.31    3809765.73        0.53548                    464467.31
3809765.73        0.51715
        464505.31    3809765.73        0.49803                    463745.31
3809794.79        0.71725
        463783.31    3809794.79        0.71630                    463821.31
3809794.79        0.71677
        463859.31    3809794.79        0.71700                    463897.31
3809794.79        0.71883
        463935.31    3809794.79        0.71579                    463973.31
3809794.79        0.71158
        464011.31    3809794.79        0.71149                    464049.31
3809794.79        0.71136
        464087.31    3809794.79        0.69942                    464125.31
3809794.79        0.68413
        464163.31    3809794.79        0.66650                    464201.31
3809794.79        0.64651
        464239.31    3809794.79        0.62485                    464277.31
3809794.79        0.60312
        464315.31    3809794.79        0.58151                    464353.31
3809794.79        0.55983
        464391.31    3809794.79        0.53982                    464429.31
3809794.79        0.52141
        464467.31    3809794.79        0.50245                    464505.31
3809794.79        0.48484
        463745.31    3809823.85        0.69151                    463783.31
3809823.85        0.68850
        463821.31    3809823.85        0.68559                    463859.31
3809823.85        0.68611
        463897.31    3809823.85        0.68619                    463935.31
3809823.85        0.68335
        463973.31    3809823.85        0.68040                    464011.31
3809823.85        0.67859
        464049.31    3809823.85        0.67960                    464087.31
3809823.85        0.67427
        464125.31    3809823.85        0.66180                    464163.31
3809823.85        0.64512
        464201.31    3809823.85        0.62556                    464239.31
3809823.85        0.60593
        464277.31    3809823.85        0.58538                    464315.31
3809823.85        0.56389
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                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
                             INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        463783.31   3809852.91   0.66518   463821.31
3809852.91   0.65909
        463859.31   3809852.91   0.65822   463897.31
3809852.91   0.65603
        463935.31   3809852.91   0.65332   463973.31
3809852.91   0.65111
        464011.31   3809852.91   0.64842   464049.31
3809852.91   0.64821
        464087.31   3809852.91   0.64471   464125.31
3809852.91   0.63586
        464163.31   3809852.91   0.62097   464201.31
3809852.91   0.60301
        464239.31   3809852.91   0.58554   464277.31
3809852.91   0.56693
        464315.31   3809852.91   0.54744   464353.31

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3809852.91        0.52796
         464391.31    3809852.91        0.51013                   464429.31
3809852.91        0.49266
         464467.31    3809852.91        0.47540                   464505.31
3809852.91        0.45911
         463745.31    3809881.97        0.64772                   463783.31
3809881.97        0.64293
         463821.31    3809881.97        0.63678                   463859.31
3809881.97        0.63352
         463897.31    3809881.97        0.62934                   463935.31
3809881.97        0.62536
         463973.31    3809881.97        0.62431                   464011.31
3809881.97        0.62186
         464049.31    3809881.97        0.62012                   464087.31
3809881.97        0.61560
         464125.31    3809881.97        0.60808                   464163.31
3809881.97        0.59478
         464201.31    3809881.97        0.58053                   464239.31
3809881.97        0.56405
         464277.31    3809881.97        0.54790                   464315.31
3809881.97        0.53132
         464353.31    3809881.97        0.51314                   464391.31
3809881.97        0.49647
         464429.31    3809881.97        0.47957                   464467.31
3809881.97        0.46280
         464505.31    3809881.97        0.44789                   463745.31
3809911.03        0.62673
         463783.31    3809911.03        0.62085                   463821.31
3809911.03        0.61610
         463859.31    3809911.03        0.61142                   463897.31
3809911.03        0.60663
         463935.31    3809911.03        0.60145                   463973.31
3809911.03        0.59927
         464011.31    3809911.03        0.59682                   464049.31
3809911.03        0.59522
         464087.31    3809911.03        0.59065                   464125.31
3809911.03        0.58327
         464163.31    3809911.03        0.57248                   464201.31
3809911.03        0.56059
         464239.31    3809911.03        0.54538                   464277.31
3809911.03        0.53088
         464315.31    3809911.03        0.51507                   464353.31
3809911.03        0.49882
         464391.31    3809911.03        0.48287                   464429.31
3809911.03        0.46673
         464467.31    3809911.03        0.45155                   464505.31
3809911.03        0.43628
         463745.31    3809940.09        0.60599                   463783.31
3809940.09        0.59994
         463821.31    3809940.09        0.59603                   463859.31
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         464429.31   3809940.09   0.45504   464467.31
3809940.09   0.43995
         464505.31   3809940.09   0.42532   463745.31
3809969.15   0.59056
         463783.31   3809969.15   0.58182   463821.31
3809969.15   0.57664

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         463859.31    3809969.15        0.57168                    463897.31
3809969.15        0.56701
         463935.31    3809969.15        0.56219                    463973.31
3809969.15        0.55834
         464011.31    3809969.15        0.55234                    464049.31
3809969.15        0.54751
         464087.31    3809969.15        0.54356                    464125.31
3809969.15        0.53905
         464163.31    3809969.15        0.53256                    464201.31
3809969.15        0.52504
         464239.31    3809969.15        0.51453                    464277.31
3809969.15        0.50060
         464315.31    3809969.15        0.48680                    464353.31
3809969.15        0.47307
         464391.31    3809969.15        0.45842                    464429.31
3809969.15        0.44362
         464467.31    3809969.15        0.42865                    464505.31
3809969.15        0.41539
         463745.31    3809998.21        0.58078                    463783.31
3809998.21        0.56799
         463821.31    3809998.21        0.56039                    463859.31
3809998.21        0.55448
         463897.31    3809998.21        0.54960                    463935.31
3809998.21        0.54415
         463973.31    3809998.21        0.53997                    464011.31
3809998.21        0.53447
         464049.31    3809998.21        0.52906                    464087.31
3809998.21        0.52434
         464125.31    3809998.21        0.52067                    464163.31
3809998.21        0.51492
         464201.31    3809998.21        0.50775                    464239.31
3809998.21        0.49849
         464277.31    3809998.21        0.48712                    464315.31
3809998.21        0.47367
         464353.31    3809998.21        0.46067                    464391.31
3809998.21        0.44662
         464429.31    3809998.21        0.43222                    464467.31
3809998.21        0.41868
         464505.31    3809998.21        0.40521                    463745.31
3810027.27        0.57171
         463783.31    3810027.27        0.55713                    463821.31
3810027.27        0.54702
         463859.31    3810027.27        0.53965                    463897.31
3810027.27        0.53426
         463935.31    3810027.27        0.52764                    463973.31
3810027.27        0.52339
         464011.31    3810027.27        0.51806                    464049.31
3810027.27        0.51270
         464087.31    3810027.27        0.50680                    464125.31
3810027.27        0.50226
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         464163.31    3810027.27        0.49800                       464201.31
3810027.27        0.49168
         464239.31    3810027.27        0.48247                       464277.31
3810027.27        0.47267
         464315.31    3810027.27        0.46117                       464353.31
3810027.27        0.44842
         464391.31    3810027.27        0.43495                       464429.31
3810027.27        0.42183
         464467.31    3810027.27        0.40855                       464505.31
3810027.27        0.39520
         463745.31    3810056.33        0.56369                       463783.31
3810056.33        0.54728
         463821.31    3810056.33        0.53445                       463859.31
3810056.33        0.52630
         463897.31    3810056.33        0.51968                       463935.31
3810056.33        0.51300
         463973.31    3810056.33        0.50820                       464011.31
3810056.33        0.50256
         464049.31    3810056.33        0.49646                       464087.31
3810056.33        0.49071
         464125.31    3810056.33        0.48497                       464163.31
3810056.33        0.48091
         464201.31    3810056.33        0.47524                       464239.31
3810056.33        0.46775
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 202
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O  ***
                                 INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
```

Y-COORD (M) CONC

- - - -

3810114.45   0.37744
         464505.31   3810114.45   0.36665   463745.31
3810143.51   0.53206
         463783.31   3810143.51   0.52061   463821.31
3810143.51   0.50862
         463859.31   3810143.51   0.49697   463897.31
3810143.51   0.48411
         463935.31   3810143.51   0.47500   463973.31
3810143.51   0.46680
         464011.31   3810143.51   0.46107   464049.31
3810143.51   0.45348
         464087.31   3810143.51   0.44621   464125.31
3810143.51   0.44001
         464163.31   3810143.51   0.43430   464201.31
3810143.51   0.42851
         464239.31   3810143.51   0.42309   464277.31
3810143.51   0.41787
         464315.31   3810143.51   0.40887   464353.31
3810143.51   0.39786
         464391.31   3810143.51   0.38806   464429.31
3810143.51   0.37774
         464467.31   3810143.51   0.36775   464505.31
3810143.51   0.35768
         464383.78   3807479.29   0.32305   464355.03
3807405.24   0.29567
         464402.07   3807352.10   0.25745   464367.23
3807296.35   0.24499
         464358.52   3807237.99   0.22007   464385.52
3807161.33   0.19682
         463132.27   3810926.37   0.29061   463237.82
3811199.31   0.24031
         464944.35   3809244.89   0.53675   465700.32
3809255.46   0.29130

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                                     L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                                     L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                                     L0006032   , L0006033   , L0006034   , L0006035   , L0006036

, L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -

         465716.18   3808536.49   0.31224   465544.37
3808533.85   0.37623
         465420.13   3808486.27   0.42678   465348.77
3808491.56   0.46606
         465317.05   3808443.98   0.47512   465327.62
3808406.97   0.45928
         465108.23   3808369.97   0.61544   464999.86
3808301.24   0.68025
         464722.31   3807973.48   0.70016   464717.03
3807836.03   0.59620
         464344.33   3807936.47   1.12024   464349.61
3807780.52   0.96136
         464386.62   3807785.81   0.91688   464521.43
3807859.82   0.82760
         464537.28   3807719.72   0.54515   464426.27
3807613.99   0.44604
         464368.43   3807532.62   0.37871   464324.60
3807121.91   0.19426
         464123.31   3807123.54   0.22898   463930.13
3806909.26   0.15693
         463831.11   3806906.01   0.15856   463821.36
3806720.95   0.11699
         463727.21   3806727.44   0.11476   463598.97
3806334.59   0.06972
         463001.06   3806361.54   0.03664

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31 ***
                                  INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,

L0006361 , L0006362 , L0006363 , L0006364 , L0006365
, L0006366 , L0006367 , L0006368 ,
L0006369 , L0006370 , L0006371 , L0006372 , L0006373
, L0006374 , L0006375 , L0006376 ,
L0006377 , L0006378 , L0006379 , L0006380 , L0006381
, L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
462160.55	3809377.75	0.29277	462051.48	3809270.62	0.21614
462014.47	3809029.10	0.15476	462010.58	3808855.75	0.12295
461936.56	3808886.92	0.11158	461936.56	3808997.94	0.12646
461909.30	3808768.10	0.09040	461835.28	3808894.71	0.09585
461845.02	3808995.99	0.10847	461833.33	3809114.80	0.12545
461843.07	3809210.24	0.14240	461809.96	3809297.89	0.14857
461856.71	3809385.54	0.17325	461841.13	3809482.92	0.18762
462004.74	3809379.69	0.21975	461763.22	3808793.43	0.07294
461753.48	3808699.93	0.07216	461835.28	3808686.30	0.07623
461823.60	3808579.17	0.06831	461761.27	3808585.02	0.06346
462301.19	3807807.15	0.08199	462304.78	3807868.16	0.08704
462216.84	3807882.52	0.07935	462116.34	3807886.11	0.07113
462114.55	3807789.20	0.06496	462012.25	3807887.90	0.06345
462008.66	3807975.84	0.06669	461917.14	3807972.25	0.05905
461922.52	3808187.60	0.06585	461908.17	3808288.10	0.06771
461848.94	3808377.83	0.06622	461831.00	3808494.48	0.06762
462421.43	3808393.98	0.17292	462459.11		

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3808501.66        0.21007
         462437.58    3808580.62        0.21799                        462654.73
3809189.00        0.80835
         462559.49    3809194.32        0.61482                        465763.86
3807935.19        0.08321
         465819.84    3807935.19        0.08159                        465875.82
3807935.19        0.07989
         465931.80    3807935.19        0.07828                        465987.78
3807935.19        0.07715
         466043.76    3807935.19        0.07568                        466099.74
3807935.19        0.07450
         466155.72    3807935.19        0.07340                        466211.70
3807935.19        0.07250
         466267.68    3807935.19        0.07161                        466323.66
3807935.19        0.07158
         466379.64    3807935.19        0.07118                        466435.62
3807935.19        0.07035
         466491.60    3807935.19        0.06858                        466547.58
3807935.19        0.06682
         466603.56    3807935.19        0.06517                        466659.54
3807935.19        0.06358
         466715.52    3807935.19        0.06206                        466771.50
3807935.19        0.06058
         466827.48    3807935.19        0.05914                        466883.46
3807935.19        0.05777
         465763.86    3808001.41        0.08624                        465819.84
3808001.41        0.08433
         465875.82    3808001.41        0.08285                        465931.80
3808001.41        0.08140
         465987.78    3808001.41        0.07966                        466043.76
3808001.41        0.07853
         466099.74    3808001.41        0.07686                        466155.72
3808001.41        0.07568
         466211.70    3808001.41        0.07470                        466267.68
3808001.41        0.07376
         466323.66    3808001.41        0.07360                        466379.64
3808001.41        0.07382
         466435.62    3808001.41        0.07190                        466491.60
3808001.41        0.07006
         466547.58    3808001.41        0.06828                        466603.56
3808001.41        0.06659
         466659.54    3808001.41        0.06497                        466715.52
3808001.41        0.06334
         466771.50    3808001.41        0.06184                        466827.48
3808001.41        0.06039
         466883.46    3808001.41        0.05896                        465763.86
3808067.63        0.08932
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***

INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 , L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 , L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 , L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465819.84	3808067.63	0.08769	465875.82	3808067.63	0.08603
465931.80	3808067.63	0.08425	465987.78	3808067.63	0.08259
466043.76	3808067.63	0.08120	466099.74	3808067.63	0.08007
466155.72	3808067.63	0.07894	466211.70	3808067.63	0.07786
466267.68	3808067.63	0.07741	466323.66	3808067.63	0.07757
466379.64	3808067.63	0.07550	466435.62	3808067.63	0.07356
466491.60	3808067.63	0.07163	466547.58	3808067.63	0.06981
466603.56	3808067.63	0.06806	466659.54	3808067.63	0.06638
466715.52	3808067.63	0.06477	466771.50	3808067.63	0.06323
466827.48	3808067.63	0.06171	466883.46	3808067.63	0.06023
465763.86	3808133.85	0.09312	465819.84	3808133.85	0.09133
465875.82	3808133.85	0.08961	465931.80	3808133.85	0.08775

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         465987.78    3808133.85        0.08553                    466043.76
3808133.85        0.08432
         466099.74    3808133.85        0.08332                    466155.72
3808133.85        0.08212
         466211.70    3808133.85        0.08159                    466267.68
3808133.85        0.08112
         466323.66    3808133.85        0.07945                    466379.64
3808133.85        0.07734
         466435.62    3808133.85        0.07530                    466491.60
3808133.85        0.07335
         466547.58    3808133.85        0.07146                    466603.56
3808133.85        0.06967
         466659.54    3808133.85        0.06794                    466715.52
3808133.85        0.06627
         466771.50    3808133.85        0.06462                    466827.48
3808133.85        0.06309
         466883.46    3808133.85        0.06161                    465763.86
3808200.07        0.09722
         465819.84    3808200.07        0.09530                    465875.82
3808200.07        0.09349
         465931.80    3808200.07        0.09107                    465987.78
3808200.07        0.08965
         466043.76    3808200.07        0.08825                    466099.74
3808200.07        0.08688
         466155.72    3808200.07        0.08659                    466211.70
3808200.07        0.08616
         466267.68    3808200.07        0.08375                    466323.66
3808200.07        0.08149
         466379.64    3808200.07        0.07928                    466435.62
3808200.07        0.07717
         466491.60    3808200.07        0.07514                    466547.58
3808200.07        0.07320
         466603.56    3808200.07        0.07134                    466659.54
3808200.07        0.06954
         466715.52    3808200.07        0.06783                    466771.50
3808200.07        0.06616
         466827.48    3808200.07        0.06454                    466883.46
3808200.07        0.06301
         465763.86    3808266.29        0.10246                    465819.84
3808266.29        0.09959
         465875.82    3808266.29        0.09699                    465931.80
3808266.29        0.09534
         465987.78    3808266.29        0.09394                    466043.76
3808266.29        0.09275
         466099.74    3808266.29        0.09167                    466155.72
3808266.29        0.09107
         466211.70    3808266.29        0.08845                    466267.68
3808266.29        0.08598
         466323.66    3808266.29        0.08358                    466379.64
3808266.29        0.08134
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***

INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 ,
L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 ,
L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 ,
L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466771.50	3808266.29	0.06773	466827.48	3808266.29	0.06607
466883.46	3808266.29	0.06448	465763.86	3808332.51	0.10755
465819.84	3808332.51	0.10407	465875.82	3808332.51	0.10189
465931.80	3808332.51	0.10000	465987.78	3808332.51	0.09900
466043.76	3808332.51	0.09767	466099.74	3808332.51	0.09644
466155.72	3808332.51	0.09360	466211.70	3808332.51	0.09087
466267.68	3808332.51	0.08826	466323.66	3808332.51	0.08585
466379.64	3808332.51	0.08346	466435.62		

3808332.51 0.08118
466491.60 3808332.51 0.07899 466547.58
3808332.51 0.07689
466603.56 3808332.51 0.07496 466659.54
3808332.51 0.07304
466715.52 3808332.51 0.07119 466771.50
3808332.51 0.06935
466827.48 3808332.51 0.06765 466883.46
3808332.51 0.06601
465763.86 3808398.73 0.11305 465819.84
3808398.73 0.10962
465875.82 3808398.73 0.10717 465931.80
3808398.73 0.10562
465987.78 3808398.73 0.10401 466043.76
3808398.73 0.10230
466099.74 3808398.73 0.09921 466155.72
3808398.73 0.09622
466211.70 3808398.73 0.09336 466267.68
3808398.73 0.09074
466323.66 3808398.73 0.08814 466379.64
3808398.73 0.08566
466435.62 3808398.73 0.08333 466491.60
3808398.73 0.08107
466547.58 3808398.73 0.07890 466603.56
3808398.73 0.07683
466659.54 3808398.73 0.07484 466715.52
3808398.73 0.07291
466771.50 3808398.73 0.07107 466827.48
3808398.73 0.06929
466883.46 3808398.73 0.06759 465763.86
3808464.95 0.11838
465819.84 3808464.95 0.11552 465875.82
3808464.95 0.11361
465931.80 3808464.95 0.11230 465987.78
3808464.95 0.10870
466043.76 3808464.95 0.10532 466099.74
3808464.95 0.10204
466155.72 3808464.95 0.09891 466211.70
3808464.95 0.09594
466267.68 3808464.95 0.09319 466323.66
3808464.95 0.09048
466379.64 3808464.95 0.08795 466435.62
3808464.95 0.08549
466491.60 3808464.95 0.08318 466547.58
3808464.95 0.08092
466603.56 3808464.95 0.07875 466659.54
3808464.95 0.07668
466715.52 3808464.95 0.07469 466771.50
3808464.95 0.07279
466827.48 3808464.95 0.07096 466883.46

3808464.95   0.06920
         465763.86   3808531.17   0.12436   465819.84
3808531.17   0.12203
         465875.82   3808531.17   0.11959   465931.80
3808531.17   0.11559
         465987.78   3808531.17   0.11187   466043.76
3808531.17   0.10830
         466099.74   3808531.17   0.10492   466155.72
3808531.17   0.10167
         466211.70   3808531.17   0.09857   466267.68
3808531.17   0.09569
         466323.66   3808531.17   0.09292   466379.64
3808531.17   0.09025
         466435.62   3808531.17   0.08774   466491.60
3808531.17   0.08529

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31 ***
                                 INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                  L0006361   , L0006362   , L0006363   , L0006364   , L0006365
, L0006366   , L0006367   , L0006368   ,
                  L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                  L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         466547.58   3808531.17   0.08294   466603.56
3808531.17   0.08070
         466659.54   3808531.17   0.07854   466715.52
3808531.17   0.07649
         466771.50   3808531.17   0.07450   466827.48
3808531.17   0.07263

466883.46 3808531.17 0.07081 465763.86
3808597.39 0.13091
465819.84 3808597.39 0.12765 465875.82
3808597.39 0.12322
465931.80 3808597.39 0.11895 465987.78
3808597.39 0.11506
466043.76 3808597.39 0.11140 466099.74
3808597.39 0.10784
466155.72 3808597.39 0.10447 466211.70
3808597.39 0.10127
466267.68 3808597.39 0.09820 466323.66
3808597.39 0.09535
466379.64 3808597.39 0.09262 466435.62
3808597.39 0.08996
466491.60 3808597.39 0.08745 466547.58
3808597.39 0.08503
466603.56 3808597.39 0.08270 466659.54
3808597.39 0.08046
466715.52 3808597.39 0.07832 466771.50
3808597.39 0.07628
466827.48 3808597.39 0.07431 466883.46
3808597.39 0.07247
465763.86 3808663.61 0.13614 465819.84
3808663.61 0.13141
465875.82 3808663.61 0.12682 465931.80
3808663.61 0.12247
465987.78 3808663.61 0.11836 466043.76
3808663.61 0.11446
466099.74 3808663.61 0.11080 466155.72
3808663.61 0.10726
466211.70 3808663.61 0.10390 466267.68
3808663.61 0.10070
466323.66 3808663.61 0.09778 466379.64
3808663.61 0.09488
466435.62 3808663.61 0.09223 466491.60
3808663.61 0.08958
466547.58 3808663.61 0.08705 466603.56
3808663.61 0.08463
466659.54 3808663.61 0.08231 466715.52
3808663.61 0.08010
466771.50 3808663.61 0.07798 466827.48
3808663.61 0.07602
466883.46 3808663.61 0.07407 465763.86
3808729.83 0.14021
465819.84 3808729.83 0.13532 465875.82
3808729.83 0.13052
465931.80 3808729.83 0.12595 465987.78
3808729.83 0.12163
466043.76 3808729.83 0.11755 466099.74
3808729.83 0.11368

```
         466155.72    3808729.83        0.11001                       466211.70
3808729.83        0.10651
         466267.68    3808729.83        0.10319                       466323.66
3808729.83        0.10016
         466379.64    3808729.83        0.09720                       466435.62
3808729.83        0.09434
         466491.60    3808729.83        0.09167                       466547.58
3808729.83        0.08905
         466603.56    3808729.83        0.08654                       466659.54
3808729.83        0.08426
         466715.52    3808729.83        0.08196                       466771.50
3808729.83        0.07977
         466827.48    3808729.83        0.07771                       466883.46
3808729.83        0.07569
         465763.86    3808796.05        0.14400                       465819.84
3808796.05        0.13908
         465875.82    3808796.05        0.13399                       465931.80
3808796.05        0.12929
         465987.78    3808796.05        0.12481                       466043.76
3808796.05        0.12059
         466099.74    3808796.05        0.11659                       466155.72
3808796.05        0.11279
         466211.70    3808796.05        0.10918                       466267.68
3808796.05        0.10575
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 208
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                                 INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                  L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                  L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                  L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
```

Y-COORD (M) CONC

- - - -

```
3808928.49        0.09213
         466659.54    3808928.49        0.08951                        466715.52
3808928.49        0.08705
         466771.50    3808928.49        0.08466                        466827.48
3808928.49        0.08243
         466883.46    3808928.49        0.08024                        465763.86
3808994.71        0.15362
         465819.84    3808994.71        0.14786                        465875.82
3808994.71        0.14265
         465931.80    3808994.71        0.13790                        465987.78
3808994.71        0.13342
         466043.76    3808994.71        0.12886                        466099.74
3808994.71        0.12445
         466155.72    3808994.71        0.12023                        466211.70
3808994.71        0.11631
         466267.68    3808994.71        0.11257                        466323.66
3808994.71        0.10901
         466379.64    3808994.71        0.10563                        466435.62
3808994.71        0.10241
         466491.60    3808994.71        0.09940                        466547.58
3808994.71        0.09657
         466603.56    3808994.71        0.09379                        466659.54
3808994.71        0.09110
         466715.52    3808994.71        0.08867                        466771.50
3808994.71        0.08620
         466827.48    3808994.71        0.08384                        466883.46
3808994.71        0.08165
         465763.86    3809060.93        0.15688                        465819.84
3809060.93        0.15097
         465875.82    3809060.93        0.14558                        465931.80
3809060.93        0.14052
         465987.78    3809060.93        0.13574                        466043.76
3809060.93        0.13119
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 209
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                                  INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                  L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                  L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                  L0006377    , L0006378    , L0006379    , L0006380    , L0006381
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, L0006382   , L0006383   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466099.74	3809060.93	0.12660	466155.72	3809060.93	0.12239
466211.70	3809060.93	0.11833	466267.68	3809060.93	0.11452
466323.66	3809060.93	0.11089	466379.64	3809060.93	0.10743
466435.62	3809060.93	0.10423	466491.60	3809060.93	0.10115
466547.58	3809060.93	0.09815	466603.56	3809060.93	0.09533
466659.54	3809060.93	0.09270	466715.52	3809060.93	0.09007
466771.50	3809060.93	0.08757	466827.48	3809060.93	0.08520
466883.46	3809060.93	0.08296	465763.86	3809127.15	0.16009
465819.84	3809127.15	0.15410	465875.82	3809127.15	0.14852
465931.80	3809127.15	0.14318	465987.78	3809127.15	0.13814
466043.76	3809127.15	0.13314	466099.74	3809127.15	0.12842
466155.72	3809127.15	0.12407	466211.70	3809127.15	0.12023
466267.68	3809127.15	0.11644	466323.66	3809127.15	0.11276
466379.64	3809127.15	0.10920	466435.62	3809127.15	0.10587
466491.60	3809127.15	0.10269	466547.58	3809127.15	0.09968
466603.56	3809127.15	0.09683	466659.54	3809127.15	0.09403
466715.52	3809127.15	0.09140	466771.50	3809127.15	0.08887
466827.48	3809127.15	0.08643	466883.46	3809127.15	0.08415
465763.86	3809193.37	0.16270	465819.84	3809193.37	0.15677

```
         465875.82    3809193.37        0.15102                    465931.80
3809193.37        0.14553
         465987.78    3809193.37        0.14012                    466043.76
3809193.37        0.13464
         466099.74    3809193.37        0.13013                    466155.72
3809193.37        0.12574
         466211.70    3809193.37        0.12177                    466267.68
3809193.37        0.11799
         466323.66    3809193.37        0.11433                    466379.64
3809193.37        0.11081
         466435.62    3809193.37        0.10738                    466491.60
3809193.37        0.10414
         466547.58    3809193.37        0.10106                    466603.56
3809193.37        0.09818
         466659.54    3809193.37        0.09532                    466715.52
3809193.37        0.09267
         466771.50    3809193.37        0.09007                    466827.48
3809193.37        0.08762
         466883.46    3809193.37        0.08526                    465763.86
3809259.59        0.16472
         465819.84    3809259.59        0.15867                    465875.82
3809259.59        0.15280
         465931.80    3809259.59        0.14726                    465987.78
3809259.59        0.14172
         466043.76    3809259.59        0.13648                    466099.74
3809259.59        0.13161
         466155.72    3809259.59        0.12737                    466211.70
3809259.59        0.12335
         466267.68    3809259.59        0.11952                    466323.66
3809259.59        0.11567
         466379.64    3809259.59        0.11209                    466435.62
3809259.59        0.10870
         466491.60    3809259.59        0.10539                    466547.58
3809259.59        0.10233
         466603.56    3809259.59        0.09933                    466659.54
3809259.59        0.09646
         466715.52    3809259.59        0.09382                    466771.50
3809259.59        0.09117
         466827.48    3809259.59        0.08868                    466883.46
3809259.59        0.08628
         464503.41    3807141.91        0.05232                    464523.41
3807141.91        0.05197
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 210
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
```

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***

INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 , L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 , L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 , L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464543.41	3807141.91	0.05094	464563.41	3807141.91	0.04980
464583.41	3807141.91	0.04971	464603.41	3807141.91	0.04907
464623.41	3807141.91	0.04830	464643.41	3807141.91	0.04820
464663.41	3807141.91	0.04769	464683.41	3807141.91	0.04712
464703.41	3807141.91	0.04724	464723.41	3807141.91	0.04808
464743.41	3807141.91	0.04730	464763.41	3807141.91	0.04719
464783.41	3807141.91	0.04657	464803.41	3807141.91	0.04606
464823.41	3807141.91	0.04710	464843.41	3807141.91	0.04719
464863.41	3807141.91	0.04666	464883.41	3807141.91	0.04634
464903.41	3807141.91	0.04721	464923.41	3807141.91	0.04778
464503.41	3807161.91	0.05230	464523.41	3807161.91	0.05199
464543.41	3807161.91	0.05099	464563.41	3807161.91	0.04988
464583.41	3807161.91	0.04983	464603.41	3807161.91	0.04977
464623.41	3807161.91	0.04958	464643.41	3807161.91	0.04870
464663.41	3807161.91	0.04852	464683.41		

```
3807161.91        0.04855
         464703.41    3807161.91        0.04785                    464723.41
3807161.91        0.04843
         464743.41    3807161.91        0.04826                    464763.41
3807161.91        0.04936
         464783.41    3807161.91        0.04895                    464803.41
3807161.91        0.04831
         464823.41    3807161.91        0.04823                    464843.41
3807161.91        0.04769
         464863.41    3807161.91        0.04731                    464883.41
3807161.91        0.04845
         464903.41    3807161.91        0.04870                    464923.41
3807161.91        0.04885
         464503.41    3807181.91        0.05313                    464523.41
3807181.91        0.05226
         464543.41    3807181.91        0.05150                    464563.41
3807181.91        0.05083
         464583.41    3807181.91        0.05020                    464603.41
3807181.91        0.05008
         464623.41    3807181.91        0.05005                    464643.41
3807181.91        0.04902
         464663.41    3807181.91        0.04893                    464683.41
3807181.91        0.05053
         464703.41    3807181.91        0.04964                    464723.41
3807181.91        0.04970
         464743.41    3807181.91        0.04995                    464763.41
3807181.91        0.05020
         464783.41    3807181.91        0.05008                    464803.41
3807181.91        0.04952
         464823.41    3807181.91        0.04987                    464843.41
3807181.91        0.04987
         464863.41    3807181.91        0.04940                    464883.41
3807181.91        0.04975
         464903.41    3807181.91        0.05015                    464923.41
3807181.91        0.05055
         464503.41    3807201.91        0.05394                    464523.41
3807201.91        0.05252
         464543.41    3807201.91        0.05201                    464563.41
3807201.91        0.05181
         464583.41    3807201.91        0.05086                    464603.41
3807201.91        0.05052
         464623.41    3807201.91        0.05035                    464643.41
3807201.91        0.04961
         464663.41    3807201.91        0.04949                    464683.41
3807201.91        0.05094
         464703.41    3807201.91        0.05078                    464723.41
3807201.91        0.05116
         464743.41    3807201.91        0.05203                    464763.41
3807201.91        0.05129
         464783.41    3807201.91        0.05075                    464803.41
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 ,
L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 ,
L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 ,
L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464823.41	3807201.91	0.05191	464843.41	3807201.91	0.05215
464863.41	3807201.91	0.05175	464883.41	3807201.91	0.05122
464903.41	3807201.91	0.05165	464923.41	3807201.91	0.05260
464503.41	3807221.91	0.05404	464523.41	3807221.91	0.05265
464543.41	3807221.91	0.05217	464563.41	3807221.91	0.05217
464583.41	3807221.91	0.05213	464603.41	3807221.91	0.05152
464623.41	3807221.91	0.05082	464643.41	3807221.91	0.05103
464663.41	3807221.91	0.05062	464683.41	3807221.91	0.05198
464703.41	3807221.91	0.05312	464723.41	3807221.91	0.05320
464743.41	3807221.91	0.05255	464763.41	3807221.91	0.05182

```
        464783.41    3807221.91        0.05224                    464803.41
3807221.91        0.05324
        464823.41    3807221.91        0.05277                    464843.41
3807221.91        0.05366
        464863.41    3807221.91        0.05423                    464883.41
3807221.91        0.05367
        464903.41    3807221.91        0.05364                    464923.41
3807221.91        0.05341
        464503.41    3807241.91        0.05428                    464523.41
3807241.91        0.05358
        464543.41    3807241.91        0.05292                    464563.41
3807241.91        0.05243
        464583.41    3807241.91        0.05262                    464603.41
3807241.91        0.05199
        464623.41    3807241.91        0.05120                    464643.41
3807241.91        0.05163
        464663.41    3807241.91        0.05359                    464683.41
3807241.91        0.05382
        464703.41    3807241.91        0.05403                    464723.41
3807241.91        0.05385
        464743.41    3807241.91        0.05320                    464763.41
3807241.91        0.05354
        464783.41    3807241.91        0.05386                    464803.41
3807241.91        0.05418
        464823.41    3807241.91        0.05495                    464843.41
3807241.91        0.05529
        464863.41    3807241.91        0.05552                    464883.41
3807241.91        0.05497
        464903.41    3807241.91        0.05520                    464923.41
3807241.91        0.05559
        464503.41    3807261.91        0.05454                    464523.41
3807261.91        0.05451
        464543.41    3807261.91        0.05368                    464563.41
3807261.91        0.05272
        464583.41    3807261.91        0.05295                    464603.41
3807261.91        0.05254
        464623.41    3807261.91        0.05196                    464643.41
3807261.91        0.05215
        464663.41    3807261.91        0.05496                    464683.41
3807261.91        0.05607
        464703.41    3807261.91        0.05521                    464723.41
3807261.91        0.05459
        464743.41    3807261.91        0.05465                    464763.41
3807261.91        0.05575
        464783.41    3807261.91        0.05596                    464803.41
3807261.91        0.05565
        464823.41    3807261.91        0.05673                    464843.41
3807261.91        0.05697
        464863.41    3807261.91        0.05657                    464883.41
3807261.91        0.05603
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                 INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                 L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                 L0006369   , L0006370   , L0006371   , L0006372   , L0006373 , L0006374   , L0006375   , L0006376   ,
                 L0006377   , L0006378   , L0006379   , L0006380   , L0006381 , L0006382   , L0006383   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3807281.91 0.05899
464903.41 3807281.91 0.06027 464923.41
3807281.91 0.06162
464503.41 3807301.91 0.05595 464523.41
3807301.91 0.05532
464543.41 3807301.91 0.05482 464563.41
3807301.91 0.05439
464583.41 3807301.91 0.05400 464603.41
3807301.91 0.05417
464623.41 3807301.91 0.05598 464643.41
3807301.91 0.05506
464663.41 3807301.91 0.05606 464683.41
3807301.91 0.05724
464703.41 3807301.91 0.05644 464723.41
3807301.91 0.05698
464743.41 3807301.91 0.05826 464763.41
3807301.91 0.05904
464783.41 3807301.91 0.05936 464803.41
3807301.91 0.05956
464823.41 3807301.91 0.05893 464843.41
3807301.91 0.05949
464863.41 3807301.91 0.06109 464883.41
3807301.91 0.06219
464903.41 3807301.91 0.06285 464923.41
3807301.91 0.06301
464503.41 3807321.91 0.05714 464523.41
3807321.91 0.05588
464543.41 3807321.91 0.05565 464563.41
3807321.91 0.05572
464583.41 3807321.91 0.05469 464603.41
3807321.91 0.05469
464623.41 3807321.91 0.05653 464643.41
3807321.91 0.05565
464663.41 3807321.91 0.05669 464683.41
3807321.91 0.05794
464703.41 3807321.91 0.05740 464723.41
3807321.91 0.05834
464743.41 3807321.91 0.05952 464763.41
3807321.91 0.06090
464783.41 3807321.91 0.06102 464803.41
3807321.91 0.06039
464823.41 3807321.91 0.05999 464843.41
3807321.91 0.06104
464863.41 3807321.91 0.06307 464883.41
3807321.91 0.06442
464903.41 3807321.91 0.06445 464923.41
3807321.91 0.06390
464503.41 3807341.91 0.05751 464523.41
3807341.91 0.05630
464543.41 3807341.91 0.05611 464563.41

```
3807341.91        0.05622
         464583.41    3807341.91        0.05522                        464603.41
3807341.91        0.05526
         464623.41    3807341.91        0.05714                        464643.41
3807341.91        0.05629
         464663.41    3807341.91        0.05736                        464683.41
3807341.91        0.05879
         464703.41    3807341.91        0.06007                        464723.41
3807341.91        0.06024
         464743.41    3807341.91        0.06030                        464763.41
3807341.91        0.06170
         464783.41    3807341.91        0.06184                        464803.41
3807341.91        0.06136
         464823.41    3807341.91        0.06256                        464843.41
3807341.91        0.06460
         464863.41    3807341.91        0.06603                        464883.41
3807341.91        0.06591
         464903.41    3807341.91        0.06534                        464923.41
3807341.91        0.06527
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 213
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                                 INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                 L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                 L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                 L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         464503.41    3807361.91        0.05807                        464523.41
3807361.91        0.05764
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        464543.41    3807361.91        0.05724                    464563.41
3807361.91        0.05677
        464583.41    3807361.91        0.05581                    464603.41
3807361.91        0.05588
        464623.41    3807361.91        0.05845                    464643.41
3807361.91        0.05881
        464663.41    3807361.91        0.05914                    464683.41
3807361.91        0.05957
        464703.41    3807361.91        0.06151                    464723.41
3807361.91        0.06208
        464743.41    3807361.91        0.06243                    464763.41
3807361.91        0.06276
        464783.41    3807361.91        0.06355                    464803.41
3807361.91        0.06403
        464823.41    3807361.91        0.06615                    464843.41
3807361.91        0.06738
        464863.41    3807361.91        0.06751                    464883.41
3807361.91        0.06687
        464903.41    3807361.91        0.06735                    464923.41
3807361.91        0.06795
        464503.41    3807381.91        0.05906                    464523.41
3807381.91        0.05908
        464543.41    3807381.91        0.05839                    464563.41
3807381.91        0.05743
        464583.41    3807381.91        0.05678                    464603.41
3807381.91        0.05680
        464623.41    3807381.91        0.05927                    464643.41
3807381.91        0.06081
        464663.41    3807381.91        0.06111                    464683.41
3807381.91        0.06120
        464703.41    3807381.91        0.06241                    464723.41
3807381.91        0.06378
        464743.41    3807381.91        0.06501                    464763.41
3807381.91        0.06454
        464783.41    3807381.91        0.06545                    464803.41
3807381.91        0.06659
        464823.41    3807381.91        0.06907                    464843.41
3807381.91        0.06912
        464863.41    3807381.91        0.06849                    464883.41
3807381.91        0.06842
        464903.41    3807381.91        0.06950                    464923.41
3807381.91        0.07202
        464503.41    3807401.91        0.06095                    464523.41
3807401.91        0.06002
        464543.41    3807401.91        0.05902                    464563.41
3807401.91        0.05827
        464583.41    3807401.91        0.05866                    464603.41
3807401.91        0.05837
        464623.41    3807401.91        0.06004                    464643.41
3807401.91        0.06161
```

```
         464663.41    3807401.91        0.06303                        464683.41
3807401.91        0.06417
         464703.41    3807401.91        0.06358                        464723.41
3807401.91        0.06468
         464743.41    3807401.91        0.06608                        464763.41
3807401.91        0.06732
         464783.41    3807401.91        0.06749                        464803.41
3807401.91        0.06755
         464823.41    3807401.91        0.07004                        464843.41
3807401.91        0.07010
         464863.41    3807401.91        0.06998                        464883.41
3807401.91        0.07168
         464903.41    3807401.91        0.07210                        464923.41
3807401.91        0.07311
         464503.41    3807421.91        0.06186                        464523.41
3807421.91        0.06074
         464543.41    3807421.91        0.06026                        464563.41
3807421.91        0.06009
         464583.41    3807421.91        0.05993                        464603.41
3807421.91        0.06198
         464623.41    3807421.91        0.06236                        464643.41
3807421.91        0.06272
         464663.41    3807421.91        0.06403                        464683.41
3807421.91        0.06543
         464703.41    3807421.91        0.06630                        464723.41
3807421.91        0.06664
         464743.41    3807421.91        0.06706                        464763.41
3807421.91        0.06848
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 214
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                                  INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                 L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                 L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                 L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464783.41	3807421.91	0.06990	464803.41	3807421.91	0.07102
464823.41	3807421.91	0.07166	464843.41	3807421.91	0.07228
464863.41	3807421.91	0.07287	464883.41	3807421.91	0.07377
464903.41	3807421.91	0.07535	464923.41	3807421.91	0.07610
464503.41	3807441.91	0.06259	464523.41	3807441.91	0.06181
464543.41	3807441.91	0.06177	464563.41	3807441.91	0.06363
464583.41	3807441.91	0.06353	464603.41	3807441.91	0.06406
464623.41	3807441.91	0.06521	464643.41	3807441.91	0.06465
464663.41	3807441.91	0.06569	464683.41	3807441.91	0.06698
464703.41	3807441.91	0.06846	464723.41	3807441.91	0.06876
464743.41	3807441.91	0.06886	464763.41	3807441.91	0.07001
464783.41	3807441.91	0.07215	464803.41	3807441.91	0.07359
464823.41	3807441.91	0.07286	464843.41	3807441.91	0.07445
464863.41	3807441.91	0.07723	464883.41	3807441.91	0.07648
464903.41	3807441.91	0.07738	464923.41	3807441.91	0.07866
464503.41	3807461.91	0.06353	464523.41	3807461.91	0.06388
464543.41	3807461.91	0.06350	464563.41	3807461.91	0.06524
464583.41	3807461.91	0.06668	464603.41	3807461.91	0.06685
464623.41	3807461.91	0.06633	464643.41	3807461.91	0.06773
464663.41	3807461.91	0.06792	464683.41	3807461.91	0.06799
464703.41	3807461.91	0.06949	464723.41	3807461.91	0.07084
464743.41	3807461.91	0.07193	464763.41		

3807461.91   0.07135
         464783.41   3807461.91   0.07323   464803.41
3807461.91   0.07468
         464823.41   3807461.91   0.07395   464843.41
3807461.91   0.07554
         464863.41   3807461.91   0.07833   464883.41
3807461.91   0.07758
         464903.41   3807461.91   0.07848   464923.41
3807461.91   0.07976
         464503.41   3807481.91   0.06437   464523.41
3807481.91   0.06499
         464543.41   3807481.91   0.06746   464563.41
3807481.91   0.06781
         464583.41   3807481.91   0.06813   464603.41
3807481.91   0.06903
         464623.41   3807481.91   0.06939   464643.41
3807481.91   0.06972
         464663.41   3807481.91   0.07009   464683.41
3807481.91   0.07046
         464703.41   3807481.91   0.07080   464723.41
3807481.91   0.07205
         464743.41   3807481.91   0.07325   464763.41
3807481.91   0.07251
         464783.41   3807481.91   0.07434   464803.41
3807481.91   0.07580
         464823.41   3807481.91   0.07507   464843.41
3807481.91   0.07666
         464863.41   3807481.91   0.07953   464883.41
3807481.91   0.08032
         464903.41   3807481.91   0.08066   464923.41
3807481.91   0.08094
         464503.41   3807501.91   0.06574   464523.41
3807501.91   0.06642
         464543.41   3807501.91   0.06975   464563.41
3807501.91   0.07094
         464583.41   3807501.91   0.07025   464603.41
3807501.91   0.07131

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31 ***
                                  INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                 L0006361   , L0006362   , L0006363   , L0006364   , L0006365

, L0006366   , L0006367   , L0006368   ,
                L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464623.41   3807501.91   0.07192   464643.41
3807501.91   0.07183
         464663.41   3807501.91   0.07234   464683.41
3807501.91   0.07344
         464703.41   3807501.91   0.07289   464723.41
3807501.91   0.07386
         464743.41   3807501.91   0.07443   464763.41
3807501.91   0.07437
         464783.41   3807501.91   0.07612   464803.41
3807501.91   0.07699
         464823.41   3807501.91   0.07687   464843.41
3807501.91   0.07799
         464863.41   3807501.91   0.08076   464883.41
3807501.91   0.08264
         464903.41   3807501.91   0.08282   464923.41
3807501.91   0.08215
         464503.41   3807521.91   0.06842   464523.41
3807521.91   0.07265
         464543.41   3807521.91   0.07282   464563.41
3807521.91   0.07218
         464583.41   3807521.91   0.07362   464603.41
3807521.91   0.07376
         464623.41   3807521.91   0.07374   464643.41
3807521.91   0.07511
         464663.41   3807521.91   0.07526   464683.41
3807521.91   0.07476
         464703.41   3807521.91   0.07607   464723.41
3807521.91   0.07622
         464743.41   3807521.91   0.07622   464763.41
3807521.91   0.07829
         464783.41   3807521.91   0.07881   464803.41
3807521.91   0.07874
         464823.41   3807521.91   0.08053   464843.41
3807521.91   0.08092

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         464863.41    3807521.91        0.08196                        464883.41
3807521.91        0.08384
         464903.41    3807521.91        0.08401                        464923.41
3807521.91        0.08333
         464503.41    3807541.91        0.07405                        464523.41
3807541.91        0.07432
         464543.41    3807541.91        0.07523                        464563.41
3807541.91        0.07554
         464583.41    3807541.91        0.07582                        464603.41
3807541.91        0.07614
         464623.41    3807541.91        0.07648                        464643.41
3807541.91        0.07677
         464663.41    3807541.91        0.07761                        464683.41
3807541.91        0.07793
         464703.41    3807541.91        0.07821                        464723.41
3807541.91        0.07898
         464743.41    3807541.91        0.08017                        464763.41
3807541.91        0.08080
         464783.41    3807541.91        0.08016                        464803.41
3807541.91        0.07999
         464823.41    3807541.91        0.08233                        464843.41
3807541.91        0.08456
         464863.41    3807541.91        0.08530                        464883.41
3807541.91        0.08558
         464903.41    3807541.91        0.08547                        464923.41
3807541.91        0.08535
         464503.41    3807561.91        0.07750                        464523.41
3807561.91        0.07667
         464543.41    3807561.91        0.07774                        464563.41
3807561.91        0.07832
         464583.41    3807561.91        0.07815                        464603.41
3807561.91        0.07862
         464623.41    3807561.91        0.07973                        464643.41
3807561.91        0.07906
         464663.41    3807561.91        0.08004                        464683.41
3807561.91        0.08059
         464703.41    3807561.91        0.08045                        464723.41
3807561.91        0.08227
         464743.41    3807561.91        0.08311                        464763.41
3807561.91        0.08225
         464783.41    3807561.91        0.08202                        464803.41
3807561.91        0.08197
         464823.41    3807561.91        0.08366                        464843.41
3807561.91        0.08688
         464863.41    3807561.91        0.08819                        464883.41
3807561.91        0.08732
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 , L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 , L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 , L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464903.41	3807561.91	0.08692	464923.41	3807561.91	0.08701
464503.41	3807581.91	0.07889	464523.41	3807581.91	0.08038
464543.41	3807581.91	0.08044	464563.41	3807581.91	0.08034
464583.41	3807581.91	0.08175	464603.41	3807581.91	0.08182
464623.41	3807581.91	0.08120	464643.41	3807581.91	0.08254
464663.41	3807581.91	0.08263	464683.41	3807581.91	0.08256
464703.41	3807581.91	0.08472	464723.41	3807581.91	0.08521
464743.41	3807581.91	0.08443	464763.41	3807581.91	0.08356
464783.41	3807581.91	0.08470	464803.41	3807581.91	0.08589
464823.41	3807581.91	0.08560	464843.41	3807581.91	0.08820
464863.41	3807581.91	0.08949	464883.41	3807581.91	0.08862
464903.41	3807581.91	0.08820	464923.41	3807581.91	0.08872
464503.41	3807601.91	0.08278	464523.41		

3807601.91 0.08443
464543.41 3807601.91 0.08437 464563.41
3807601.91 0.08335
464583.41 3807601.91 0.08358 464603.41
3807601.91 0.08441
464623.41 3807601.91 0.08468 464643.41
3807601.91 0.08490
464663.41 3807601.91 0.08566 464683.41
3807601.91 0.08686
464703.41 3807601.91 0.08747 464723.41
3807601.91 0.08670
464743.41 3807601.91 0.08636 464763.41
3807601.91 0.08696
464783.41 3807601.91 0.08748 464803.41
3807601.91 0.08963
464823.41 3807601.91 0.09040 464843.41
3807601.91 0.09067
464863.41 3807601.91 0.09089 464883.41
3807601.91 0.09034
464903.41 3807601.91 0.09017 464923.41
3807601.91 0.09002
464503.41 3807621.91 0.08700 464523.41
3807621.91 0.08828
464543.41 3807621.91 0.08808 464563.41
3807621.91 0.08694
464583.41 3807621.91 0.08612 464603.41
3807621.91 0.08709
464623.41 3807621.91 0.08760 464643.41
3807621.91 0.08737
464663.41 3807621.91 0.08926 464683.41
3807621.91 0.09008
464703.41 3807621.91 0.08908 464723.41
3807621.91 0.08875
464743.41 3807621.91 0.08862 464763.41
3807621.91 0.09037
464783.41 3807621.91 0.09202 464803.41
3807621.91 0.09217
464823.41 3807621.91 0.09309 464843.41
3807621.91 0.09323
464863.41 3807621.91 0.09249 464883.41
3807621.91 0.09249
464903.41 3807621.91 0.09184 464923.41
3807621.91 0.09151
464503.41 3807641.91 0.09118 464523.41
3807641.91 0.09071
464543.41 3807641.91 0.08953 464563.41
3807641.91 0.08858
464583.41 3807641.91 0.08994 464603.41
3807641.91 0.08995
464623.41 3807641.91 0.08978 464643.41

3807641.91   0.09205
         464663.41   3807641.91   0.09248   464683.41
3807641.91   0.09156
         464703.41   3807641.91   0.09054   464723.41
3807641.91   0.09168

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31 ***
                                 INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                 L0006361   , L0006362   , L0006363   , L0006364   , L0006365
, L0006366   , L0006367   , L0006368   ,
                 L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                 L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464743.41   3807641.91   0.09290   464763.41
3807641.91   0.09251
         464783.41   3807641.91   0.09472   464803.41
3807641.91   0.09600
         464823.41   3807641.91   0.09509   464843.41
3807641.91   0.09495
         464863.41   3807641.91   0.09488   464883.41
3807641.91   0.09401
         464903.41   3807641.91   0.09387   464923.41
3807641.91   0.09378
         464503.41   3807661.91   0.09626   464523.41
3807661.91   0.09486
         464543.41   3807661.91   0.09354   464563.41
3807661.91   0.09241
         464583.41   3807661.91   0.09255   464603.41
3807661.91   0.09329

```
        464623.41    3807661.91        0.09451                    464643.41
3807661.91        0.09507
        464663.41    3807661.91        0.09563                    464683.41
3807661.91        0.09605
        464703.41    3807661.91        0.09495                    464723.41
3807661.91        0.09474
        464743.41    3807661.91        0.09698                    464763.41
3807661.91        0.09773
        464783.41    3807661.91        0.09794                    464803.41
3807661.91        0.09810
        464823.41    3807661.91        0.09743                    464843.41
3807661.91        0.09717
        464863.41    3807661.91        0.09649                    464883.41
3807661.91        0.09624
        464903.41    3807661.91        0.09559                    464923.41
3807661.91        0.09531
        464503.41    3807681.91        0.10148                    464523.41
3807681.91        0.09999
        464543.41    3807681.91        0.09858                    464563.41
3807681.91        0.09725
        464583.41    3807681.91        0.09598                    464603.41
3807681.91        0.09725
        464623.41    3807681.91        0.09809                    464643.41
3807681.91        0.09769
        464663.41    3807681.91        0.09884                    464683.41
3807681.91        0.10194
        464703.41    3807681.91        0.10141                    464723.41
3807681.91        0.10031
        464743.41    3807681.91        0.09977                    464763.41
3807681.91        0.10067
        464783.41    3807681.91        0.10074                    464803.41
3807681.91        0.09986
        464823.41    3807681.91        0.09978                    464843.41
3807681.91        0.09901
        464863.41    3807681.91        0.09857                    464883.41
3807681.91        0.09848
        464903.41    3807681.91        0.09772                    464923.41
3807681.91        0.09691
        464523.41    3807701.91        0.10572                    464543.41
3807701.91        0.10421
        464563.41    3807701.91        0.10277                    464583.41
3807701.91        0.10141
        464603.41    3807701.91        0.10081                    464623.41
3807701.91        0.10045
        464643.41    3807701.91        0.10245                    464663.41
3807701.91        0.10268
        464683.41    3807701.91        0.10371                    464703.41
3807701.91        0.10569
        464723.41    3807701.91        0.10514                    464743.41
3807701.91        0.10395
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                   INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                  L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                  L0006369   , L0006370   , L0006371   , L0006372   , L0006373 , L0006374   , L0006375   , L0006376   ,
                  L0006377   , L0006378   , L0006379   , L0006380   , L0006381 , L0006382   , L0006383   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3807721.91 0.10508
464803.41 3807721.91 0.10427 464823.41
3807721.91 0.10391
464843.41 3807721.91 0.10313 464863.41
3807721.91 0.10275
464883.41 3807721.91 0.10200 464903.41
3807721.91 0.10163
464923.41 3807721.91 0.10124 464943.41
3807721.91 0.10050
464963.41 3807721.91 0.10011 464983.41
3807721.91 0.09970
465003.41 3807721.91 0.09930 465023.41
3807721.91 0.09853
465043.41 3807721.91 0.09811 465063.41
3807721.91 0.09736
465083.41 3807721.91 0.09694 465103.41
3807721.91 0.09613
465123.41 3807721.91 0.09510 465143.41
3807721.91 0.09429
465163.41 3807721.91 0.09383 465183.41
3807721.91 0.09282
465203.41 3807721.91 0.09199 465223.41
3807721.91 0.09155
465243.41 3807721.91 0.09113 465263.41
3807721.91 0.09040
465283.41 3807721.91 0.08991 465303.41
3807721.91 0.08893
465323.41 3807721.91 0.08813 465343.41
3807721.91 0.08766
465363.41 3807721.91 0.08669 465383.41
3807721.91 0.08643
464543.41 3807741.91 0.11747 464563.41
3807741.91 0.10978
464583.41 3807741.91 0.10747 464603.41
3807741.91 0.10599
464623.41 3807741.91 0.10543 464643.41
3807741.91 0.10753
464663.41 3807741.91 0.11117 464683.41
3807741.91 0.11185
464703.41 3807741.91 0.11049 464723.41
3807741.91 0.10928
464743.41 3807741.91 0.10823 464763.41
3807741.91 0.10805
464783.41 3807741.91 0.10712 464803.41
3807741.91 0.10656
464823.41 3807741.91 0.10637 464843.41
3807741.91 0.10537
464863.41 3807741.91 0.10432 464883.41
3807741.91 0.10427
464903.41 3807741.91 0.10335 464923.41

```
3807741.91        0.10272
         464943.41    3807741.91        0.10263                        464963.41
3807741.91        0.10209
         464983.41    3807741.91        0.10108                        465003.41
3807741.91        0.10094
         465023.41    3807741.91        0.10047                        465043.41
3807741.91        0.09955
         465063.41    3807741.91        0.09927                        465083.41
3807741.91        0.09834
         465103.41    3807741.91        0.09729                        465123.41
3807741.91        0.09634
         465143.41    3807741.91        0.09595                        465163.41
3807741.91        0.09559
         465183.41    3807741.91        0.09465                        465203.41
3807741.91        0.09365
         465223.41    3807741.91        0.09299                        465243.41
3807741.91        0.09239
         465263.41    3807741.91        0.09180                        465283.41
3807741.91        0.09079
         465303.41    3807741.91        0.08987                        465323.41
3807741.91        0.08976
         465343.41    3807741.91        0.08965                        465363.41
3807741.91        0.08872
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 219
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                                 INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                 L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                 L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                 L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
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- - - -

```
         464623.41    3807781.91        0.12017                        464643.41
3807781.91        0.11853
         464663.41    3807781.91        0.11731                        464683.41
3807781.91        0.11669
         464703.41    3807781.91        0.11525                        464723.41
3807781.91        0.11409
         464743.41    3807781.91        0.11310                        464763.41
3807781.91        0.11262
         464783.41    3807781.91        0.11167                        464803.41
3807781.91        0.11109
         464823.41    3807781.91        0.10980                        464843.41
3807781.91        0.10880
         464863.41    3807781.91        0.10833                        464883.41
3807781.91        0.10743
         464903.41    3807781.91        0.10695                        464923.41
3807781.91        0.10647
         464943.41    3807781.91        0.10596                        464963.41
3807781.91        0.10507
         464983.41    3807781.91        0.10457                        465003.41
3807781.91        0.10367
         465023.41    3807781.91        0.10335                        465043.41
3807781.91        0.10303
         465063.41    3807781.91        0.10186                        465083.41
3807781.91        0.10091
         465103.41    3807781.91        0.10040                        465123.41
3807781.91        0.09986
         465143.41    3807781.91        0.09901                        465163.41
3807781.91        0.09849
         465183.41    3807781.91        0.09795                        465203.41
3807781.91        0.09690
         465223.41    3807781.91        0.09583                        465243.41
3807781.91        0.09532
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 220
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                                 INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                 L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                 L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                 L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465263.41	3807781.91	0.09431	465283.41	3807781.91	0.09355
465303.41	3807781.91	0.09299	465323.41	3807781.91	0.09245
465343.41	3807781.91	0.09189	465363.41	3807781.91	0.09133
465383.41	3807781.91	0.09032	464543.41	3807801.91	0.14056
464563.41	3807801.91	0.13516	464583.41	3807801.91	0.13148
464603.41	3807801.91	0.12796	464623.41	3807801.91	0.12409
464643.41	3807801.91	0.12105	464663.41	3807801.91	0.12017
464683.41	3807801.91	0.11920	464703.41	3807801.91	0.11770
464723.41	3807801.91	0.11636	464743.41	3807801.91	0.11565
464763.41	3807801.91	0.11533	464783.41	3807801.91	0.11415
464803.41	3807801.91	0.11281	464823.41	3807801.91	0.11162
464843.41	3807801.91	0.11119	464863.41	3807801.91	0.11038
464883.41	3807801.91	0.10964	464903.41	3807801.91	0.10919
464923.41	3807801.91	0.10877	464943.41	3807801.91	0.10763
464963.41	3807801.91	0.10715	464983.41	3807801.91	0.10671
465003.41	3807801.91	0.10559	465023.41	3807801.91	0.10474
465043.41	3807801.91	0.10430	465063.41	3807801.91	0.10321
465083.41	3807801.91	0.10272	465103.41	3807801.91	0.10227
465123.41	3807801.91	0.10119	465143.41	3807801.91	0.10070
465163.41	3807801.91	0.10023	465183.41		

3807801.91 0.09905
465203.41 3807801.91 0.09795 465223.41
3807801.91 0.09697
465243.41 3807801.91 0.09719 465263.41
3807801.91 0.09648
465283.41 3807801.91 0.09534 465303.41
3807801.91 0.09430
465323.41 3807801.91 0.09377 465343.41
3807801.91 0.09326
465363.41 3807801.91 0.09214 465383.41
3807801.91 0.09109
464543.41 3807821.91 0.14632 464563.41
3807821.91 0.14230
464583.41 3807821.91 0.13738 464603.41
3807821.91 0.13208
464623.41 3807821.91 0.12761 464643.41
3807821.91 0.12447
464663.41 3807821.91 0.12264 464683.41
3807821.91 0.12115
464703.41 3807821.91 0.11962 464723.41
3807821.91 0.11908
464743.41 3807821.91 0.11866 464763.41
3807821.91 0.11731
464783.41 3807821.91 0.11591 464803.41
3807821.91 0.11462
464823.41 3807821.91 0.11433 464843.41
3807821.91 0.11323
464863.41 3807821.91 0.11248 464883.41
3807821.91 0.11216
464903.41 3807821.91 0.11149 464923.41
3807821.91 0.11033
464943.41 3807821.91 0.10997 464963.41
3807821.91 0.10891
464983.41 3807821.91 0.10816 465003.41
3807821.91 0.10779
465023.41 3807821.91 0.10674 465043.41
3807821.91 0.10563
465063.41 3807821.91 0.10526 465083.41
3807821.91 0.10459
465103.41 3807821.91 0.10349 465123.41
3807821.91 0.10311

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCK31 ***
                                INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                 L0006361   , L0006362   , L0006363   , L0006364   , L0006365
, L0006366   , L0006367   , L0006368   ,
                 L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                 L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
        464903.41    3807841.91        0.11334                    464923.41
3807841.91        0.11270
        464943.41    3807841.91        0.11164                    464963.41
3807841.91        0.11101
        464983.41    3807841.91        0.10999                    465003.41
3807841.91        0.10934
        465023.41    3807841.91        0.10833                    465043.41
3807841.91        0.10770
        465063.41    3807841.91        0.10705                    465083.41
3807841.91        0.10606
        465103.41    3807841.91        0.10542                    465123.41
3807841.91        0.10478
        465143.41    3807841.91        0.10380                    465163.41
3807841.91        0.10313
        465183.41    3807841.91        0.10186                    465203.41
3807841.91        0.10143
        465223.41    3807841.91        0.10076                    465243.41
3807841.91        0.10011
        465263.41    3807841.91        0.09897                    465283.41
3807841.91        0.09778
        465303.41    3807841.91        0.09711                    465323.41
3807841.91        0.09598
        465343.41    3807841.91        0.09482                    465363.41
3807841.91        0.09420
        465383.41    3807841.91        0.09327                    464503.41
3807861.91        0.16605
        464523.41    3807861.91        0.16488                    464543.41
3807861.91        0.16255
        464563.41    3807861.91        0.15957                    464583.41
3807861.91        0.15168
        464603.41    3807861.91        0.14516                    464723.41
3807861.91        0.12418
        464743.41    3807861.91        0.12259                    464763.41
3807861.91        0.12102
        464783.41    3807861.91        0.12002                    464803.41
3807861.91        0.11963
        464823.41    3807861.91        0.11872                    464843.41
3807861.91        0.11812
        464863.41    3807861.91        0.11757                    464883.41
3807861.91        0.11624
        464903.41    3807861.91        0.11562                    464923.41
3807861.91        0.11506
        464943.41    3807861.91        0.11375                    464963.41
3807861.91        0.11275
        464983.41    3807861.91        0.11219                    465003.41
3807861.91        0.11092
        465023.41    3807861.91        0.11031                    465043.41
3807861.91        0.10975
        465063.41    3807861.91        0.10851                    465083.41
3807861.91        0.10790
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                    INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                 L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                 L0006369   , L0006370   , L0006371   , L0006372   , L0006373 , L0006374   , L0006375   , L0006376   ,
                 L0006377   , L0006378   , L0006379   , L0006380   , L0006381 , L0006382   , L0006383   , . . .   ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3807881.91 0.12184
464803.41 3807881.91 0.12196 464823.41
3807881.91 0.12151
464843.41 3807881.91 0.12067 464863.41
3807881.91 0.11931
464883.41 3807881.91 0.11882 464903.41
3807881.91 0.11757
464923.41 3807881.91 0.11666 464943.41
3807881.91 0.11617
464963.41 3807881.91 0.11494 464983.41
3807881.91 0.11365
465003.41 3807881.91 0.11318 465023.41
3807881.91 0.11236
465043.41 3807881.91 0.11110 465063.41
3807881.91 0.11061
465083.41 3807881.91 0.10981 465103.41
3807881.91 0.10857
465123.41 3807881.91 0.10844 465143.41
3807881.91 0.10796
465163.41 3807881.91 0.10673 465183.41
3807881.91 0.10619
465203.41 3807881.91 0.10531 465223.41
3807881.91 0.10397
465243.41 3807881.91 0.10271 465263.41
3807881.91 0.10141
465283.41 3807881.91 0.10018 465303.41
3807881.91 0.09967
465323.41 3807881.91 0.09853 465343.41
3807881.91 0.09756
465363.41 3807881.91 0.09637 465383.41
3807881.91 0.09546
464723.41 3807901.91 0.12943 464743.41
3807901.91 0.12654
464763.41 3807901.91 0.12530 464783.41
3807901.91 0.12451
464803.41 3807901.91 0.12378 464823.41
3807901.91 0.12338
464843.41 3807901.91 0.12246 464863.41
3807901.91 0.12098
464883.41 3807901.91 0.12055 464903.41
3807901.91 0.11989
464923.41 3807901.91 0.11868 464943.41
3807901.91 0.11788
464963.41 3807901.91 0.11645 464983.41
3807901.91 0.11505
465003.41 3807901.91 0.11502 465023.41
3807901.91 0.11399
465043.41 3807901.91 0.11322 465063.41
3807901.91 0.11244
465083.41 3807901.91 0.11131 465103.41

3807901.91   0.11091
         465123.41   3807901.91   0.11011   465143.41
3807901.91   0.10933
         465163.41   3807901.91   0.10854   465183.41
3807901.91   0.10773
         465203.41   3807901.91   0.10641   465223.41
3807901.91   0.10507
         465243.41   3807901.91   0.10431   465263.41
3807901.91   0.10304

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31 ***
                                   INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                 L0006361   , L0006362   , L0006363   , L0006364   , L0006365
, L0006366   , L0006367   , L0006368   ,
                 L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                 L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

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        464843.41    3807921.91        0.12428                    464863.41
3807921.91        0.12287
        464883.41    3807921.91        0.12239                    464903.41
3807921.91        0.12182
        464923.41    3807921.91        0.12109                    464943.41
3807921.91        0.11948
        464963.41    3807921.91        0.11799                    464983.41
3807921.91        0.11705
        465003.41    3807921.91        0.11658                    465023.41
3807921.91        0.11601
        465043.41    3807921.91        0.11532                    465063.41
3807921.91        0.11392
        465083.41    3807921.91        0.11356                    465103.41
3807921.91        0.11321
        465123.41    3807921.91        0.11182                    465143.41
3807921.91        0.11105
        465163.41    3807921.91        0.11033                    465183.41
3807921.91        0.10897
        465203.41    3807921.91        0.10756                    465223.41
3807921.91        0.10621
        465243.41    3807921.91        0.10557                    465263.41
3807921.91        0.10472
        465283.41    3807921.91        0.10341                    465303.41
3807921.91        0.10203
        465323.41    3807921.91        0.10152                    465343.41
3807921.91        0.10243
        465363.41    3807921.91        0.10106                    465383.41
3807921.91        0.10022
        464723.41    3807941.91        0.13841                    464743.41
3807941.91        0.13404
        464763.41    3807941.91        0.13107                    464783.41
3807941.91        0.12954
        464803.41    3807941.91        0.12883                    464823.41
3807941.91        0.12763
        464843.41    3807941.91        0.12682                    464863.41
3807941.91        0.12575
        464883.41    3807941.91        0.12566                    464903.41
3807941.91        0.12425
        464923.41    3807941.91        0.12264                    464943.41
3807941.91        0.12097
        464963.41    3807941.91        0.12016                    464983.41
3807941.91        0.11956
        465003.41    3807941.91        0.11904                    465023.41
3807941.91        0.11812
        465043.41    3807941.91        0.11669                    465063.41
3807941.91        0.11646
        465083.41    3807941.91        0.11586                    465103.41
3807941.91        0.11445
        465123.41    3807941.91        0.11379                    465143.41
3807941.91        0.11283
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         465163.41    3807941.91        0.11146                       465183.41
3807941.91        0.11081
         465203.41    3807941.91        0.10947                       465223.41
3807941.91        0.10833
         465243.41    3807941.91        0.10694                       465263.41
3807941.91        0.10586
         465283.41    3807941.91        0.10588                       465303.41
3807941.91        0.10444
         465323.41    3807941.91        0.10355                       465343.41
3807941.91        0.10320
         465363.41    3807941.91        0.10180                       465383.41
3807941.91        0.10141
         465403.41    3807941.91        0.10086                       465423.41
3807941.91        0.09956
         465443.41    3807941.91        0.09825                       465463.41
3807941.91        0.09687
         465483.41    3807941.91        0.09564                       465503.41
3807941.91        0.09439
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 224
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                                    INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                  L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                  L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                  L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         465523.41    3807941.91        0.09320                       465543.41
3807941.91        0.09258
         465563.41    3807941.91        0.09179                       465583.41
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```
3807941.91        0.09066
         465603.41    3807941.91        0.08949                    465623.41
3807941.91        0.08877
         465643.41    3807941.91        0.08817                    465663.41
3807941.91        0.08712
         465683.41    3807941.91        0.08671                    465703.41
3807941.91        0.08639
         464723.41    3807961.91        0.14452                    464743.41
3807961.91        0.13864
         464763.41    3807961.91        0.13444                    464783.41
3807961.91        0.13238
         464803.41    3807961.91        0.13138                    464823.41
3807961.91        0.13044
         464843.41    3807961.91        0.12897                    464863.41
3807961.91        0.12805
         464883.41    3807961.91        0.12747                    464903.41
3807961.91        0.12594
         464923.41    3807961.91        0.12426                    464943.41
3807961.91        0.12336
         464963.41    3807961.91        0.12200                    464983.41
3807961.91        0.12112
         465003.41    3807961.91        0.12056                    465023.41
3807961.91        0.11952
         465043.41    3807961.91        0.11798                    465063.41
3807961.91        0.11820
         465083.41    3807961.91        0.11738                    465103.41
3807961.91        0.11644
         465123.41    3807961.91        0.11550                    465143.41
3807961.91        0.11422
         465163.41    3807961.91        0.11331                    465183.41
3807961.91        0.11238
         465203.41    3807961.91        0.11114                    465223.41
3807961.91        0.11047
         465243.41    3807961.91        0.10894                    465263.41
3807961.91        0.10787
         465283.41    3807961.91        0.10837                    465303.41
3807961.91        0.10688
         465323.41    3807961.91        0.10603                    465343.41
3807961.91        0.10507
         465363.41    3807961.91        0.10364                    465383.41
3807961.91        0.10266
         465403.41    3807961.91        0.10167                    465423.41
3807961.91        0.10080
         465443.41    3807961.91        0.09951                    465463.41
3807961.91        0.09762
         465483.41    3807961.91        0.09681                    465503.41
3807961.91        0.09559
         465523.41    3807961.91        0.09436                    465543.41
3807961.91        0.09358
         465563.41    3807961.91        0.09242                    465583.41
```

3807961.91   0.09146
         465603.41   3807961.91   0.09048   465623.41
3807961.91   0.08978
         465643.41   3807961.91   0.08909   465663.41
3807961.91   0.08836
         465683.41   3807961.91   0.08769   465703.41
3807961.91   0.08700
         464743.41   3807981.91   0.14409   464763.41
3807981.91   0.13871
         464783.41   3807981.91   0.13552   464803.41
3807981.91   0.13357
         464823.41   3807981.91   0.13293   464843.41
3807981.91   0.13176
         464863.41   3807981.91   0.13000   464883.41
3807981.91   0.12938
         464903.41   3807981.91   0.12779   464923.41
3807981.91   0.12652
         464943.41   3807981.91   0.12575   464963.41
3807981.91   0.12427
         464983.41   3807981.91   0.12315   465003.41
3807981.91   0.12198
         465023.41   3807981.91   0.12095   465043.41
3807981.91   0.11946
         465063.41   3807981.91   0.11949   465083.41
3807981.91   0.11918
         465103.41   3807981.91   0.11840   465123.41
3807981.91   0.11673

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31 ***
                                   INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                 L0006361   , L0006362   , L0006363   , L0006364   , L0006365
, L0006366   , L0006367   , L0006368   ,
                 L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                 L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465143.41	3807981.91	0.11587	465163.41	3807981.91	0.11514
465183.41	3807981.91	0.11364	465203.41	3807981.91	0.11304
465223.41	3807981.91	0.11396	465243.41	3807981.91	0.11236
465263.41	3807981.91	0.11079	465283.41	3807981.91	0.10949
465303.41	3807981.91	0.10829	465323.41	3807981.91	0.10736
465343.41	3807981.91	0.10671	465363.41	3807981.91	0.10532
465383.41	3807981.91	0.10390	465403.41	3807981.91	0.10284
465423.41	3807981.91	0.10175	465443.41	3807981.91	0.10078
465463.41	3807981.91	0.09871	465483.41	3807981.91	0.09771
465503.41	3807981.91	0.09679	465523.41	3807981.91	0.09552
465543.41	3807981.91	0.09455	465563.41	3807981.91	0.09334
465583.41	3807981.91	0.09219	465603.41	3807981.91	0.09158
465623.41	3807981.91	0.09083	465643.41	3807981.91	0.08999
465663.41	3807981.91	0.08968	465683.41	3807981.91	0.08866
465703.41	3807981.91	0.08758	464763.41	3808001.91	0.14416
464783.41	3808001.91	0.13977	464803.41	3808001.91	0.13679
464823.41	3808001.91	0.13657	464843.41	3808001.91	0.13482
464863.41	3808001.91	0.13300	464883.41	3808001.91	0.13232
464903.41	3808001.91	0.13110	464923.41	3808001.91	0.12922
464943.41	3808001.91	0.12745	464963.41	3808001.91	0.12651
464983.41	3808001.91	0.12566	465003.41	3808001.91	0.12394
465023.41	3808001.91	0.12303	465043.41	3808001.91	0.12257

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         465063.41    3808001.91        0.12129                       465083.41
3808001.91        0.12040
         465103.41    3808001.91        0.11958                       465123.41
3808001.91        0.11787
         465143.41    3808001.91        0.11698                       465163.41
3808001.91        0.11629
         465183.41    3808001.91        0.11580                       465203.41
3808001.91        0.11542
         465223.41    3808001.91        0.11493                       465243.41
3808001.91        0.11330
         465263.41    3808001.91        0.11169                       465283.41
3808001.91        0.11066
         465303.41    3808001.91        0.10981                       465323.41
3808001.91        0.10898
         465343.41    3808001.91        0.10756                       465363.41
3808001.91        0.10673
         465383.41    3808001.91        0.10537                       465403.41
3808001.91        0.10424
         465423.41    3808001.91        0.10287                       465443.41
3808001.91        0.10149
         465463.41    3808001.91        0.09975                       465483.41
3808001.91        0.09875
         465503.41    3808001.91        0.09745                       465523.41
3808001.91        0.09643
         465543.41    3808001.91        0.09577                       465563.41
3808001.91        0.09464
         465583.41    3808001.91        0.09342                       465603.41
3808001.91        0.09228
         465623.41    3808001.91        0.09181                       465643.41
3808001.91        0.09145
         465663.41    3808001.91        0.09036                       465683.41
3808001.91        0.08926
         465703.41    3808001.91        0.08822                       464763.41
3808021.91        0.15162
         464783.41    3808021.91        0.14647                       464803.41
3808021.91        0.14224
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 226
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                                   INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                 L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
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L0006369 , L0006370 , L0006371 , L0006372 , L0006373
, L0006374 , L0006375 , L0006376 ,
L0006377 , L0006378 , L0006379 , L0006380 , L0006381
, L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464823.41	3808021.91	0.14007	464843.41	3808021.91	0.13796
464863.41	3808021.91	0.13598	464883.41	3808021.91	0.13480
464903.41	3808021.91	0.13321	464923.41	3808021.91	0.13203
464943.41	3808021.91	0.13008	464963.41	3808021.91	0.12840
464983.41	3808021.91	0.12731	465003.41	3808021.91	0.12626
465023.41	3808021.91	0.12558	465043.41	3808021.91	0.12447
465063.41	3808021.91	0.12339	465083.41	3808021.91	0.12191
465103.41	3808021.91	0.12083	465123.41	3808021.91	0.11979
465143.41	3808021.91	0.11837	465163.41	3808021.91	0.11737
465183.41	3808021.91	0.11721	465203.41	3808021.91	0.11761
465223.41	3808021.91	0.11646	465243.41	3808021.91	0.11537
465263.41	3808021.91	0.11379	465283.41	3808021.91	0.11220
465303.41	3808021.91	0.11138	465323.41	3808021.91	0.11002
465343.41	3808021.91	0.10900	465363.41	3808021.91	0.10800
465383.41	3808021.91	0.10656	465403.41	3808021.91	0.10535
465423.41	3808021.91	0.10412	465443.41	3808021.91	0.10307
465463.41	3808021.91	0.10109	465483.41	3808021.91	0.09994
465503.41	3808021.91	0.09896	465523.41		

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3808021.91        0.09768
         465543.41    3808021.91        0.09658                       465563.41
3808021.91        0.09580
         465583.41    3808021.91        0.09521                       465603.41
3808021.91        0.09399
         465623.41    3808021.91        0.09292                       465643.41
3808021.91        0.09216
         465663.41    3808021.91        0.09101                       465683.41
3808021.91        0.09028
         465703.41    3808021.91        0.08956                       464783.41
3808041.91        0.15401
         464803.41    3808041.91        0.14792                       464823.41
3808041.91        0.14434
         464843.41    3808041.91        0.14177                       464863.41
3808041.91        0.13901
         464883.41    3808041.91        0.13691                       464903.41
3808041.91        0.13573
         464923.41    3808041.91        0.13467                       464943.41
3808041.91        0.13265
         464963.41    3808041.91        0.13065                       464983.41
3808041.91        0.12881
         465003.41    3808041.91        0.12891                       465023.41
3808041.91        0.12773
         465043.41    3808041.91        0.12603                       465063.41
3808041.91        0.12509
         465083.41    3808041.91        0.12389                       465103.41
3808041.91        0.12225
         465123.41    3808041.91        0.12136                       465143.41
3808041.91        0.12020
         465163.41    3808041.91        0.11863                       465183.41
3808041.91        0.11830
         465203.41    3808041.91        0.11922                       465223.41
3808041.91        0.11762
         465243.41    3808041.91        0.11721                       465263.41
3808041.91        0.11569
         465283.41    3808041.91        0.11410                       465303.41
3808041.91        0.11246
         465323.41    3808041.91        0.11141                       465343.41
3808041.91        0.11045
         465363.41    3808041.91        0.10922                       465383.41
3808041.91        0.10772
         465403.41    3808041.91        0.10628                       465423.41
3808041.91        0.10545
         465443.41    3808041.91        0.10413                       465463.41
3808041.91        0.10197
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***

INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 , L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 , L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 , L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465483.41	3808041.91	0.10122	465503.41	3808041.91	0.10032
465523.41	3808041.91	0.09905	465543.41	3808041.91	0.09774
465563.41	3808041.91	0.09718	465583.41	3808041.91	0.09645
465603.41	3808041.91	0.09522	465623.41	3808041.91	0.09401
465643.41	3808041.91	0.09284	465663.41	3808041.91	0.09176
465683.41	3808041.91	0.09132	465703.41	3808041.91	0.09069
464803.41	3808061.91	0.15412	464823.41	3808061.91	0.15046
464843.41	3808061.91	0.14549	464863.41	3808061.91	0.14216
464883.41	3808061.91	0.13997	464903.41	3808061.91	0.13836
464923.41	3808061.91	0.13632	464943.41	3808061.91	0.13422
464963.41	3808061.91	0.13216	464983.41	3808061.91	0.13027
465003.41	3808061.91	0.13034	465023.41	3808061.91	0.12984
465043.41	3808061.91	0.12880	465063.41	3808061.91	0.12693

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         465083.41    3808061.91        0.12585                    465103.41
3808061.91        0.12484
         465123.41    3808061.91        0.12305                    465143.41
3808061.91        0.12164
         465163.41    3808061.91        0.12176                    465183.41
3808061.91        0.12118
         465203.41    3808061.91        0.12083                    465223.41
3808061.91        0.12000
         465243.41    3808061.91        0.11830                    465263.41
3808061.91        0.11719
         465283.41    3808061.91        0.11581                    465303.41
3808061.91        0.11414
         465323.41    3808061.91        0.11288                    465343.41
3808061.91        0.11162
         465363.41    3808061.91        0.11073                    465383.41
3808061.91        0.10930
         465403.41    3808061.91        0.10779                    465423.41
3808061.91        0.10636
         465443.41    3808061.91        0.10492                    465463.41
3808061.91        0.10341
         465483.41    3808061.91        0.10207                    465503.41
3808061.91        0.10148
         465523.41    3808061.91        0.10099                    465543.41
3808061.91        0.09966
         465563.41    3808061.91        0.09840                    465583.41
3808061.91        0.09718
         465603.41    3808061.91        0.09593                    465623.41
3808061.91        0.09472
         465643.41    3808061.91        0.09359                    465663.41
3808061.91        0.09322
         465683.41    3808061.91        0.09247                    465703.41
3808061.91        0.09138
         464823.41    3808081.91        0.15401                    464843.41
3808081.91        0.15107
         464863.41    3808081.91        0.14786                    464883.41
3808081.91        0.14419
         464903.41    3808081.91        0.14054                    464923.41
3808081.91        0.13797
         464943.41    3808081.91        0.13581                    464963.41
3808081.91        0.13398
         464983.41    3808081.91        0.13318                    465003.41
3808081.91        0.13191
         465023.41    3808081.91        0.13130                    465043.41
3808081.91        0.13028
         465063.41    3808081.91        0.12827                    465083.41
3808081.91        0.12717
         465103.41    3808081.91        0.12626                    465123.41
3808081.91        0.12470
         465143.41    3808081.91        0.12407                    465163.41
3808081.91        0.12502
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 ,
L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 ,
L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 ,
L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465263.41	3808081.91	0.11842	465283.41	3808081.91	0.11721
465303.41	3808081.91	0.11551	465323.41	3808081.91	0.11425
465343.41	3808081.91	0.11316	465363.41	3808081.91	0.11177
465383.41	3808081.91	0.11026	465403.41	3808081.91	0.10908
465423.41	3808081.91	0.10802	465443.41	3808081.91	0.10692
465463.41	3808081.91	0.10464	465483.41	3808081.91	0.10367
465503.41	3808081.91	0.10278	465523.41	3808081.91	0.10190
465543.41	3808081.91	0.10105	465563.41	3808081.91	0.10002
465583.41	3808081.91	0.09874	465603.41		

3808081.91 0.09748
465623.41 3808081.91 0.09625 465643.41
3808081.91 0.09507
465663.41 3808081.91 0.09434 465683.41
3808081.91 0.09324
465703.41 3808081.91 0.09213 464843.41
3808101.91 0.15470
464863.41 3808101.91 0.15183 464883.41
3808101.91 0.14767
464903.41 3808101.91 0.14368 464923.41
3808101.91 0.13989
464943.41 3808101.91 0.13766 464963.41
3808101.91 0.13682
464983.41 3808101.91 0.13607 465003.41
3808101.91 0.13406
465023.41 3808101.91 0.13283 465043.41
3808101.91 0.13166
465063.41 3808101.91 0.12974 465083.41
3808101.91 0.12866
465103.41 3808101.91 0.12775 465123.41
3808101.91 0.12728
465143.41 3808101.91 0.12753 465163.41
3808101.91 0.12620
465183.41 3808101.91 0.12579 465203.41
3808101.91 0.12411
465223.41 3808101.91 0.12275 465243.41
3808101.91 0.12129
465263.41 3808101.91 0.11997 465283.41
3808101.91 0.11822
465303.41 3808101.91 0.11683 465323.41
3808101.91 0.11575
465343.41 3808101.91 0.11473 465363.41
3808101.91 0.11318
465383.41 3808101.91 0.11162 465403.41
3808101.91 0.11035
465423.41 3808101.91 0.10978 465443.41
3808101.91 0.10838
465463.41 3808101.91 0.10586 465483.41
3808101.91 0.10537
465503.41 3808101.91 0.10412 465523.41
3808101.91 0.10315
465543.41 3808101.91 0.10263 465563.41
3808101.91 0.10139
465583.41 3808101.91 0.10009 465603.41
3808101.91 0.09882
465623.41 3808101.91 0.09757 465643.41
3808101.91 0.09637
465663.41 3808101.91 0.09525 465683.41
3808101.91 0.09410
465703.41 3808101.91 0.09302 464863.41

3808121.91   0.15382
         464883.41   3808121.91   0.14955   464903.41
3808121.91   0.14678
         464923.41   3808121.91   0.14383   464943.41
3808121.91   0.14150
         464963.41   3808121.91   0.13975   464983.41
3808121.91   0.13769
         465003.41   3808121.91   0.13657   465023.41
3808121.91   0.13509
         465043.41   3808121.91   0.13313   465063.41
3808121.91   0.13207
         465083.41   3808121.91   0.13109   465103.41
3808121.91   0.13119

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                    INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                                       L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                                       L0006369   , L0006370   , L0006371   , L0006372   , L0006373 , L0006374   , L0006375   , L0006376   ,
                                       L0006377   , L0006378   , L0006379   , L0006380   , L0006381 , L0006382   , L0006383   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

```
        465283.41    3808121.91        0.11955                    465303.41
3808121.91        0.11854
        465323.41    3808121.91        0.11700                    465343.41
3808121.91        0.11576
        465363.41    3808121.91        0.11506                    465383.41
3808121.91        0.11387
        465403.41    3808121.91        0.11230                    465423.41
3808121.91        0.11080
        465443.41    3808121.91        0.10929                    465463.41
3808121.91        0.10772
        465483.41    3808121.91        0.10633                    465503.41
3808121.91        0.10546
        465523.41    3808121.91        0.10488                    465543.41
3808121.91        0.10357
        465563.41    3808121.91        0.10224                    465583.41
3808121.91        0.10093
        465603.41    3808121.91        0.09965                    465623.41
3808121.91        0.09839
        465643.41    3808121.91        0.09722                    465663.41
3808121.91        0.09662
        465683.41    3808121.91        0.09577                    465703.41
3808121.91        0.09461
        464883.41    3808141.91        0.15321                    464903.41
3808141.91        0.14902
        464923.41    3808141.91        0.14620                    464943.41
3808141.91        0.14379
        464963.41    3808141.91        0.14143                    464983.41
3808141.91        0.13923
        465003.41    3808141.91        0.13818                    465023.41
3808141.91        0.13662
        465043.41    3808141.91        0.13453                    465063.41
3808141.91        0.13354
        465083.41    3808141.91        0.13298                    465103.41
3808141.91        0.13415
        465123.41    3808141.91        0.13202                    465143.41
3808141.91        0.13070
        465163.41    3808141.91        0.12931                    465183.41
3808141.91        0.12820
        465203.41    3808141.91        0.12701                    465223.41
3808141.91        0.12585
        465243.41    3808141.91        0.12395                    465263.41
3808141.91        0.12253
        465283.41    3808141.91        0.12130                    465303.41
3808141.91        0.11975
        465323.41    3808141.91        0.11858                    465343.41
3808141.91        0.11768
        465363.41    3808141.91        0.11654                    465383.41
3808141.91        0.11496
        465403.41    3808141.91        0.11339                    465423.41
3808141.91        0.11235
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         465443.41    3808141.91        0.11112                       465463.41
3808141.91        0.10961
         465483.41    3808141.91        0.10813                       465503.41
3808141.91        0.10683
         465523.41    3808141.91        0.10590                       465543.41
3808141.91        0.10473
         465563.41    3808141.91        0.10373                       465583.41
3808141.91        0.10240
         465603.41    3808141.91        0.10110                       465623.41
3808141.91        0.09983
         465643.41    3808141.91        0.09862                       465663.41
3808141.91        0.09781
         465683.41    3808141.91        0.09708                       465703.41
3808141.91        0.09607
         464883.41    3808161.91        0.15667                       464903.41
3808161.91        0.15191
         464923.41    3808161.91        0.14820                       464943.41
3808161.91        0.14572
         464963.41    3808161.91        0.14328                       464983.41
3808161.91        0.14101
         465003.41    3808161.91        0.13974                       465023.41
3808161.91        0.13819
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 230
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                                  INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                  L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                  L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                  L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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465043.41	3808161.91	0.13618	465063.41	3808161.91	0.13557
465083.41	3808161.91	0.13475	465103.41	3808161.91	0.13578
465123.41	3808161.91	0.13400	465143.41	3808161.91	0.13261
465163.41	3808161.91	0.13155	465183.41	3808161.91	0.12960
465203.41	3808161.91	0.12828	465223.41	3808161.91	0.12704
465243.41	3808161.91	0.12547	465263.41	3808161.91	0.12424
465283.41	3808161.91	0.12308	465303.41	3808161.91	0.12136
465323.41	3808161.91	0.12046	465343.41	3808161.91	0.11937
465363.41	3808161.91	0.11775	465383.41	3808161.91	0.11644
465403.41	3808161.91	0.11487	465423.41	3808161.91	0.11418
465443.41	3808161.91	0.11272	465463.41	3808161.91	0.11121
465483.41	3808161.91	0.10979	465503.41	3808161.91	0.10835
465523.41	3808161.91	0.10699	465543.41	3808161.91	0.10645
465563.41	3808161.91	0.10518	465583.41	3808161.91	0.10384
465603.41	3808161.91	0.10252	465623.41	3808161.91	0.10157
465643.41	3808161.91	0.10036	465663.41	3808161.91	0.09913
465683.41	3808161.91	0.09813	465703.41	3808161.91	0.09773
464903.41	3808181.91	0.15560	464923.41	3808181.91	0.15177
464943.41	3808181.91	0.14919	464963.41	3808181.91	0.14667
464983.41	3808181.91	0.14422	465003.41	3808181.91	0.14190
465023.41	3808181.91	0.14048	465043.41	3808181.91	0.13928
465063.41	3808181.91	0.13850	465083.41	3808181.91	0.13773
465103.41	3808181.91	0.13750	465123.41	3808181.91	0.13618
465143.41	3808181.91	0.13489	465163.41	3808181.91	0.13289
465183.41	3808181.91	0.13164	465203.41		

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3808181.91        0.13017
         465223.41    3808181.91        0.12857                        465243.41
3808181.91        0.12741
         465263.41    3808181.91        0.12568                        465283.41
3808181.91        0.12428
         465303.41    3808181.91        0.12347                        465323.41
3808181.91        0.12218
         465343.41    3808181.91        0.12053                        465363.41
3808181.91        0.11978
         465383.41    3808181.91        0.11853                        465403.41
3808181.91        0.11688
         465423.41    3808181.91        0.11532                        465443.41
3808181.91        0.11376
         465463.41    3808181.91        0.11228                        465483.41
3808181.91        0.11144
         465503.41    3808181.91        0.11032                        465523.41
3808181.91        0.10887
         465543.41    3808181.91        0.10752                        465563.41
3808181.91        0.10615
         465583.41    3808181.91        0.10479                        465603.41
3808181.91        0.10347
         465623.41    3808181.91        0.10268                        465643.41
3808181.91        0.10195
         465663.41    3808181.91        0.10070                        465683.41
3808181.91        0.09951
         465703.41    3808181.91        0.09867                        464923.41
3808201.91        0.15602
         464943.41    3808201.91        0.15242                        464963.41
3808201.91        0.14966
         464983.41    3808201.91        0.14711                        465003.41
3808201.91        0.14461
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 231
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                                   INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                  L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                  L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                  L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465023.41	3808201.91	0.14316	465043.41	3808201.91	0.14225
465063.41	3808201.91	0.14115	465083.41	3808201.91	0.14132
465103.41	3808201.91	0.13973	465123.41	3808201.91	0.13842
465143.41	3808201.91	0.13648	465163.41	3808201.91	0.13498
465183.41	3808201.91	0.13350	465203.41	3808201.91	0.13196
465223.41	3808201.91	0.13056	465243.41	3808201.91	0.12881
465263.41	3808201.91	0.12749	465283.41	3808201.91	0.12645
465303.41	3808201.91	0.12515	465323.41	3808201.91	0.12390
465343.41	3808201.91	0.12261	465363.41	3808201.91	0.12140
465383.41	3808201.91	0.11991	465403.41	3808201.91	0.11875
465423.41	3808201.91	0.11710	465443.41	3808201.91	0.11550
465463.41	3808201.91	0.11397	465483.41	3808201.91	0.11289
465503.41	3808201.91	0.11145	465523.41	3808201.91	0.10999
465543.41	3808201.91	0.10855	465563.41	3808201.91	0.10759
465583.41	3808201.91	0.10639	465603.41	3808201.91	0.10504
465623.41	3808201.91	0.10413	465643.41	3808201.91	0.10327
465663.41	3808201.91	0.10200	465683.41	3808201.91	0.10112
465703.41	3808201.91	0.10035	464943.41	3808221.91	0.15623
464963.41	3808221.91	0.15272	464983.41	3808221.91	0.15009
465003.41	3808221.91	0.14752	465023.41	3808221.91	0.14622

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         465043.41    3808221.91        0.14717                        465063.41
3808221.91        0.14513
         465083.41    3808221.91        0.14359                        465103.41
3808221.91        0.14241
         465123.41    3808221.91        0.14010                        465143.41
3808221.91        0.13854
         465163.41    3808221.91        0.13710                        465183.41
3808221.91        0.13532
         465203.41    3808221.91        0.13391                        465223.41
3808221.91        0.13258
         465243.41    3808221.91        0.13065                        465263.41
3808221.91        0.12962
         465283.41    3808221.91        0.12837                        465303.41
3808221.91        0.12657
         465323.41    3808221.91        0.12561                        465343.41
3808221.91        0.12445
         465363.41    3808221.91        0.12276                        465383.41
3808221.91        0.12163
         465403.41    3808221.91        0.12048                        465423.41
3808221.91        0.11882
         465443.41    3808221.91        0.11719                        465463.41
3808221.91        0.11561
         465483.41    3808221.91        0.11405                        465503.41
3808221.91        0.11290
         465523.41    3808221.91        0.11147                        465543.41
3808221.91        0.11002
         465563.41    3808221.91        0.10883                        465583.41
3808221.91        0.10828
         465603.41    3808221.91        0.10691                        465623.41
3808221.91        0.10563
         465643.41    3808221.91        0.10461                        465663.41
3808221.91        0.10332
         465683.41    3808221.91        0.10254                        465703.41
3808221.91        0.10181
         464963.41    3808241.91        0.15682                        464983.41
3808241.91        0.15410
         465003.41    3808241.91        0.15144                        465023.41
3808241.91        0.14955
         465043.41    3808241.91        0.14915                        465063.41
3808241.91        0.14761
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 232
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
```

INCLUDING SOURCE(S): L0006356 , L0006357
, L0006358 , L0006359 , L0006360 ,
L0006361 , L0006362 , L0006363 , L0006364 , L0006365
, L0006366 , L0006367 , L0006368 ,
L0006369 , L0006370 , L0006371 , L0006372 , L0006373
, L0006374 , L0006375 , L0006376 ,
L0006377 , L0006378 , L0006379 , L0006380 , L0006381
, L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465083.41	3808241.91	0.14684	465103.41	3808241.91	0.14490
465123.41	3808241.91	0.14254	465143.41	3808241.91	0.14069
465163.41	3808241.91	0.13887	465183.41	3808241.91	0.13753
465203.41	3808241.91	0.13559	465223.41	3808241.91	0.13400
465243.41	3808241.91	0.13304	465263.41	3808241.91	0.13157
465283.41	3808241.91	0.12973	465303.41	3808241.91	0.12885
465323.41	3808241.91	0.12748	465343.41	3808241.91	0.12576
465363.41	3808241.91	0.12469	465383.41	3808241.91	0.12337
465403.41	3808241.91	0.12169	465423.41	3808241.91	0.12001
465443.41	3808241.91	0.11837	465463.41	3808241.91	0.11676
465483.41	3808241.91	0.11519	465503.41	3808241.91	0.11421
465523.41	3808241.91	0.11331	465543.41	3808241.91	0.11183
465563.41	3808241.91	0.11043	465583.41	3808241.91	0.10935
465603.41	3808241.91	0.10797	465623.41	3808241.91	0.10736
465643.41	3808241.91	0.10656	465663.41	3808241.91	0.10525
465683.41	3808241.91	0.10400	465703.41		

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3808241.91        0.10285
         464983.41    3808261.91        0.16192                       465003.41
3808261.91        0.15836
         465023.41    3808261.91        0.15553                       465043.41
3808261.91        0.15294
         465063.41    3808261.91        0.15107                       465083.41
3808261.91        0.14882
         465103.41    3808261.91        0.14735                       465123.41
3808261.91        0.14525
         465143.41    3808261.91        0.14340                       465163.41
3808261.91        0.14115
         465183.41    3808261.91        0.13917                       465203.41
3808261.91        0.13765
         465223.41    3808261.91        0.13644                       465243.41
3808261.91        0.13496
         465263.41    3808261.91        0.13300                       465283.41
3808261.91        0.13109
         465303.41    3808261.91        0.13026                       465323.41
3808261.91        0.12902
         465343.41    3808261.91        0.12774                       465363.41
3808261.91        0.12641
         465383.41    3808261.91        0.12518                       465403.41
3808261.91        0.12363
         465423.41    3808261.91        0.12192                       465443.41
3808261.91        0.12025
         465463.41    3808261.91        0.11861                       465483.41
3808261.91        0.11702
         465503.41    3808261.91        0.11591                       465523.41
3808261.91        0.11485
         465543.41    3808261.91        0.11335                       465563.41
3808261.91        0.11228
         465583.41    3808261.91        0.11130                       465603.41
3808261.91        0.10989
         465623.41    3808261.91        0.10891                       465643.41
3808261.91        0.10774
         465663.41    3808261.91        0.10688                       465683.41
3808261.91        0.10588
         465703.41    3808261.91        0.10463                       465003.41
3808281.91        0.16313
         465023.41    3808281.91        0.15966                       465043.41
3808281.91        0.15686
         465063.41    3808281.91        0.15432                       465083.41
3808281.91        0.15171
         465103.41    3808281.91        0.14918                       465123.41
3808281.91        0.14760
         465143.41    3808281.91        0.14536                       465163.41
3808281.91        0.14344
         465183.41    3808281.91        0.14128                       465203.41
3808281.91        0.14006
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                 INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                  L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                  L0006369   , L0006370   , L0006371   , L0006372   , L0006373 , L0006374   , L0006375   , L0006376   ,
                  L0006377   , L0006378   , L0006379   , L0006380   , L0006381 , L0006382   , L0006383   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

```
         465663.41    3808281.91        0.10844                    465683.41
3808281.91        0.10753
         465703.41    3808281.91        0.10628                    465003.41
3808301.91        0.16732
         465023.41    3808301.91        0.16365                    465043.41
3808301.91        0.15977
         465063.41    3808301.91        0.15874                    465083.41
3808301.91        0.15550
         465103.41    3808301.91        0.15180                    465123.41
3808301.91        0.14939
         465143.41    3808301.91        0.14699                    465163.41
3808301.91        0.14510
         465183.41    3808301.91        0.14396                    465203.41
3808301.91        0.14229
         465223.41    3808301.91        0.14013                    465243.41
3808301.91        0.13798
         465263.41    3808301.91        0.13655                    465283.41
3808301.91        0.13558
         465303.41    3808301.91        0.13442                    465323.41
3808301.91        0.13294
         465343.41    3808301.91        0.13148                    465363.41
3808301.91        0.13035
         465383.41    3808301.91        0.12901                    465403.41
3808301.91        0.12731
         465423.41    3808301.91        0.12683                    465443.41
3808301.91        0.12521
         465463.41    3808301.91        0.12208                    465483.41
3808301.91        0.12043
         465503.41    3808301.91        0.11883                    465523.41
3808301.91        0.11732
         465543.41    3808301.91        0.11698                    465563.41
3808301.91        0.11561
         465583.41    3808301.91        0.11418                    465603.41
3808301.91        0.11273
         465623.41    3808301.91        0.11182                    465643.41
3808301.91        0.11122
         465663.41    3808301.91        0.10990                    465683.41
3808301.91        0.10879
         465703.41    3808301.91        0.10824                    465043.41
3808321.91        0.16424
         465063.41    3808321.91        0.16142                    465083.41
3808321.91        0.15812
         465103.41    3808321.91        0.15527                    465123.41
3808321.91        0.15272
         465143.41    3808321.91        0.15024                    465163.41
3808321.91        0.14787
         465183.41    3808321.91        0.14616                    465203.41
3808321.91        0.14395
         465223.41    3808321.91        0.14176                    465243.41
3808321.91        0.14023
```

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31 ***
                                  INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                  L0006361   , L0006362   , L0006363   , L0006364   , L0006365
, L0006366   , L0006367   , L0006368   ,
                  L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                  L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465423.41   3808321.91   0.12834   465443.41
3808321.91   0.12665
         465463.41   3808321.91   0.12431   465483.41
3808321.91   0.12264
         465503.41   3808321.91   0.12100   465523.41
3808321.91   0.11944
         465543.41   3808321.91   0.11836   465563.41
3808321.91   0.11689
         465583.41   3808321.91   0.11542   465603.41
3808321.91   0.11444
         465623.41   3808321.91   0.11344   465643.41
3808321.91   0.11248
         465663.41   3808321.91   0.11156   465683.41

3808321.91 0.11062
465703.41 3808321.91 0.10972 465083.41
3808341.91 0.16118
465103.41 3808341.91 0.15848 465123.41
3808341.91 0.15535
465143.41 3808341.91 0.15279 465163.41
3808341.91 0.15033
465183.41 3808341.91 0.14793 465203.41
3808341.91 0.14568
465223.41 3808341.91 0.14395 465243.41
3808341.91 0.14282
465263.41 3808341.91 0.14150 465283.41
3808341.91 0.14010
465303.41 3808341.91 0.13847 465323.41
3808341.91 0.13716
465343.41 3808341.91 0.13619 465363.41
3808341.91 0.13424
465383.41 3808341.91 0.13290 465403.41
3808341.91 0.13166
465423.41 3808341.91 0.12992 465443.41
3808341.91 0.12817
465463.41 3808341.91 0.12629 465483.41
3808341.91 0.12458
465503.41 3808341.91 0.12292 465523.41
3808341.91 0.12130
465543.41 3808341.91 0.11979 465563.41
3808341.91 0.11826
465583.41 3808341.91 0.11708 465603.41
3808341.91 0.11616
465623.41 3808341.91 0.11512 465643.41
3808341.91 0.11380
465663.41 3808341.91 0.11322 465683.41
3808341.91 0.11224
465703.41 3808341.91 0.11124 465103.41
3808361.91 0.16119
465123.41 3808361.91 0.15774 465143.41
3808361.91 0.15460
465163.41 3808361.91 0.15210 465183.41
3808361.91 0.14967
465203.41 3808361.91 0.14802 465223.41
3808361.91 0.14679
465243.41 3808361.91 0.14459 465263.41
3808361.91 0.14314
465283.41 3808361.91 0.14214 465303.41
3808361.91 0.14081
465323.41 3808361.91 0.14019 465343.41
3808361.91 0.13886
465363.41 3808361.91 0.13687 465383.41
3808361.91 0.13497
465403.41 3808361.91 0.13319 465423.41

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3808361.91        0.13232
         465443.41    3808361.91        0.13092                       465463.41
3808361.91        0.12769
         465483.41    3808361.91        0.12596                       465503.41
3808361.91        0.12427
         465523.41    3808361.91        0.12268                       465543.41
3808361.91        0.12198
         465563.41    3808361.91        0.12079                       465583.41
3808361.91        0.11924
         465603.41    3808361.91        0.11777                       465623.41
3808361.91        0.11653
         465643.41    3808361.91        0.11587                       465663.41
3808361.91        0.11476
         465683.41    3808361.91        0.11384                       465703.41
3808361.91        0.11323
         465183.41    3808381.91        0.15335                       465203.41
3808381.91        0.15119
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 235
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                                   INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                  L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                  L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                  L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465223.41    3808381.91        0.14947                       465243.41
3808381.91        0.14777
         465263.41    3808381.91        0.14631                       465283.41
3808381.91        0.14529
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         465303.41    3808381.91        0.14401                    465323.41
3808381.91        0.14261
         465343.41    3808381.91        0.14155                    465363.41
3808381.91        0.13952
         465383.41    3808381.91        0.13754                    465403.41
3808381.91        0.13563
         465423.41    3808381.91        0.13427                    465443.41
3808381.91        0.13247
         465463.41    3808381.91        0.13005                    465483.41
3808381.91        0.12828
         465503.41    3808381.91        0.12656                    465523.41
3808381.91        0.12491
         465543.41    3808381.91        0.12375                    465563.41
3808381.91        0.12234
         465583.41    3808381.91        0.12121                    465603.41
3808381.91        0.11966
         465623.41    3808381.91        0.11852                    465643.41
3808381.91        0.11749
         465663.41    3808381.91        0.11649                    465683.41
3808381.91        0.11550
         465703.41    3808381.91        0.11477                    465303.41
3808401.91        0.14708
         465323.41    3808401.91        0.14546                    465343.41
3808401.91        0.14399
         465363.41    3808401.91        0.14191                    465383.41
3808401.91        0.13989
         465403.41    3808401.91        0.13791                    465423.41
3808401.91        0.13598
         465443.41    3808401.91        0.13410                    465463.41
3808401.91        0.13225
         465483.41    3808401.91        0.13045                    465503.41
3808401.91        0.12869
         465523.41    3808401.91        0.12697                    465543.41
3808401.91        0.12529
         465563.41    3808401.91        0.12417                    465583.41
3808401.91        0.12338
         465603.41    3808401.91        0.12179                    465623.41
3808401.91        0.12028
         465643.41    3808401.91        0.11915                    465663.41
3808401.91        0.11850
         465683.41    3808401.91        0.11743                    465703.41
3808401.91        0.11635
         465323.41    3808421.91        0.14889                    465343.41
3808421.91        0.14677
         465363.41    3808421.91        0.14465                    465383.41
3808421.91        0.14258
         465403.41    3808421.91        0.14056                    465423.41
3808421.91        0.13859
         465443.41    3808421.91        0.13666                    465463.41
3808421.91        0.13478
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         465483.41    3808421.91        0.13294                       465503.41
3808421.91        0.13115
         465523.41    3808421.91        0.12939                       465543.41
3808421.91        0.12767
         465563.41    3808421.91        0.12603                       465583.41
3808421.91        0.12472
         465603.41    3808421.91        0.12311                       465623.41
3808421.91        0.12204
         465643.41    3808421.91        0.12130                       465663.41
3808421.91        0.12010
         465683.41    3808421.91        0.11909                       465703.41
3808421.91        0.11839
         465323.41    3808441.91        0.15183                       465343.41
3808441.91        0.14957
         465363.41    3808441.91        0.14684                       465383.41
3808441.91        0.14465
         465403.41    3808441.91        0.14259                       465423.41
3808441.91        0.14059
         465443.41    3808441.91        0.13862                       465463.41
3808441.91        0.13671
         465483.41    3808441.91        0.13484                       465503.41
3808441.91        0.13301
         465523.41    3808441.91        0.13122                       465543.41
3808441.91        0.12947
         465563.41    3808441.91        0.12776                       465583.41
3808441.91        0.12609
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 236
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                                  INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                  L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                  L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                  L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465603.41	3808441.91	0.12445	465623.41	3808441.91	0.12339
465643.41	3808441.91	0.12298	465663.41	3808441.91	0.12188
465683.41	3808441.91	0.12079	465703.41	3808441.91	0.11994
465343.41	3808461.91	0.15274	465363.41	3808461.91	0.14918
465383.41	3808461.91	0.14686	465403.41	3808461.91	0.14437
465423.41	3808461.91	0.14232	465443.41	3808461.91	0.14033
465463.41	3808461.91	0.13838	465483.41	3808461.91	0.13648
465503.41	3808461.91	0.13456	465523.41	3808461.91	0.13268
465543.41	3808461.91	0.13091	465563.41	3808461.91	0.12917
465583.41	3808461.91	0.12747	465603.41	3808461.91	0.12581
465623.41	3808461.91	0.12473	465643.41	3808461.91	0.12432
465663.41	3808461.91	0.12364	465683.41	3808461.91	0.12272
465703.41	3808461.91	0.12120	465343.41	3808481.91	0.15600
465363.41	3808481.91	0.15333	465383.41	3808481.91	0.15053
465403.41	3808481.91	0.14743	465423.41	3808481.91	0.14534
465443.41	3808481.91	0.14329	465463.41	3808481.91	0.14130
465483.41	3808481.91	0.13935	465503.41	3808481.91	0.13661
465523.41	3808481.91	0.13416	465543.41	3808481.91	0.13236
465563.41	3808481.91	0.13060	465583.41	3808481.91	0.12887
465603.41	3808481.91	0.12719	465623.41	3808481.91	0.12608
465643.41	3808481.91	0.12565	465663.41	3808481.91	0.12495
465683.41	3808481.91	0.12401	465703.41	3808481.91	0.12276
465463.41	3808501.91	0.14332	465483.41		

3808501.91   0.14186
         465503.41   3808501.91   0.13941   465523.41
3808501.91   0.13629
         465543.41   3808501.91   0.13445   465563.41
3808501.91   0.13251
         465583.41   3808501.91   0.13033   465603.41
3808501.91   0.12911
         465623.41   3808501.91   0.12790   465643.41
3808501.91   0.12700
         465663.41   3808501.91   0.12627   465683.41
3808501.91   0.12531
         465703.41   3808501.91   0.12405   465523.41
3808521.91   0.13910
         465543.41   3808521.91   0.13721   465563.41
3808521.91   0.13454
         465583.41   3808521.91   0.13219   465603.41
3808521.91   0.13132
         465623.41   3808521.91   0.13003   465643.41
3808521.91   0.12872
         465663.41   3808521.91   0.12790   465683.41
3808521.91   0.12693
         465703.41   3808521.91   0.12541   464239.31
3809562.31   0.66432
         464277.31   3809562.31   0.63195   463745.31
3809591.37   1.41364
         463783.31   3809591.37   1.31785   463821.31
3809591.37   1.23200
         463859.31   3809591.37   1.15916   463897.31
3809591.37   1.09813
         463935.31   3809591.37   1.03470   464239.31
3809591.37   0.65379
         464277.31   3809591.37   0.62232   463745.31
3809620.43   1.34962
         463783.31   3809620.43   1.26434   463821.31
3809620.43   1.18952

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                    INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                  L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                  L0006369   , L0006370   , L0006371   , L0006372   , L0006373

, L0006374   , L0006375   , L0006376   ,
                L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         463859.31    3809678.55        1.03784                    463897.31
3809678.55        0.98537
         463935.31    3809678.55        0.93596                    463973.31
3809678.55        0.88544
         464011.31    3809678.55        0.83805                    464049.31
3809678.55        0.79696
         464087.31    3809678.55        0.75480                    464125.31
3809678.55        0.71682
         464163.31    3809678.55        0.68143                    464201.31
3809678.55        0.64943
         464239.31    3809678.55        0.61867                    464277.31
3809678.55        0.59037
         464315.31    3809678.55        0.56417                    464353.31
3809678.55        0.54042
         464391.31    3809678.55        0.51792                    464429.31
3809678.55        0.49644
         464467.31    3809678.55        0.47698                    464505.31
3809678.55        0.45788
         463745.31    3809707.61        1.15151                    463783.31
3809707.61        1.09693
         463821.31    3809707.61        1.04698                    463859.31
3809707.61        0.99693
         463897.31    3809707.61        0.94793                    463935.31
3809707.61        0.90338
         463973.31    3809707.61        0.85788                    464011.31
3809707.61        0.81391
         464049.31    3809707.61        0.77444                    464087.31
3809707.61        0.73608
         464125.31    3809707.61        0.70031                    464163.31
3809707.61        0.66716
         464201.31    3809707.61        0.63549                    464239.31
3809707.61        0.60641
         464277.31    3809707.61        0.57910                    464315.31
3809707.61        0.55442
         464353.31    3809707.61        0.53055                    464391.31
3809707.61        0.50905
         464429.31    3809707.61        0.48824                    464467.31
3809707.61        0.46922
         464505.31    3809707.61        0.45131                    463745.31
3809736.67        1.09682
         463783.31    3809736.67        1.04248                    463821.31
3809736.67        0.99400
         463859.31    3809736.67        0.95163                    463897.31
3809736.67        0.90983
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 ,
L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 ,
L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 ,
L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463935.31	3809736.67	0.86807	463973.31	3809736.67	0.82959
464011.31	3809736.67	0.79101	464049.31	3809736.67	0.75292
464087.31	3809736.67	0.71788	464125.31	3809736.67	0.68409
464163.31	3809736.67	0.65268	464201.31	3809736.67	0.62195
464239.31	3809736.67	0.59435	464277.31	3809736.67	0.56806
464315.31	3809736.67	0.54365	464353.31	3809736.67	0.52106
464391.31	3809736.67	0.50012	464429.31	3809736.67	0.48000
464467.31	3809736.67	0.46178	464505.31	3809736.67	0.44462
463745.31	3809765.73	1.04615	463783.31	3809765.73	0.99474
463821.31	3809765.73	0.94801	463859.31	3809765.73	0.90813
463897.31	3809765.73	0.87206	463935.31	3809765.73	0.83259
463973.31	3809765.73	0.79598	464011.31	3809765.73	0.76609
464049.31	3809765.73	0.73257	464087.31	3809765.73	0.69914
464125.31	3809765.73	0.66791	464163.31		

3809765.73 0.63800
464201.31 3809765.73 0.60864 464239.31 3809765.73 0.58221
464277.31 3809765.73 0.55698 464315.31 3809765.73 0.53315
464353.31 3809765.73 0.51166 464391.31 3809765.73 0.49086
464429.31 3809765.73 0.47199 464467.31 3809765.73 0.45450
464505.31 3809765.73 0.43719 463745.31 3809794.79 0.99869
463783.31 3809794.79 0.94753 463821.31 3809794.79 0.90439
463859.31 3809794.79 0.86546 463897.31 3809794.79 0.83246
463935.31 3809794.79 0.79681 463973.31 3809794.79 0.76359
464011.31 3809794.79 0.73705 464049.31 3809794.79 0.71151
464087.31 3809794.79 0.68054 464125.31 3809794.79 0.65065
464163.31 3809794.79 0.62227 464201.31 3809794.79 0.59515
464239.31 3809794.79 0.56932 464277.31 3809794.79 0.54525
464315.31 3809794.79 0.52273 464353.31 3809794.79 0.50139
464391.31 3809794.79 0.48188 464429.31 3809794.79 0.46396
464467.31 3809794.79 0.44638 464505.31 3809794.79 0.42999
463745.31 3809823.85 0.95425 463783.31 3809823.85 0.90360
463821.31 3809823.85 0.85884 463859.31 3809823.85 0.82430
463897.31 3809823.85 0.79271 463935.31 3809823.85 0.76067
463973.31 3809823.85 0.73183 464011.31 3809823.85 0.70687
464049.31 3809823.85 0.68582 464087.31 3809823.85 0.66096
464125.31 3809823.85 0.63383 464163.31 3809823.85 0.60692
464201.31 3809823.85 0.58079 464239.31 3809823.85 0.55660
464277.31 3809823.85 0.53363 464315.31 3809823.85 0.51157
464353.31 3809823.85 0.49139 464391.31 3809823.85 0.47277
464429.31 3809823.85 0.45506 464467.31

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31 ***
                                  INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                  L0006361   , L0006362   , L0006363   , L0006364   , L0006365
, L0006366   , L0006367   , L0006368   ,
                  L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                  L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         463783.31   3809852.91   0.86721   463821.31
3809852.91   0.82019
         463859.31   3809852.91   0.78658   463897.31
3809852.91   0.75475
         463935.31   3809852.91   0.72577   463973.31
3809852.91   0.70054
         464011.31   3809852.91   0.67730   464049.31
3809852.91   0.65832
         464087.31   3809852.91   0.63752   464125.31
3809852.91   0.61437
         464163.31   3809852.91   0.58950   464201.31
3809852.91   0.56497
         464239.31   3809852.91   0.54259   464277.31
3809852.91   0.52115
         464315.31   3809852.91   0.50054   464353.31
3809852.91   0.48100
         464391.31   3809852.91   0.46324   464429.31
3809852.91   0.44633

```
        464467.31    3809852.91        0.43008                    464505.31
3809852.91        0.41477
        463745.31    3809881.97        0.88004                    463783.31
3809881.97        0.83263
        463821.31    3809881.97        0.78815                    463859.31
3809881.97        0.75312
        463897.31    3809881.97        0.72068                    463935.31
3809881.97        0.69227
        463973.31    3809881.97        0.67088                    464011.31
3809881.97        0.65008
        464049.31    3809881.97        0.63194                    464087.31
3809881.97        0.61260
        464125.31    3809881.97        0.59236                    464163.31
3809881.97        0.56970
        464201.31    3809881.97        0.54834                    464239.31
3809881.97        0.52722
        464277.31    3809881.97        0.50777                    464315.31
3809881.97        0.48925
        464353.31    3809881.97        0.47078                    464391.31
3809881.97        0.45397
        464429.31    3809881.97        0.43765                    464467.31
3809881.97        0.42188
        464505.31    3809881.97        0.40754                    463745.31
3809911.03        0.84503
        463783.31    3809911.03        0.79840                    463821.31
3809911.03        0.75864
        463859.31    3809911.03        0.72335                    463897.31
3809911.03        0.69186
        463935.31    3809911.03        0.66347                    463973.31
3809911.03        0.64244
        464011.31    3809911.03        0.62349                    464049.31
3809911.03        0.60742
        464087.31    3809911.03        0.58977                    464125.31
3809911.03        0.57118
        464163.31    3809911.03        0.55149                    464201.31
3809911.03        0.53264
        464239.31    3809911.03        0.51295                    464277.31
3809911.03        0.49509
        464315.31    3809911.03        0.47747                    464353.31
3809911.03        0.46049
        464391.31    3809911.03        0.44440                    464429.31
3809911.03        0.42877
        464467.31    3809911.03        0.41413                    464505.31
3809911.03        0.39979
        463745.31    3809940.09        0.81084                    463783.31
3809940.09        0.76634
        463821.31    3809940.09        0.73006                    463859.31
3809940.09        0.69572
        463897.31    3809940.09        0.66621                    463935.31
3809940.09        0.63934
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         463973.31    3809940.09        0.61769                       464011.31
3809940.09        0.59736
         464049.31    3809940.09        0.58225                       464087.31
3809940.09        0.56641
         464125.31    3809940.09        0.55018                       464163.31
3809940.09        0.53423
         464201.31    3809940.09        0.51800                       464239.31
3809940.09        0.50017
         464277.31    3809940.09        0.48281                       464315.31
3809940.09        0.46634
         464353.31    3809940.09        0.45024                       464391.31
3809940.09        0.43486
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 240
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                               INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                  L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                  L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                  L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         464429.31    3809940.09        0.42027                       464467.31
3809940.09        0.40591
         464505.31    3809940.09        0.39214                       463745.31
3809969.15        0.78647
         463783.31    3809969.15        0.73928                       463821.31
3809969.15        0.70263
         463859.31    3809969.15        0.67025                       463897.31
3809969.15        0.64191
         463935.31    3809969.15        0.61665                       463973.31
```

3809969.15 0.59577
464011.31 3809969.15 0.57474 464049.31 3809969.15 0.55773
464087.31 3809969.15 0.54374 464125.31 3809969.15 0.53056
464163.31 3809969.15 0.51663 464201.31 3809969.15 0.50283
464239.31 3809969.15 0.48763 464277.31 3809969.15 0.47104
464315.31 3809969.15 0.45549 464353.31 3809969.15 0.44074
464391.31 3809969.15 0.42601 464429.31 3809969.15 0.41168
464467.31 3809969.15 0.39761 464505.31 3809969.15 0.38487
463745.31 3809998.21 0.77185 463783.31 3809998.21 0.71959
463821.31 3809998.21 0.68038 463859.31 3809998.21 0.64778
463897.31 3809998.21 0.62028 463935.31 3809998.21 0.59512
463973.31 3809998.21 0.57472 464011.31 3809998.21 0.55521
464049.31 3809998.21 0.53826 464087.31 3809998.21 0.52423
464125.31 3809998.21 0.51286 464163.31 3809998.21 0.50043
464201.31 3809998.21 0.48768 464239.31 3809998.21 0.47406
464277.31 3809998.21 0.45972 464315.31 3809998.21 0.44475
464353.31 3809998.21 0.43079 464391.31 3809998.21 0.41672
464429.31 3809998.21 0.40287 464467.31 3809998.21 0.38990
464505.31 3809998.21 0.37723 463745.31 3810027.27 0.75780
463783.31 3810027.27 0.70470 463821.31 3810027.27 0.66277
463859.31 3810027.27 0.62898 463897.31 3810027.27 0.60164
463935.31 3810027.27 0.57563 463973.31 3810027.27 0.55592
464011.31 3810027.27 0.53730 464049.31 3810027.27 0.52104
464087.31 3810027.27 0.50622 464125.31 3810027.27 0.49467
464163.31 3810027.27 0.48452 464201.31 3810027.27 0.47317
464239.31 3810027.27 0.46016 464277.31

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3810027.27        0.44748
         464315.31    3810027.27        0.43423                       464353.31
3810027.27        0.42074
         464391.31    3810027.27        0.40731                       464429.31
3810027.27        0.39450
         464467.31    3810027.27        0.38191                       464505.31
3810027.27        0.36949
         463745.31    3810056.33        0.74452                       463783.31
3810056.33        0.69110
         463821.31    3810056.33        0.64635                       463859.31
3810056.33        0.61240
         463897.31    3810056.33        0.58407                       463935.31
3810056.33        0.55872
         463973.31    3810056.33        0.53887                       464011.31
3810056.33        0.52042
         464049.31    3810056.33        0.50374                       464087.31
3810056.33        0.48962
         464125.31    3810056.33        0.47728                       464163.31
3810056.33        0.46806
         464201.31    3810056.33        0.45800                       464239.31
3810056.33        0.44699
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 241
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                                  INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                  L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                  L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                  L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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         464277.31    3810056.33        0.43487                    464315.31
3810056.33        0.42302
         464353.31    3810056.33        0.41121                    464391.31
3810056.33        0.39874
         464429.31    3810056.33        0.38621                    464467.31
3810056.33        0.37370
         464505.31    3810056.33        0.36200                    463745.31
3810085.39        0.73046
         463783.31    3810085.39        0.67804                    463821.31
3810085.39        0.63240
         463859.31    3810085.39        0.59701                    463897.31
3810085.39        0.56822
         463935.31    3810085.39        0.54366                    463973.31
3810085.39        0.52321
         464011.31    3810085.39        0.50416                    464049.31
3810085.39        0.48655
         464087.31    3810085.39        0.47339                    464125.31
3810085.39        0.46162
         464163.31    3810085.39        0.45196                    464201.31
3810085.39        0.44267
         464239.31    3810085.39        0.43325                    464277.31
3810085.39        0.42263
         464315.31    3810085.39        0.41171                    464353.31
3810085.39        0.40066
         464391.31    3810085.39        0.38932                    464429.31
3810085.39        0.37731
         464467.31    3810085.39        0.36553                    464505.31
3810085.39        0.35409
         463745.31    3810114.45        0.71249                    463783.31
3810114.45        0.66705
         463821.31    3810114.45        0.62101                    463859.31
3810114.45        0.58624
         463897.31    3810114.45        0.55520                    463935.31
3810114.45        0.53002
         463973.31    3810114.45        0.50834                    464011.31
3810114.45        0.48941
         464049.31    3810114.45        0.47170                    464087.31
3810114.45        0.45819
         464125.31    3810114.45        0.44598                    464163.31
3810114.45        0.43590
         464201.31    3810114.45        0.42712                    464239.31
3810114.45        0.41975
         464277.31    3810114.45        0.41058                    464315.31
3810114.45        0.39978
         464353.31    3810114.45        0.38892                    464391.31
3810114.45        0.37802
         464429.31    3810114.45        0.36768                    464467.31
3810114.45        0.35639
         464505.31    3810114.45        0.34621                    463745.31
3810143.51        0.69146
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         463783.31    3810143.51        0.65189                      463821.31
3810143.51        0.61341
         463859.31    3810143.51        0.57768                      463897.31
3810143.51        0.54285
         463935.31    3810143.51        0.51592                      463973.31
3810143.51        0.49289
         464011.31    3810143.51        0.47564                      464049.31
3810143.51        0.45814
         464087.31    3810143.51        0.44316                      464125.31
3810143.51        0.43134
         464163.31    3810143.51        0.42159                      464201.31
3810143.51        0.41287
         464239.31    3810143.51        0.40534                      464277.31
3810143.51        0.39844
         464315.31    3810143.51        0.38846                      464353.31
3810143.51        0.37729
         464391.31    3810143.51        0.36751                      464429.31
3810143.51        0.35757
         464467.31    3810143.51        0.34803                      464505.31
3810143.51        0.33853
         464383.78    3807479.29        0.07217                      464355.03
3807405.24        0.07051
         464402.07    3807352.10        0.06353                      464367.23
3807296.35        0.06466
         464358.52    3807237.99        0.06172                      464385.52
3807161.33        0.05932
         463132.27    3810926.37        0.47363                      463237.82
3811199.31        0.36456
         464944.35    3809244.89        0.31912                      465700.32
3809255.46        0.17207
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                   PAGE 242
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31  ***
                                   INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                  L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                  L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                  L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465716.18	3808536.49	0.12612	465544.37	3808533.85	0.13884
465420.13	3808486.27	0.14645	465348.77	3808491.56	0.15707
465317.05	3808443.98	0.15313	465327.62	3808406.97	0.14602
465108.23	3808369.97	0.16185	464999.86	3808301.24	0.16776
464722.31	3807973.48	0.14913	464717.03	3807836.03	0.12104
464344.33	3807936.47	0.15240	464349.61	3807780.52	0.16992
464386.62	3807785.81	0.16616	464521.43	3807859.82	0.16467
464537.28	3807719.72	0.10973	464426.27	3807613.99	0.09503
464368.43	3807532.62	0.08672	464324.60	3807121.91	0.06408
464123.31	3807123.54	0.08484	463930.13	3806909.26	0.06336
463831.11	3806906.01	0.06850	463821.36	3806720.95	0.05405
463727.21	3806727.44	0.06039	463598.97	3806334.59	0.04846
463001.06	3806361.54	0.04422			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746

, L0006747   , L0006748   , L0006749   ,
                L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         462559.49    3809194.32        0.13406                        465763.86
3807935.19        0.03257
         465819.84    3807935.19        0.03371                        465875.82
3807935.19        0.03408
         465931.80    3807935.19        0.03470                        465987.78
3807935.19        0.03540
         466043.76    3807935.19        0.03577                        466099.74
3807935.19        0.03638
         466155.72    3807935.19        0.03671                        466211.70
3807935.19        0.03727
         466267.68    3807935.19        0.03768                        466323.66
3807935.19        0.03858
         466379.64    3807935.19        0.03893                        466435.62
3807935.19        0.03937
         466491.60    3807935.19        0.03961                        466547.58
3807935.19        0.04045
         466603.56    3807935.19        0.04091                        466659.54
3807935.19        0.04103
         466715.52    3807935.19        0.04144                        466771.50
3807935.19        0.04166
         466827.48    3807935.19        0.04190                        466883.46
3807935.19        0.04171
         465763.86    3808001.41        0.03533                        465819.84
3808001.41        0.03562
         465875.82    3808001.41        0.03639                        465931.80
3808001.41        0.03710
         465987.78    3808001.41        0.03707                        466043.76
3808001.41        0.03799
         466099.74    3808001.41        0.03779                        466155.72
3808001.41        0.03833
         466211.70    3808001.41        0.03871                        466267.68
3808001.41        0.03885
         466323.66    3808001.41        0.03986                        466379.64
3808001.41        0.04046
         466435.62    3808001.41        0.04075                        466491.60
3808001.41        0.04100
         466547.58    3808001.41        0.04136                        466603.56
3808001.41        0.04169
         466659.54    3808001.41        0.04222                        466715.52
3808001.41        0.04273
         466771.50    3808001.41        0.04261                        466827.48
3808001.41        0.04262
         466883.46    3808001.41        0.04253                        465763.86
3808067.63        0.03727
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465819.84	3808067.63	0.03805	465875.82	3808067.63	0.03858
465931.80	3808067.63	0.03888	465987.78	3808067.63	0.03934
466043.76	3808067.63	0.03959	466099.74	3808067.63	0.04000
466155.72	3808067.63	0.04035	466211.70	3808067.63	0.04105
466267.68	3808067.63	0.04141	466323.66	3808067.63	0.04200
466379.64	3808067.63	0.04227	466435.62	3808067.63	0.04194
466491.60	3808067.63	0.04269	466547.58	3808067.63	0.04313
466603.56	3808067.63	0.04368	466659.54	3808067.63	0.04364
466715.52	3808067.63	0.04352	466771.50	3808067.63	0.04329
466827.48	3808067.63	0.04361	466883.46	3808067.63	0.04362
465763.86	3808133.85	0.03984	465819.84	3808133.85	0.04053
465875.82	3808133.85	0.04072	465931.80	3808133.85	0.04128
465987.78	3808133.85	0.04089	466043.76	3808133.85	0.04145
466099.74	3808133.85	0.04196	466155.72		

3808133.85 0.04269
466211.70 3808133.85 0.04306 466267.68
3808133.85 0.04328
466323.66 3808133.85 0.04350 466379.64
3808133.85 0.04365
466435.62 3808133.85 0.04378 466491.60
3808133.85 0.04379
466547.58 3808133.85 0.04419 466603.56
3808133.85 0.04459
466659.54 3808133.85 0.04469 466715.52
3808133.85 0.04454
466771.50 3808133.85 0.04477 466827.48
3808133.85 0.04441
466883.46 3808133.85 0.04424 465763.86
3808200.07 0.04247
465819.84 3808200.07 0.04309 465875.82
3808200.07 0.04322
465931.80 3808200.07 0.04292 465987.78
3808200.07 0.04344
466043.76 3808200.07 0.04381 466099.74
3808200.07 0.04460
466155.72 3808200.07 0.04485 466211.70
3808200.07 0.04547
466267.68 3808200.07 0.04534 466323.66
3808200.07 0.04512
466379.64 3808200.07 0.04526 466435.62
3808200.07 0.04528
466491.60 3808200.07 0.04564 466547.58
3808200.07 0.04605
466603.56 3808200.07 0.04621 466659.54
3808200.07 0.04596
466715.52 3808200.07 0.04561 466771.50
3808200.07 0.04572
466827.48 3808200.07 0.04563 466883.46
3808200.07 0.04490
465763.86 3808266.29 0.04579 465819.84
3808266.29 0.04536
465875.82 3808266.29 0.04523 465931.80
3808266.29 0.04560
465987.78 3808266.29 0.04592 466043.76
3808266.29 0.04658
466099.74 3808266.29 0.04687 466155.72
3808266.29 0.04737
466211.70 3808266.29 0.04743 466267.68
3808266.29 0.04709
466323.66 3808266.29 0.04718 466379.64
3808266.29 0.04683
466435.62 3808266.29 0.04668 466491.60
3808266.29 0.04769
466547.58 3808266.29 0.04778 466603.56

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466771.50	3808266.29	0.04663	466827.48	3808266.29	0.04639
466883.46	3808266.29	0.04551	465763.86	3808332.51	0.04870
465819.84	3808332.51	0.04775	465875.82	3808332.51	0.04805
465931.80	3808332.51	0.04822	465987.78	3808332.51	0.04882
466043.76	3808332.51	0.04907	466099.74	3808332.51	0.04942
466155.72	3808332.51	0.04937	466211.70	3808332.51	0.04919
466267.68	3808332.51	0.04933	466323.66	3808332.51	0.04865
466379.64	3808332.51	0.04866	466435.62	3808332.51	0.04885
466491.60	3808332.51	0.04914	466547.58	3808332.51	0.04913

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         466603.56    3808332.51        0.04845                    466659.54
3808332.51        0.04835
         466715.52    3808332.51        0.04799                    466771.50
3808332.51        0.04795
         466827.48    3808332.51        0.04703                    466883.46
3808332.51        0.04612
         465763.86    3808398.73        0.05182                    465819.84
3808398.73        0.05083
         465875.82    3808398.73        0.05073                    465931.80
3808398.73        0.05125
         465987.78    3808398.73        0.05143                    466043.76
3808398.73        0.05174
         466099.74    3808398.73        0.05155                    466155.72
3808398.73        0.05163
         466211.70    3808398.73        0.05158                    466267.68
3808398.73        0.05069
         466323.66    3808398.73        0.05092                    466379.64
3808398.73        0.05136
         466435.62    3808398.73        0.05067                    466491.60
3808398.73        0.05062
         466547.58    3808398.73        0.05031                    466603.56
3808398.73        0.05008
         466659.54    3808398.73        0.04967                    466715.52
3808398.73        0.04942
         466771.50    3808398.73        0.04863                    466827.48
3808398.73        0.04767
         466883.46    3808398.73        0.04673                    465763.86
3808464.95        0.05505
         465819.84    3808464.95        0.05419                    465875.82
3808464.95        0.05442
         465931.80    3808464.95        0.05477                    465987.78
3808464.95        0.05422
         466043.76    3808464.95        0.05382                    466099.74
3808464.95        0.05385
         466155.72    3808464.95        0.05383                    466211.70
3808464.95        0.05401
         466267.68    3808464.95        0.05311                    466323.66
3808464.95        0.05351
         466379.64    3808464.95        0.05274                    466435.62
3808464.95        0.05265
         466491.60    3808464.95        0.05206                    466547.58
3808464.95        0.05190
         466603.56    3808464.95        0.05145                    466659.54
3808464.95        0.05089
         466715.52    3808464.95        0.05032                    466771.50
3808464.95        0.04931
         466827.48    3808464.95        0.04832                    466883.46
3808464.95        0.04736
         465763.86    3808531.17        0.05709                    465819.84
3808531.17        0.05723
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730
, L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738
, L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746
, L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754
, L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466547.58	3808531.17	0.05335	466603.56	3808531.17	0.05300
466659.54	3808531.17	0.05211	466715.52	3808531.17	0.05104
466771.50	3808531.17	0.04999	466827.48	3808531.17	0.04897
466883.46	3808531.17	0.04799	465763.86	3808597.39	0.06038
465819.84	3808597.39	0.05987	465875.82		

3808597.39 0.05987
465931.80 3808597.39 0.06039 465987.78
3808597.39 0.05972
466043.76 3808597.39 0.05878 466099.74
3808597.39 0.05885
466155.72 3808597.39 0.05905 466211.70
3808597.39 0.05827
466267.68 3808597.39 0.05809 466323.66
3808597.39 0.05726
466379.64 3808597.39 0.05630 466435.62
3808597.39 0.05601
466491.60 3808597.39 0.05535 466547.58
3808597.39 0.05446
466603.56 3808597.39 0.05402 466659.54
3808597.39 0.05288
466715.52 3808597.39 0.05177 466771.50
3808597.39 0.05069
466827.48 3808597.39 0.04964 466883.46
3808597.39 0.04864
465763.86 3808663.61 0.06378 465819.84
3808663.61 0.06272
465875.82 3808663.61 0.06212 465931.80
3808663.61 0.06200
465987.78 3808663.61 0.06163 466043.76
3808663.61 0.06161
466099.74 3808663.61 0.06159 466155.72
3808663.61 0.06097
466211.70 3808663.61 0.06082 466267.68
3808663.61 0.06009
466323.66 3808663.61 0.05905 466379.64
3808663.61 0.05851
466435.62 3808663.61 0.05749 466491.60
3808663.61 0.05669
466547.58 3808663.61 0.05603 466603.56
3808663.61 0.05482
466659.54 3808663.61 0.05364 466715.52
3808663.61 0.05250
466771.50 3808663.61 0.05139 466827.48
3808663.61 0.05034
466883.46 3808663.61 0.04929 465763.86
3808729.83 0.06597
465819.84 3808729.83 0.06429 465875.82
3808729.83 0.06374
465931.80 3808729.83 0.06390 465987.78
3808729.83 0.06405
466043.76 3808729.83 0.06434 466099.74
3808729.83 0.06411
466155.72 3808729.83 0.06352 466211.70
3808729.83 0.06323
466267.68 3808729.83 0.06234 466323.66

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3808729.83        0.06113
         466379.64    3808729.83        0.05998                        466435.62
3808729.83        0.05942
         466491.60    3808729.83        0.05819                        466547.58
3808729.83        0.05690
         466603.56    3808729.83        0.05564                        466659.54
3808729.83        0.05447
         466715.52    3808729.83        0.05329                        466771.50
3808729.83        0.05214
         466827.48    3808729.83        0.05105                        466883.46
3808729.83        0.04997
         465763.86    3808796.05        0.06927                        465819.84
3808796.05        0.06633
         465875.82    3808796.05        0.06668                        465931.80
3808796.05        0.06617
         465987.78    3808796.05        0.06608                        466043.76
3808796.05        0.06620
         466099.74    3808796.05        0.06584                        466155.72
3808796.05        0.06506
         466211.70    3808796.05        0.06458                        466267.68
3808796.05        0.06378
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 247
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                  INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                  L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                  L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                  L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
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        466323.66    3808796.05        0.06309                    466379.64
3808796.05        0.06189
        466435.62    3808796.05        0.06049                    466491.60
3808796.05        0.05912
        466547.58    3808796.05        0.05779                    466603.56
3808796.05        0.05652
        466659.54    3808796.05        0.05527                    466715.52
3808796.05        0.05407
        466771.50    3808796.05        0.05290                    466827.48
3808796.05        0.05176
        466883.46    3808796.05        0.05068                    465763.86
3808862.27        0.07430
        465819.84    3808862.27        0.07205                    465875.82
3808862.27        0.07027
        465931.80    3808862.27        0.06949                    465987.78
3808862.27        0.06934
        466043.76    3808862.27        0.06889                    466099.74
3808862.27        0.06794
        466155.72    3808862.27        0.06753                    466211.70
3808862.27        0.06662
        466267.68    3808862.27        0.06576                    466323.66
3808862.27        0.06445
        466379.64    3808862.27        0.06295                    466435.62
3808862.27        0.06150
        466491.60    3808862.27        0.06009                    466547.58
3808862.27        0.05873
        466603.56    3808862.27        0.05740                    466659.54
3808862.27        0.05614
        466715.52    3808862.27        0.05489                    466771.50
3808862.27        0.05369
        466827.48    3808862.27        0.05253                    466883.46
3808862.27        0.05141
        465763.86    3808928.49        0.08092                    465819.84
3808928.49        0.07866
        465875.82    3808928.49        0.07598                    465931.80
3808928.49        0.07396
        465987.78    3808928.49        0.07237                    466043.76
3808928.49        0.07082
        466099.74    3808928.49        0.07046                    466155.72
3808928.49        0.06939
        466211.70    3808928.49        0.06863                    466267.68
3808928.49        0.06722
        466323.66    3808928.49        0.06559                    466379.64
3808928.49        0.06402
        466435.62    3808928.49        0.06253                    466491.60
3808928.49        0.06109
        466547.58    3808928.49        0.05968                    466603.56
3808928.49        0.05834
        466659.54    3808928.49        0.05702                    466715.52
3808928.49        0.05575
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         466771.50    3808928.49        0.05451                      466827.48
3808928.49        0.05333
         466883.46    3808928.49        0.05217                      465763.86
3808994.71        0.08387
         465819.84    3808994.71        0.08253                      465875.82
3808994.71        0.08027
         465931.80    3808994.71        0.07761                      465987.78
3808994.71        0.07451
         466043.76    3808994.71        0.07325                      466099.74
3808994.71        0.07248
         466155.72    3808994.71        0.07182                      466211.70
3808994.71        0.07021
         466267.68    3808994.71        0.06847                      466323.66
3808994.71        0.06680
         466379.64    3808994.71        0.06518                      466435.62
3808994.71        0.06361
         466491.60    3808994.71        0.06213                      466547.58
3808994.71        0.06071
         466603.56    3808994.71        0.05931                      466659.54
3808994.71        0.05794
         466715.52    3808994.71        0.05667                      466771.50
3808994.71        0.05539
         466827.48    3808994.71        0.05415                      466883.46
3808994.71        0.05298
         465763.86    3809060.93        0.08590                      465819.84
3809060.93        0.08404
         465875.82    3809060.93        0.08225                      465931.80
3809060.93        0.08010
         465987.78    3809060.93        0.07804                      466043.76
3809060.93        0.07606
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                   PAGE 248
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                   INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                  L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                  L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                  L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466099.74	3809060.93	0.07527	466155.72	3809060.93	0.07343
466211.70	3809060.93	0.07156	466267.68	3809060.93	0.06977
466323.66	3809060.93	0.06803	466379.64	3809060.93	0.06636
466435.62	3809060.93	0.06478	466491.60	3809060.93	0.06325
466547.58	3809060.93	0.06174	466603.56	3809060.93	0.06031
466659.54	3809060.93	0.05895	466715.52	3809060.93	0.05759
466771.50	3809060.93	0.05628	466827.48	3809060.93	0.05503
466883.46	3809060.93	0.05383	465763.86	3809127.15	0.08657
465819.84	3809127.15	0.08471	465875.82	3809127.15	0.08336
465931.80	3809127.15	0.08144	465987.78	3809127.15	0.07995
466043.76	3809127.15	0.07900	466099.74	3809127.15	0.07686
466155.72	3809127.15	0.07484	466211.70	3809127.15	0.07300
466267.68	3809127.15	0.07117	466323.66	3809127.15	0.06939
466379.64	3809127.15	0.06765	466435.62	3809127.15	0.06599
466491.60	3809127.15	0.06440	466547.58	3809127.15	0.06286
466603.56	3809127.15	0.06140	466659.54	3809127.15	0.05995
466715.52	3809127.15	0.05857	466771.50	3809127.15	0.05723
466827.48	3809127.15	0.05593	466883.46	3809127.15	0.05471
465763.86	3809193.37	0.08887	465819.84	3809193.37	0.08642
465875.82	3809193.37	0.08451	465931.80	3809193.37	0.08329
465987.78	3809193.37	0.08284	466043.76		

3809193.37   0.08060
         466099.74   3809193.37   0.07847   466155.72
3809193.37   0.07638
         466211.70   3809193.37   0.07444   466267.68
3809193.37   0.07258
         466323.66   3809193.37   0.07076   466379.64
3809193.37   0.06900
         466435.62   3809193.37   0.06727   466491.60
3809193.37   0.06562
         466547.58   3809193.37   0.06403   466603.56
3809193.37   0.06253
         466659.54   3809193.37   0.06103   466715.52
3809193.37   0.05963
         466771.50   3809193.37   0.05824   466827.48
3809193.37   0.05692
         466883.46   3809193.37   0.05564   465763.86
3809259.59   0.09182
         465819.84   3809259.59   0.09015   465875.82
3809259.59   0.08805
         465931.80   3809259.59   0.08629   465987.78
3809259.59   0.08493
         466043.76   3809259.59   0.08248   466099.74
3809259.59   0.08015
         466155.72   3809259.59   0.07806   466211.70
3809259.59   0.07605
         466267.68   3809259.59   0.07412   466323.66
3809259.59   0.07219
         466379.64   3809259.59   0.07036   466435.62
3809259.59   0.06861
         466491.60   3809259.59   0.06689   466547.58
3809259.59   0.06528
         466603.56   3809259.59   0.06369   466659.54
3809259.59   0.06217
         466715.52   3809259.59   0.06074   466771.50
3809259.59   0.05931
         466827.48   3809259.59   0.05795   466883.46
3809259.59   0.05663
         464503.41   3807141.91   0.02838   464523.41
3807141.91   0.02873

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
                                 INCLUDING SOURCE(S):   L0006729   , L0006730

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, L0006731    , L0006732    , L0006733    ,
                L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         464543.41    3807141.91        0.02890                       464563.41
3807141.91        0.02901
         464583.41    3807141.91        0.02931                       464603.41
3807141.91        0.02946
         464623.41    3807141.91        0.02955                       464643.41
3807141.91        0.02974
         464663.41    3807141.91        0.02982                       464683.41
3807141.91        0.02984
         464703.41    3807141.91        0.02997                       464723.41
3807141.91        0.02994
         464743.41    3807141.91        0.02982                       464763.41
3807141.91        0.02973
         464783.41    3807141.91        0.02958                       464803.41
3807141.91        0.02942
         464823.41    3807141.91        0.02941                       464843.41
3807141.91        0.02924
         464863.41    3807141.91        0.02899                       464883.41
3807141.91        0.02876
         464903.41    3807141.91        0.02861                       464923.41
3807141.91        0.02847
         464503.41    3807161.91        0.02868                       464523.41
3807161.91        0.02903
         464543.41    3807161.91        0.02918                       464563.41
3807161.91        0.02929
         464583.41    3807161.91        0.02958                       464603.41
3807161.91        0.02984
         464623.41    3807161.91        0.03003                       464643.41
3807161.91        0.03004
         464663.41    3807161.91        0.03016                       464683.41
3807161.91        0.03028
         464703.41    3807161.91        0.03023                       464723.41
3807161.91        0.03013
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         464743.41    3807161.91        0.03003                      464763.41
3807161.91        0.03009
         464783.41    3807161.91        0.02998                      464803.41
3807161.91        0.02978
         464823.41    3807161.91        0.02959                      464843.41
3807161.91        0.02934
         464863.41    3807161.91        0.02911                      464883.41
3807161.91        0.02904
         464903.41    3807161.91        0.02883                      464923.41
3807161.91        0.02856
         464503.41    3807181.91        0.02917                      464523.41
3807181.91        0.02937
         464543.41    3807181.91        0.02957                      464563.41
3807181.91        0.02975
         464583.41    3807181.91        0.02990                      464603.41
3807181.91        0.03012
         464623.41    3807181.91        0.03032                      464643.41
3807181.91        0.03029
         464663.41    3807181.91        0.03041                      464683.41
3807181.91        0.03055
         464703.41    3807181.91        0.03044                      464723.41
3807181.91        0.03041
         464743.41    3807181.91        0.03039                      464763.41
3807181.91        0.03034
         464783.41    3807181.91        0.03018                      464803.41
3807181.91        0.02998
         464823.41    3807181.91        0.02987                      464843.41
3807181.91        0.02965
         464863.41    3807181.91        0.02939                      464883.41
3807181.91        0.02920
         464903.41    3807181.91        0.02901                      464923.41
3807181.91        0.02880
         464503.41    3807201.91        0.02963                      464523.41
3807201.91        0.02970
         464543.41    3807201.91        0.02994                      464563.41
3807201.91        0.03020
         464583.41    3807201.91        0.03027                      464603.41
3807201.91        0.03042
         464623.41    3807201.91        0.03058                      464643.41
3807201.91        0.03059
         464663.41    3807201.91        0.03068                      464683.41
3807201.91        0.03077
         464703.41    3807201.91        0.03070                      464723.41
3807201.91        0.03072
         464743.41    3807201.91        0.03073                      464763.41
3807201.91        0.03054
         464783.41    3807201.91        0.03036                      464803.41
3807201.91        0.03020
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Industrial Park\I15 Industrial ***        05/09/22
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*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464823.41	3807201.91	0.03015	464843.41	3807201.91	0.02998
464863.41	3807201.91	0.02972	464883.41	3807201.91	0.02940
464903.41	3807201.91	0.02920	464923.41	3807201.91	0.02903
464503.41	3807221.91	0.02994	464523.41	3807221.91	0.03000
464543.41	3807221.91	0.03022	464563.41	3807221.91	0.03051
464583.41	3807221.91	0.03074	464603.41	3807221.91	0.03083
464623.41	3807221.91	0.03086	464643.41	3807221.91	0.03103
464663.41	3807221.91	0.03105	464683.41	3807221.91	0.03100
464703.41	3807221.91	0.03110	464723.41	3807221.91	0.03105
464743.41	3807221.91	0.03089	464763.41	3807221.91	0.03069
464783.41	3807221.91	0.03061	464803.41	3807221.91	0.03056
464823.41	3807221.91	0.03032	464843.41		

3807221.91 0.03019
464863.41 3807221.91 0.03007 464883.41
3807221.91 0.02973
464903.41 3807221.91 0.02940 464923.41
3807221.91 0.02910
464503.41 3807241.91 0.03027 464523.41
3807241.91 0.03046
464543.41 3807241.91 0.03062 464563.41
3807241.91 0.03079
464583.41 3807241.91 0.03105 464603.41
3807241.91 0.03111
464623.41 3807241.91 0.03110 464643.41
3807241.91 0.03130
464663.41 3807241.91 0.03139 464683.41
3807241.91 0.03140
464703.41 3807241.91 0.03138 464723.41
3807241.91 0.03125
464743.41 3807241.91 0.03108 464763.41
3807241.91 0.03100
464783.41 3807241.91 0.03089 464803.41
3807241.91 0.03075
464823.41 3807241.91 0.03060 464843.41
3807241.91 0.03043
464863.41 3807241.91 0.03020 464883.41
3807241.91 0.02985
464903.41 3807241.91 0.02958 464923.41
3807241.91 0.02934
464503.41 3807261.91 0.03059 464523.41
3807261.91 0.03090
464543.41 3807261.91 0.03101 464563.41
3807261.91 0.03106
464583.41 3807261.91 0.03132 464603.41
3807261.91 0.03140
464623.41 3807261.91 0.03142 464643.41
3807261.91 0.03154
464663.41 3807261.91 0.03169 464683.41
3807261.91 0.03177
464703.41 3807261.91 0.03161 464723.41
3807261.91 0.03146
464743.41 3807261.91 0.03133 464763.41
3807261.91 0.03131
464783.41 3807261.91 0.03116 464803.41
3807261.91 0.03096
464823.41 3807261.91 0.03087 464843.41
3807261.91 0.03066
464863.41 3807261.91 0.03036 464883.41
3807261.91 0.02999
464903.41 3807261.91 0.02980 464923.41
3807261.91 0.02964
464503.41 3807281.91 0.03089 464523.41

3807281.91 0.03120
 464543.41 3807281.91 0.03130 464563.41
3807281.91 0.03133
 464583.41 3807281.91 0.03158 464603.41
3807281.91 0.03177
 464623.41 3807281.91 0.03190 464643.41
3807281.91 0.03183

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
 L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
 L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
 L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464663.41	3807281.91	0.03190	464683.41	3807281.91	0.03197
464703.41	3807281.91	0.03179	464723.41	3807281.91	0.03175
464743.41	3807281.91	0.03172	464763.41	3807281.91	0.03151
464783.41	3807281.91	0.03141	464803.41	3807281.91	0.03132
464823.41	3807281.91	0.03103	464843.41	3807281.91	0.03087
464863.41	3807281.91	0.03071	464883.41	3807281.91	0.03033
464903.41	3807281.91	0.03013	464923.41	3807281.91	0.02995

464503.41 3807301.91 0.03139 464523.41 3807301.91 0.03154
464543.41 3807301.91 0.03168 464563.41 3807301.91 0.03180
464583.41 3807301.91 0.03188 464603.41 3807301.91 0.03204
464623.41 3807301.91 0.03218 464643.41 3807301.91 0.03206
464663.41 3807301.91 0.03210 464683.41 3807301.91 0.03216
464703.41 3807301.91 0.03196 464723.41 3807301.91 0.03193
464743.41 3807301.91 0.03195 464763.41 3807301.91 0.03183
464783.41 3807301.91 0.03168 464803.41 3807301.91 0.03147
464823.41 3807301.91 0.03114 464843.41 3807301.91 0.03097
464863.41 3807301.91 0.03086 464883.41 3807301.91 0.03062
464903.41 3807301.91 0.03036 464923.41 3807301.91 0.03004
464503.41 3807321.91 0.03187 464523.41 3807321.91 0.03187
464543.41 3807321.91 0.03205 464563.41 3807321.91 0.03224
464583.41 3807321.91 0.03218 464603.41 3807321.91 0.03228
464623.41 3807321.91 0.03241 464643.41 3807321.91 0.03227
464663.41 3807321.91 0.03230 464683.41 3807321.91 0.03236
464703.41 3807321.91 0.03220 464723.41 3807321.91 0.03214
464743.41 3807321.91 0.03211 464763.41 3807321.91 0.03212
464783.41 3807321.91 0.03190 464803.41 3807321.91 0.03158
464823.41 3807321.91 0.03128 464843.41 3807321.91 0.03113
464863.41 3807321.91 0.03102 464883.41 3807321.91 0.03085
464903.41 3807321.91 0.03051 464923.41 3807321.91 0.03008
464503.41 3807341.91 0.03217 464523.41 3807341.91 0.03216
464543.41 3807341.91 0.03232 464563.41 3807341.91 0.03251
464583.41 3807341.91 0.03243 464603.41 3807341.91 0.03252

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 , L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 , L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 , L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464503.41	3807361.91	0.03249	464523.41	3807361.91	0.03262
464543.41	3807361.91	0.03272	464563.41	3807361.91	0.03277
464583.41	3807361.91	0.03267	464603.41		

3807361.91 0.03275
464623.41 3807361.91 0.03287 464643.41
3807361.91 0.03286
464663.41 3807361.91 0.03280 464683.41
3807361.91 0.03275
464703.41 3807361.91 0.03280 464723.41
3807361.91 0.03273
464743.41 3807361.91 0.03258 464763.41
3807361.91 0.03241
464783.41 3807361.91 0.03222 464803.41
3807361.91 0.03204
464823.41 3807361.91 0.03196 464843.41
3807361.91 0.03175
464863.41 3807361.91 0.03145 464883.41
3807361.91 0.03101
464903.41 3807361.91 0.03067 464923.41
3807361.91 0.03036
464503.41 3807381.91 0.03289 464523.41
3807381.91 0.03309
464543.41 3807381.91 0.03311 464563.41
3807381.91 0.03303
464583.41 3807381.91 0.03298 464603.41
3807381.91 0.03302
464623.41 3807381.91 0.03311 464643.41
3807381.91 0.03322
464663.41 3807381.91 0.03314 464683.41
3807381.91 0.03299
464703.41 3807381.91 0.03297 464723.41
3807381.91 0.03296
464743.41 3807381.91 0.03291 464763.41
3807381.91 0.03263
464783.41 3807381.91 0.03246 464803.41
3807381.91 0.03234
464823.41 3807381.91 0.03225 464843.41
3807381.91 0.03193
464863.41 3807381.91 0.03151 464883.41
3807381.91 0.03112
464903.41 3807381.91 0.03084 464923.41
3807381.91 0.03058
464503.41 3807401.91 0.03345 464523.41
3807401.91 0.03344
464543.41 3807401.91 0.03337 464563.41
3807401.91 0.03332
464583.41 3807401.91 0.03345 464603.41
3807401.91 0.03341
464623.41 3807401.91 0.03331 464643.41
3807401.91 0.03341
464663.41 3807401.91 0.03346 464683.41
3807401.91 0.03343
464703.41 3807401.91 0.03318 464723.41

3807401.91   0.03310
         464743.41   3807401.91   0.03307   464763.41
3807401.91   0.03298
         464783.41   3807401.91   0.03272   464803.41
3807401.91   0.03241
         464823.41   3807401.91   0.03232   464843.41
3807401.91   0.03199
         464863.41   3807401.91   0.03158   464883.41
3807401.91   0.03140
         464903.41   3807401.91   0.03104   464923.41
3807401.91   0.03063
         464503.41   3807421.91   0.03380   464523.41
3807421.91   0.03373
         464543.41   3807421.91   0.03375   464563.41
3807421.91   0.03378
         464583.41   3807421.91   0.03379   464603.41
3807421.91   0.03377
         464623.41   3807421.91   0.03373   464643.41
3807421.91   0.03365
         464663.41   3807421.91   0.03366   464683.41
3807421.91   0.03367
         464703.41   3807421.91   0.03353   464723.41
3807421.91   0.03336
         464743.41   3807421.91   0.03318   464763.41
3807421.91   0.03313

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                 INCLUDING SOURCE(S):   L0006729   , L0006730
, L0006731   , L0006732   , L0006733   ,
                  L0006734   , L0006735   , L0006736   , L0006737   , L0006738
, L0006739   , L0006740   , L0006741   ,
                  L0006742   , L0006743   , L0006744   , L0006745   , L0006746
, L0006747   , L0006748   , L0006749   ,
                  L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464783.41	3807421.91	0.03296	464803.41	3807421.91	0.03271
464823.41	3807421.91	0.03243	464843.41	3807421.91	0.03215
464863.41	3807421.91	0.03185	464883.41	3807421.91	0.03153
464903.41	3807421.91	0.03120	464923.41	3807421.91	0.03087
464503.41	3807441.91	0.03410	464523.41	3807441.91	0.03407
464543.41	3807441.91	0.03416	464563.41	3807441.91	0.03423
464583.41	3807441.91	0.03413	464603.41	3807441.91	0.03413
464623.41	3807441.91	0.03413	464643.41	3807441.91	0.03395
464663.41	3807441.91	0.03388	464683.41	3807441.91	0.03384
464703.41	3807441.91	0.03384	464723.41	3807441.91	0.03365
464743.41	3807441.91	0.03338	464763.41	3807441.91	0.03324
464783.41	3807441.91	0.03314	464803.41	3807441.91	0.03298
464823.41	3807441.91	0.03254	464843.41	3807441.91	0.03230
464863.41	3807441.91	0.03209	464883.41	3807441.91	0.03160
464903.41	3807441.91	0.03132	464923.41	3807441.91	0.03108
464503.41	3807461.91	0.03443	464523.41	3807461.91	0.03460
464543.41	3807461.91	0.03459	464563.41	3807461.91	0.03451
464583.41	3807461.91	0.03461	464603.41	3807461.91	0.03452
464623.41	3807461.91	0.03436	464643.41	3807461.91	0.03438
464663.41	3807461.91	0.03421	464683.41	3807461.91	0.03399
464703.41	3807461.91	0.03397	464723.41	3807461.91	0.03391
464743.41	3807461.91	0.03377	464763.41	3807461.91	0.03340
464783.41	3807461.91	0.03322	464803.41	3807461.91	0.03305

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         464823.41    3807461.91        0.03258                        464843.41
3807461.91        0.03233
         464863.41    3807461.91        0.03212                        464883.41
3807461.91        0.03161
         464903.41    3807461.91        0.03132                        464923.41
3807461.91        0.03107
         464503.41    3807481.91        0.03471                        464523.41
3807481.91        0.03491
         464543.41    3807481.91        0.03499                        464563.41
3807481.91        0.03498
         464583.41    3807481.91        0.03494                        464603.41
3807481.91        0.03487
         464623.41    3807481.91        0.03478                        464643.41
3807481.91        0.03466
         464663.41    3807481.91        0.03452                        464683.41
3807481.91        0.03435
         464703.41    3807481.91        0.03416                        464723.41
3807481.91        0.03405
         464743.41    3807481.91        0.03392                        464763.41
3807481.91        0.03350
         464783.41    3807481.91        0.03328                        464803.41
3807481.91        0.03310
         464823.41    3807481.91        0.03263                        464843.41
3807481.91        0.03236
         464863.41    3807481.91        0.03217                        464883.41
3807481.91        0.03183
         464903.41    3807481.91        0.03147                        464923.41
3807481.91        0.03110
         464503.41    3807501.91        0.03509                        464523.41
3807501.91        0.03528
         464543.41    3807501.91        0.03540                        464563.41
3807501.91        0.03543
         464583.41    3807501.91        0.03527                        464603.41
3807501.91        0.03523
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 254
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                   INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                  L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                  L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
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L0006750 , L0006751 , L0006752 , L0006753 , L0006754
, L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464623.41	3807501.91	0.03519	464643.41	3807501.91	0.03495
464663.41	3807501.91	0.03483	464683.41	3807501.91	0.03471
464703.41	3807501.91	0.03440	464723.41	3807501.91	0.03421
464743.41	3807501.91	0.03402	464763.41	3807501.91	0.03365
464783.41	3807501.91	0.03340	464803.41	3807501.91	0.03316
464823.41	3807501.91	0.03274	464843.41	3807501.91	0.03244
464863.41	3807501.91	0.03221	464883.41	3807501.91	0.03203
464903.41	3807501.91	0.03160	464923.41	3807501.91	0.03111
464503.41	3807521.91	0.03569	464523.41	3807521.91	0.03587
464543.41	3807521.91	0.03583	464563.41	3807521.91	0.03570
464583.41	3807521.91	0.03575	464603.41	3807521.91	0.03561
464623.41	3807521.91	0.03540	464643.41	3807521.91	0.03538
464663.41	3807521.91	0.03516	464683.41	3807521.91	0.03488
464703.41	3807521.91	0.03478	464723.41	3807521.91	0.03449
464743.41	3807521.91	0.03415	464763.41	3807521.91	0.03399
464783.41	3807521.91	0.03365	464803.41	3807521.91	0.03325
464823.41	3807521.91	0.03305	464843.41	3807521.91	0.03266
464863.41	3807521.91	0.03222	464883.41	3807521.91	0.03203
464903.41	3807521.91	0.03160	464923.41		

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3807521.91        0.03109
         464503.41    3807541.91        0.03627                        464523.41
3807541.91        0.03626
         464543.41    3807541.91        0.03623                        464563.41
3807541.91        0.03617
         464583.41    3807541.91        0.03607                        464603.41
3807541.91        0.03596
         464623.41    3807541.91        0.03582                        464643.41
3807541.91        0.03565
         464663.41    3807541.91        0.03546                        464683.41
3807541.91        0.03525
         464703.41    3807541.91        0.03500                        464723.41
3807541.91        0.03475
         464743.41    3807541.91        0.03448                        464763.41
3807541.91        0.03417
         464783.41    3807541.91        0.03374                        464803.41
3807541.91        0.03329
         464823.41    3807541.91        0.03313                        464843.41
3807541.91        0.03284
         464863.41    3807541.91        0.03248                        464883.41
3807541.91        0.03210
         464903.41    3807541.91        0.03172                        464923.41
3807541.91        0.03133
         464503.41    3807561.91        0.03677                        464523.41
3807561.91        0.03664
         464543.41    3807561.91        0.03663                        464563.41
3807561.91        0.03662
         464583.41    3807561.91        0.03640                        464603.41
3807561.91        0.03631
         464623.41    3807561.91        0.03622                        464643.41
3807561.91        0.03593
         464663.41    3807561.91        0.03576                        464683.41
3807561.91        0.03560
         464703.41    3807561.91        0.03524                        464723.41
3807561.91        0.03501
         464743.41    3807561.91        0.03477                        464763.41
3807561.91        0.03429
         464783.41    3807561.91        0.03383                        464803.41
3807561.91        0.03342
         464823.41    3807561.91        0.03317                        464843.41
3807561.91        0.03297
         464863.41    3807561.91        0.03271                        464883.41
3807561.91        0.03215
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 255
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***

INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 , L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 , L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 , L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464903.41	3807561.91	0.03182	464923.41	3807561.91	0.03156
464503.41	3807581.91	0.03708	464523.41	3807581.91	0.03717
464543.41	3807581.91	0.03706	464563.41	3807581.91	0.03687
464583.41	3807581.91	0.03688	464603.41	3807581.91	0.03669
464623.41	3807581.91	0.03642	464643.41	3807581.91	0.03636
464663.41	3807581.91	0.03609	464683.41	3807581.91	0.03576
464703.41	3807581.91	0.03562	464723.41	3807581.91	0.03529
464743.41	3807581.91	0.03484	464763.41	3807581.91	0.03434
464783.41	3807581.91	0.03403	464803.41	3807581.91	0.03377
464823.41	3807581.91	0.03327	464843.41	3807581.91	0.03298
464863.41	3807581.91	0.03271	464883.41	3807581.91	0.03213
464903.41	3807581.91	0.03180	464923.41	3807581.91	0.03158
464503.41	3807601.91	0.03764	464523.41	3807601.91	0.03776
464543.41	3807601.91	0.03761	464563.41	3807601.91	0.03734

```
        464583.41    3807601.91        0.03719                    464603.41
3807601.91        0.03703
        464623.41    3807601.91        0.03684                    464643.41
3807601.91        0.03662
        464663.41    3807601.91        0.03638                    464683.41
3807601.91        0.03613
        464703.41    3807601.91        0.03584                    464723.41
3807601.91        0.03541
        464743.41    3807601.91        0.03494                    464763.41
3807601.91        0.03461
        464783.41    3807601.91        0.03426                    464803.41
3807601.91        0.03389
        464823.41    3807601.91        0.03353                    464843.41
3807601.91        0.03314
        464863.41    3807601.91        0.03274                    464883.41
3807601.91        0.03235
        464903.41    3807601.91        0.03195                    464923.41
3807601.91        0.03156
        464503.41    3807621.91        0.03825                    464523.41
3807621.91        0.03828
        464543.41    3807621.91        0.03810                    464563.41
3807621.91        0.03779
        464583.41    3807621.91        0.03752                    464603.41
3807621.91        0.03738
        464623.41    3807621.91        0.03724                    464643.41
3807621.91        0.03689
        464663.41    3807621.91        0.03668                    464683.41
3807621.91        0.03647
        464703.41    3807621.91        0.03598                    464723.41
3807621.91        0.03553
        464743.41    3807621.91        0.03512                    464763.41
3807621.91        0.03489
        464783.41    3807621.91        0.03449                    464803.41
3807621.91        0.03405
        464823.41    3807621.91        0.03378                    464843.41
3807621.91        0.03335
        464863.41    3807621.91        0.03287                    464883.41
3807621.91        0.03258
        464903.41    3807621.91        0.03213                    464923.41
3807621.91        0.03164
        464503.41    3807641.91        0.03884                    464523.41
3807641.91        0.03861
        464543.41    3807641.91        0.03832                    464563.41
3807641.91        0.03803
        464583.41    3807641.91        0.03800                    464603.41
3807641.91        0.03775
        464623.41    3807641.91        0.03743                    464643.41
3807641.91        0.03732
        464663.41    3807641.91        0.03701                    464683.41
3807641.91        0.03656
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                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                   INCLUDING SOURCE(S):   L0006729   , L0006730
, L0006731   , L0006732   , L0006733   ,
                  L0006734   , L0006735   , L0006736   , L0006737   , L0006738
, L0006739   , L0006740   , L0006741   ,
                  L0006742   , L0006743   , L0006744   , L0006745   , L0006746
, L0006747   , L0006748   , L0006749   ,
                  L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464743.41   3807641.91   0.03552   464763.41
3807641.91   0.03502
         464783.41   3807641.91   0.03470   464803.41
3807641.91   0.03441
         464823.41   3807641.91   0.03387   464843.41
3807641.91   0.03352
         464863.41   3807641.91   0.03321   464883.41
3807641.91   0.03265
         464903.41   3807641.91   0.03229   464923.41
3807641.91   0.03196
         464503.41   3807661.91   0.03947   464523.41
3807661.91   0.03917
         464543.41   3807661.91   0.03883   464563.41
3807661.91   0.03850
         464583.41   3807661.91   0.03830   464603.41
3807661.91   0.03809
         464623.41   3807661.91   0.03785   464643.41
3807661.91   0.03758
         464663.41   3807661.91   0.03730   464683.41

3807661.91 0.03697
464703.41 3807661.91 0.03645 464723.41 3807661.91 0.03603
464743.41 3807661.91 0.03567 464763.41 3807661.91 0.03531
464783.41 3807661.91 0.03493 464803.41 3807661.91 0.03453
464823.41 3807661.91 0.03414 464843.41 3807661.91 0.03373
464863.41 3807661.91 0.03331 464883.41 3807661.91 0.03290
464903.41 3807661.91 0.03248 464923.41 3807661.91 0.03205
464503.41 3807681.91 0.04012 464523.41 3807681.91 0.03979
464543.41 3807681.91 0.03944 464563.41 3807681.91 0.03905
464583.41 3807681.91 0.03865 464603.41 3807681.91 0.03843
464623.41 3807681.91 0.03825 464643.41 3807681.91 0.03784
464663.41 3807681.91 0.03759 464683.41 3807681.91 0.03735
464703.41 3807681.91 0.03689 464723.41 3807681.91 0.03637
464743.41 3807681.91 0.03586 464763.41 3807681.91 0.03560
464783.41 3807681.91 0.03517 464803.41 3807681.91 0.03469
464823.41 3807681.91 0.03440 464843.41 3807681.91 0.03394
464863.41 3807681.91 0.03344 464883.41 3807681.91 0.03314
464903.41 3807681.91 0.03268 464923.41 3807681.91 0.03217
464523.41 3807701.91 0.04042 464543.41 3807701.91 0.04004
464563.41 3807701.91 0.03964 464583.41 3807701.91 0.03921
464603.41 3807701.91 0.03880 464623.41 3807701.91 0.03843
464643.41 3807701.91 0.03828 464663.41 3807701.91 0.03792
464683.41 3807701.91 0.03748 464703.41 3807701.91 0.03729
464723.41 3807701.91 0.03683 464743.41 3807701.91 0.03626
464763.41 3807701.91 0.03572 464783.41 3807701.91 0.03537
464803.41 3807701.91 0.03506 464823.41

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464643.41	3807721.91	0.03845	464663.41	3807721.91	0.03821
464683.41	3807721.91	0.03786	464703.41	3807721.91	0.03750
464723.41	3807721.91	0.03697	464743.41	3807721.91	0.03641
464763.41	3807721.91	0.03603	464783.41	3807721.91	0.03562
464803.41	3807721.91	0.03519	464823.41	3807721.91	0.03478

464843.41	3807721.91	0.03435	464863.41	3807721.91	0.03391
464883.41	3807721.91	0.03349	464903.41	3807721.91	0.03306
464923.41	3807721.91	0.03262	464943.41	3807721.91	0.03221
464963.41	3807721.91	0.03178	464983.41	3807721.91	0.03136
465003.41	3807721.91	0.03097	465023.41	3807721.91	0.03058
465043.41	3807721.91	0.03019	465063.41	3807721.91	0.02984
465083.41	3807721.91	0.02949	465103.41	3807721.91	0.02911
465123.41	3807721.91	0.02855	465143.41	3807721.91	0.02818
465163.41	3807721.91	0.02787	465183.41	3807721.91	0.02736
465203.41	3807721.91	0.02703	465223.41	3807721.91	0.02679
465243.41	3807721.91	0.02660	465263.41	3807721.91	0.02642
465283.41	3807721.91	0.02620	465303.41	3807721.91	0.02580
465323.41	3807721.91	0.02560	465343.41	3807721.91	0.02545
465363.41	3807721.91	0.02510	465383.41	3807721.91	0.02492
464543.41	3807741.91	0.04120	464563.41	3807741.91	0.04032
464583.41	3807741.91	0.03976	464603.41	3807741.91	0.03924
464623.41	3807741.91	0.03880	464643.41	3807741.91	0.03869
464663.41	3807741.91	0.03850	464683.41	3807741.91	0.03821
464703.41	3807741.91	0.03763	464723.41	3807741.91	0.03708
464743.41	3807741.91	0.03660	464763.41	3807741.91	0.03632
464783.41	3807741.91	0.03586	464803.41	3807741.91	0.03535
464823.41	3807741.91	0.03505	464843.41	3807741.91	0.03452
464863.41	3807741.91	0.03393	464883.41	3807741.91	0.03372
464903.41	3807741.91	0.03321	464923.41	3807741.91	0.03263
464943.41	3807741.91	0.03244	464963.41	3807741.91	0.03194

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         464983.41    3807741.91        0.03137                       465003.41
3807741.91        0.03121
         465023.41    3807741.91        0.03081                       465043.41
3807741.91        0.03034
         465063.41    3807741.91        0.03013                       465083.41
3807741.91        0.02967
         465103.41    3807741.91        0.02911                       465123.41
3807741.91        0.02866
         465143.41    3807741.91        0.02842                       465163.41
3807741.91        0.02825
         465183.41    3807741.91        0.02785                       465203.41
3807741.91        0.02740
         465223.41    3807741.91        0.02700                       465243.41
3807741.91        0.02697
         465263.41    3807741.91        0.02667                       465283.41
3807741.91        0.02627
         465303.41    3807741.91        0.02598                       465323.41
3807741.91        0.02592
         465343.41    3807741.91        0.02593                       465363.41
3807741.91        0.02568
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         465383.41    3807741.91        0.02539                       464543.41
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3807761.91 0.04251
464563.41 3807761.91 0.04130 464583.41
3807761.91 0.04043
464603.41 3807761.91 0.03980 464623.41
3807761.91 0.03934
464643.41 3807761.91 0.03922 464663.41
3807761.91 0.03883
464683.41 3807761.91 0.03829 464703.41
3807761.91 0.03769
464723.41 3807761.91 0.03733 464743.41
3807761.91 0.03702
464763.41 3807761.91 0.03644 464783.41
3807761.91 0.03608
464803.41 3807761.91 0.03575 464823.41
3807761.91 0.03515
464843.41 3807761.91 0.03451 464863.41
3807761.91 0.03392
464883.41 3807761.91 0.03371 464903.41
3807761.91 0.03320
464923.41 3807761.91 0.03261 464943.41
3807761.91 0.03242
464963.41 3807761.91 0.03192 464983.41
3807761.91 0.03135
465003.41 3807761.91 0.03119 465023.41
3807761.91 0.03102
465043.41 3807761.91 0.03077 465063.41
3807761.91 0.03023
465083.41 3807761.91 0.02967 465103.41
3807761.91 0.02918
465123.41 3807761.91 0.02907 465143.41
3807761.91 0.02872
465163.41 3807761.91 0.02834 465183.41
3807761.91 0.02830
465203.41 3807761.91 0.02796 465223.41
3807761.91 0.02751
465243.41 3807761.91 0.02714 465263.41
3807761.91 0.02673
465283.41 3807761.91 0.02640 465303.41
3807761.91 0.02648
465323.41 3807761.91 0.02631 465343.41
3807761.91 0.02609
465363.41 3807761.91 0.02623 465383.41
3807761.91 0.02605
464543.41 3807781.91 0.04406 464563.41
3807781.91 0.04273
464583.41 3807781.91 0.04176 464603.41
3807781.91 0.04092
464623.41 3807781.91 0.04017 464643.41
3807781.91 0.03956
464663.41 3807781.91 0.03912 464683.41

3807781.91   0.03871
         464703.41   3807781.91   0.03809   464723.41
3807781.91   0.03760
         464743.41   3807781.91   0.03718   464763.41
3807781.91   0.03676
         464783.41   3807781.91   0.03633   464803.41
3807781.91   0.03585
         464823.41   3807781.91   0.03518   464843.41
3807781.91   0.03467
         464863.41   3807781.91   0.03423   464883.41
3807781.91   0.03378
         464903.41   3807781.91   0.03334   464923.41
3807781.91   0.03292
         464943.41   3807781.91   0.03248   464963.41
3807781.91   0.03207
         464983.41   3807781.91   0.03167   465003.41
3807781.91   0.03127
         465023.41   3807781.91   0.03105   465043.41
3807781.91   0.03086
         465063.41   3807781.91   0.03025   465083.41
3807781.91   0.02986
         465103.41   3807781.91   0.02955   465123.41
3807781.91   0.02925
         465143.41   3807781.91   0.02899   465163.41
3807781.91   0.02875
         465183.41   3807781.91   0.02852   465203.41
3807781.91   0.02812
         465223.41   3807781.91   0.02771   465243.41
3807781.91   0.02756

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                   INCLUDING SOURCE(S):   L0006729   , L0006730
, L0006731   , L0006732   , L0006733   ,
                  L0006734   , L0006735   , L0006736   , L0006737   , L0006738
, L0006739   , L0006740   , L0006741   ,
                  L0006742   , L0006743   , L0006744   , L0006745   , L0006746
, L0006747   , L0006748   , L0006749   ,
                  L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465263.41	3807781.91	0.02724	465283.41	3807781.91	0.02687
465303.41	3807781.91	0.02675	465323.41	3807781.91	0.02667
465343.41	3807781.91	0.02660	465363.41	3807781.91	0.02654
465383.41	3807781.91	0.02629	464543.41	3807801.91	0.04568
464563.41	3807801.91	0.04434	464583.41	3807801.91	0.04323
464603.41	3807801.91	0.04210	464623.41	3807801.91	0.04098
464643.41	3807801.91	0.03993	464663.41	3807801.91	0.03942
464683.41	3807801.91	0.03910	464703.41	3807801.91	0.03847
464723.41	3807801.91	0.03789	464743.41	3807801.91	0.03737
464763.41	3807801.91	0.03707	464783.41	3807801.91	0.03653
464803.41	3807801.91	0.03587	464823.41	3807801.91	0.03528
464843.41	3807801.91	0.03489	464863.41	3807801.91	0.03453
464883.41	3807801.91	0.03394	464903.41	3807801.91	0.03356
464923.41	3807801.91	0.03322	464943.41	3807801.91	0.03265
464963.41	3807801.91	0.03229	464983.41	3807801.91	0.03198
465003.41	3807801.91	0.03144	465023.41	3807801.91	0.03113
465043.41	3807801.91	0.03087	465063.41	3807801.91	0.03038
465083.41	3807801.91	0.03012	465103.41	3807801.91	0.02992
465123.41	3807801.91	0.02948	465143.41	3807801.91	0.02929
465163.41	3807801.91	0.02915	465183.41	3807801.91	0.02865
465203.41	3807801.91	0.02825	465223.41	3807801.91	0.02797

```
         465243.41    3807801.91        0.02799                       465263.41
3807801.91        0.02772
         465283.41    3807801.91        0.02733                       465303.41
3807801.91        0.02706
         465323.41    3807801.91        0.02705                       465343.41
3807801.91        0.02709
         465363.41    3807801.91        0.02674                       465383.41
3807801.91        0.02649
         464543.41    3807821.91        0.04724                       464563.41
3807821.91        0.04603
         464583.41    3807821.91        0.04452                       464603.41
3807821.91        0.04301
         464623.41    3807821.91        0.04158                       464643.41
3807821.91        0.04049
         464663.41    3807821.91        0.03976                       464683.41
3807821.91        0.03917
         464703.41    3807821.91        0.03852                       464723.41
3807821.91        0.03814
         464743.41    3807821.91        0.03782                       464763.41
3807821.91        0.03721
         464783.41    3807821.91        0.03654                       464803.41
3807821.91        0.03593
         464823.41    3807821.91        0.03566                       464843.41
3807821.91        0.03515
         464863.41    3807821.91        0.03458                       464883.41
3807821.91        0.03432
         464903.41    3807821.91        0.03382                       464923.41
3807821.91        0.03327
         464943.41    3807821.91        0.03303                       464963.41
3807821.91        0.03256
         464983.41    3807821.91        0.03204                       465003.41
3807821.91        0.03185
         465023.41    3807821.91        0.03142                       465043.41
3807821.91        0.03094
         465063.41    3807821.91        0.03081                       465083.41
3807821.91        0.03044
         465103.41    3807821.91        0.03001                       465123.41
3807821.91        0.02996
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 260
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                  INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
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                 L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                 L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                 L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465143.41    3807821.91        0.02965                       465163.41
3807821.91        0.02920
         465183.41    3807821.91        0.02871                       465203.41
3807821.91        0.02858
         465223.41    3807821.91        0.02856                       465243.41
3807821.91        0.02820
         465263.41    3807821.91        0.02781                       465283.41
3807821.91        0.02750
         465303.41    3807821.91        0.02764                       465323.41
3807821.91        0.02750
         465343.41    3807821.91        0.02721                       465363.41
3807821.91        0.02687
         465383.41    3807821.91        0.02690                       464543.41
3807841.91        0.04946
         464563.41    3807841.91        0.04841                       464583.41
3807841.91        0.04635
         464603.41    3807841.91        0.04438                       464623.41
3807841.91        0.04260
         464643.41    3807841.91        0.04147                       464663.41
3807841.91        0.04049
         464683.41    3807841.91        0.03962                       464723.41
3807841.91        0.03843
         464743.41    3807841.91        0.03794                       464763.41
3807841.91        0.03725
         464783.41    3807841.91        0.03673                       464803.41
3807841.91        0.03628
         464823.41    3807841.91        0.03582                       464843.41
3807841.91        0.03537
         464863.41    3807841.91        0.03493                       464883.41
3807841.91        0.03448
         464903.41    3807841.91        0.03404                       464923.41
3807841.91        0.03362
         464943.41    3807841.91        0.03319                       464963.41
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3807841.91        0.03280
         464983.41    3807841.91        0.03241                        465003.41
3807841.91        0.03203
         465023.41    3807841.91        0.03168                        465043.41
3807841.91        0.03134
         465063.41    3807841.91        0.03101                        465083.41
3807841.91        0.03072
         465103.41    3807841.91        0.03046                        465123.41
3807841.91        0.03019
         465143.41    3807841.91        0.02997                        465163.41
3807841.91        0.02973
         465183.41    3807841.91        0.02924                        465203.41
3807841.91        0.02896
         465223.41    3807841.91        0.02881                        465243.41
3807841.91        0.02870
         465263.41    3807841.91        0.02839                        465283.41
3807841.91        0.02804
         465303.41    3807841.91        0.02796                        465323.41
3807841.91        0.02769
         465343.41    3807841.91        0.02739                        465363.41
3807841.91        0.02739
         465383.41    3807841.91        0.02738                        464503.41
3807861.91        0.05174
         464523.41    3807861.91        0.05197                        464543.41
3807861.91        0.05170
         464563.41    3807861.91        0.05084                        464583.41
3807861.91        0.04858
         464603.41    3807861.91        0.04623                        464723.41
3807861.91        0.03866
         464743.41    3807861.91        0.03797                        464763.41
3807861.91        0.03727
         464783.41    3807861.91        0.03690                        464803.41
3807861.91        0.03662
         464823.41    3807861.91        0.03601                        464843.41
3807861.91        0.03561
         464863.41    3807861.91        0.03526                        464883.41
3807861.91        0.03466
         464903.41    3807861.91        0.03429                        464923.41
3807861.91        0.03397
         464943.41    3807861.91        0.03339                        464963.41
3807861.91        0.03305
         464983.41    3807861.91        0.03277                        465003.41
3807861.91        0.03224
         465023.41    3807861.91        0.03196                        465043.41
3807861.91        0.03174
         465063.41    3807861.91        0.03126                        465083.41
3807861.91        0.03104
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***

INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 , L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 , L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 , L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465103.41	3807861.91	0.03089	465123.41	3807861.91	0.03047
465143.41	3807861.91	0.03033	465163.41	3807861.91	0.03025
465183.41	3807861.91	0.02989	465203.41	3807861.91	0.02947
465223.41	3807861.91	0.02911	465243.41	3807861.91	0.02919
465263.41	3807861.91	0.02896	465283.41	3807861.91	0.02858
465303.41	3807861.91	0.02832	465323.41	3807861.91	0.02801
465343.41	3807861.91	0.02775	465363.41	3807861.91	0.02793
465383.41	3807861.91	0.02859	464503.41	3807881.91	0.05286
464523.41	3807881.91	0.05314	464543.41	3807881.91	0.05286
464723.41	3807881.91	0.03870	464743.41	3807881.91	0.03800
464763.41	3807881.91	0.03729	464783.41	3807881.91	0.03691
464803.41	3807881.91	0.03669	464823.41	3807881.91	0.03643

464843.41	3807881.91	0.03591	464863.41	3807881.91	0.03533
464883.41	3807881.91	0.03508	464903.41	3807881.91	0.03459
464923.41	3807881.91	0.03403	464943.41	3807881.91	0.03383
464963.41	3807881.91	0.03337	464983.41	3807881.91	0.03286
465003.41	3807881.91	0.03271	465023.41	3807881.91	0.03230
465043.41	3807881.91	0.03184	465063.41	3807881.91	0.03176
465083.41	3807881.91	0.03142	465103.41	3807881.91	0.03102
465123.41	3807881.91	0.03103	465143.41	3807881.91	0.03075
465163.41	3807881.91	0.03041	465183.41	3807881.91	0.03050
465203.41	3807881.91	0.03022	465223.41	3807881.91	0.02979
465243.41	3807881.91	0.02946	465263.41	3807881.91	0.02908
465283.41	3807881.91	0.02878	465303.41	3807881.91	0.02899
465323.41	3807881.91	0.02881	465343.41	3807881.91	0.02848
465363.41	3807881.91	0.02824	465383.41	3807881.91	0.02918
464723.41	3807901.91	0.03920	464743.41	3807901.91	0.03807
464763.41	3807901.91	0.03762	464783.41	3807901.91	0.03715
464803.41	3807901.91	0.03671	464823.41	3807901.91	0.03652
464843.41	3807901.91	0.03597	464863.41	3807901.91	0.03534
464883.41	3807901.91	0.03517	464903.41	3807901.91	0.03485
464923.41	3807901.91	0.03444	464943.41	3807901.91	0.03403
464963.41	3807901.91	0.03344	464983.41	3807901.91	0.03289
465003.41	3807901.91	0.03282	465023.41	3807901.91	0.03261
465043.41	3807901.91	0.03231	465063.41	3807901.91	0.03202
465083.41	3807901.91	0.03177	465103.41	3807901.91	0.03154
465123.41	3807901.91	0.03132	465143.41	3807901.91	0.03114

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                    INCLUDING SOURCE(S):   L0006729   , L0006730
, L0006731   , L0006732   , L0006733   ,
                   L0006734   , L0006735   , L0006736   , L0006737   , L0006738
, L0006739   , L0006740   , L0006741   ,
                   L0006742   , L0006743   , L0006744   , L0006745   , L0006746
, L0006747   , L0006748   , L0006749   ,
                   L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465283.41   3807901.91   0.02941   465303.41
3807901.91   0.02937
         465323.41   3807901.91   0.03010   465343.41
3807901.91   0.03018
         465363.41   3807901.91   0.02982   465383.41
3807901.91   0.02983
         464723.41   3807921.91   0.03997   464743.41
3807921.91   0.03841
         464763.41   3807921.91   0.03800   464783.41
3807921.91   0.03744
         464803.41   3807921.91   0.03687   464823.41
3807921.91   0.03656
         464843.41   3807921.91   0.03605   464863.41
3807921.91   0.03551
         464883.41   3807921.91   0.03535   464903.41

3807921.91 0.03513
464923.41 3807921.91 0.03482 464943.41
3807921.91 0.03413
464963.41 3807921.91 0.03355 464983.41
3807921.91 0.03308
465003.41 3807921.91 0.03304 465023.41
3807921.91 0.03295
465043.41 3807921.91 0.03277 465063.41
3807921.91 0.03231
465083.41 3807921.91 0.03214 465103.41
3807921.91 0.03205
465123.41 3807921.91 0.03165 465143.41
3807921.91 0.03156
465163.41 3807921.91 0.03155 465183.41
3807921.91 0.03121
465203.41 3807921.91 0.03080 465223.41
3807921.91 0.03046
465243.41 3807921.91 0.03061 465263.41
3807921.91 0.03129
465283.41 3807921.91 0.03099 465303.41
3807921.91 0.03060
465323.41 3807921.91 0.03089 465343.41
3807921.91 0.03111
465363.41 3807921.91 0.03075 465383.41
3807921.91 0.03064
464723.41 3807941.91 0.04116 464743.41
3807941.91 0.03940
464763.41 3807941.91 0.03825 464783.41
3807941.91 0.03770
464803.41 3807941.91 0.03736 464823.41
3807941.91 0.03670
464843.41 3807941.91 0.03631 464863.41
3807941.91 0.03608
464883.41 3807941.91 0.03594 464903.41
3807941.91 0.03548
464923.41 3807941.91 0.03484 464943.41
3807941.91 0.03416
464963.41 3807941.91 0.03384 464983.41
3807941.91 0.03372
465003.41 3807941.91 0.03370 465023.41
3807941.91 0.03335
465043.41 3807941.91 0.03292 465063.41
3807941.91 0.03291
465083.41 3807941.91 0.03259 465103.41
3807941.91 0.03222
465123.41 3807941.91 0.03230 465143.41
3807941.91 0.03206
465163.41 3807941.91 0.03175 465183.41
3807941.91 0.03192
465203.41 3807941.91 0.03166 465223.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                  INCLUDING SOURCE(S):   L0006729   , L0006730
, L0006731   , L0006732   , L0006733   ,
                  L0006734   , L0006735   , L0006736   , L0006737   , L0006738
, L0006739   , L0006740   , L0006741   ,
                  L0006742   , L0006743   , L0006744   , L0006745   , L0006746
, L0006747   , L0006748   , L0006749   ,
                  L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465523.41   3807941.91   0.03102   465543.41
3807941.91   0.03149
         465563.41   3807941.91   0.03156   465583.41
3807941.91   0.03136
         465603.41   3807941.91   0.03111   465623.41
3807941.91   0.03143

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        465643.41    3807941.91        0.03171                    465663.41
3807941.91        0.03180
        465683.41    3807941.91        0.03271                    465703.41
3807941.91        0.03307
        464723.41    3807961.91        0.04303                    464743.41
3807961.91        0.04051
        464763.41    3807961.91        0.03887                    464783.41
3807961.91        0.03801
        464803.41    3807961.91        0.03753                    464823.41
3807961.91        0.03710
        464843.41    3807961.91        0.03663                    464863.41
3807961.91        0.03622
        464883.41    3807961.91        0.03609                    464903.41
3807961.91        0.03557
        464923.41    3807961.91        0.03493                    464943.41
3807961.91        0.03457
        464963.41    3807961.91        0.03420                    464983.41
3807961.91        0.03389
        465003.41    3807961.91        0.03389                    465023.41
3807961.91        0.03349
        465043.41    3807961.91        0.03300                    465063.41
3807961.91        0.03309
        465083.41    3807961.91        0.03301                    465103.41
3807961.91        0.03283
        465123.41    3807961.91        0.03265                    465143.41
3807961.91        0.03252
        465163.41    3807961.91        0.03241                    465183.41
3807961.91        0.03230
        465203.41    3807961.91        0.03306                    465223.41
3807961.91        0.03308
        465243.41    3807961.91        0.03264                    465263.41
3807961.91        0.03260
        465283.41    3807961.91        0.03262                    465303.41
3807961.91        0.03223
        465323.41    3807961.91        0.03240                    465343.41
3807961.91        0.03262
        465363.41    3807961.91        0.03225                    465383.41
3807961.91        0.03225
        465403.41    3807961.91        0.03308                    465423.41
3807961.91        0.03319
        465443.41    3807961.91        0.03297                    465463.41
3807961.91        0.03209
        465483.41    3807961.91        0.03223                    465503.41
3807961.91        0.03202
        465523.41    3807961.91        0.03192                    465543.41
3807961.91        0.03205
        465563.41    3807961.91        0.03186                    465583.41
3807961.91        0.03165
        465603.41    3807961.91        0.03195                    465623.41
3807961.91        0.03210
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         465643.41    3807961.91        0.03285                       465663.41
3807961.91        0.03323
         465683.41    3807961.91        0.03336                       465703.41
3807961.91        0.03343
         464743.41    3807981.91        0.04193                       464763.41
3807981.91        0.03979
         464783.41    3807981.91        0.03853                       464803.41
3807981.91        0.03777
         464823.41    3807981.91        0.03761                       464843.41
3807981.91        0.03706
         464863.41    3807981.91        0.03642                       464883.41
3807981.91        0.03630
         464903.41    3807981.91        0.03579                       464923.41
3807981.91        0.03518
         464943.41    3807981.91        0.03498                       464963.41
3807981.91        0.03457
         464983.41    3807981.91        0.03412                       465003.41
3807981.91        0.03400
         465023.41    3807981.91        0.03365                       465043.41
3807981.91        0.03326
         465063.41    3807981.91        0.03323                       465083.41
3807981.91        0.03334
         465103.41    3807981.91        0.03340                       465123.41
3807981.91        0.03288
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 264
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                  INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                  L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                  L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                  L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
```

Y-COORD (M) CONC

- - - -

3808001.91 0.03301
  465143.41 3808001.91 0.03303 465163.41
3808001.91 0.03417
  465183.41 3808001.91 0.03468 465203.41
3808001.91 0.03465
  465223.41 3808001.91 0.03427 465243.41
3808001.91 0.03383
  465263.41 3808001.91 0.03340 465283.41
3808001.91 0.03326
  465303.41 3808001.91 0.03410 465323.41
3808001.91 0.03427
  465343.41 3808001.91 0.03465 465363.41
3808001.91 0.03512
  465383.41 3808001.91 0.03506 465403.41
3808001.91 0.03471
  465423.41 3808001.91 0.03444 465443.41
3808001.91 0.03413
  465463.41 3808001.91 0.03369 465483.41
3808001.91 0.03347
  465503.41 3808001.91 0.03319 465523.41
3808001.91 0.03313
  465543.41 3808001.91 0.03361 465563.41
3808001.91 0.03350
  465583.41 3808001.91 0.03324 465603.41
3808001.91 0.03332
  465623.41 3808001.91 0.03426 465643.41
3808001.91 0.03462
  465663.41 3808001.91 0.03444 465683.41
3808001.91 0.03421
  465703.41 3808001.91 0.03417 464763.41
3808021.91 0.04367
  464783.41 3808021.91 0.04163 464803.41
3808021.91 0.03997

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

 *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
  INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
  L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
  L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
  L0006750 , L0006751 , L0006752 , L0006753 , L0006754

, L0006755   , L0006756   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464823.41	3808021.91	0.03916	464843.41	3808021.91	0.03839
464863.41	3808021.91	0.03770	464883.41	3808021.91	0.03727
464903.41	3808021.91	0.03689	464923.41	3808021.91	0.03648
464943.41	3808021.91	0.03580	464963.41	3808021.91	0.03535
464983.41	3808021.91	0.03503	465003.41	3808021.91	0.03478
465023.41	3808021.91	0.03451	465043.41	3808021.91	0.03427
465063.41	3808021.91	0.03408	465083.41	3808021.91	0.03390
465103.41	3808021.91	0.03373	465123.41	3808021.91	0.03363
465143.41	3808021.91	0.03352	465163.41	3808021.91	0.03435
465183.41	3808021.91	0.03496	465203.41	3808021.91	0.03491
465223.41	3808021.91	0.03469	465243.41	3808021.91	0.03496
465263.41	3808021.91	0.03482	465283.41	3808021.91	0.03445
465303.41	3808021.91	0.03470	465323.41	3808021.91	0.03540
465343.41	3808021.91	0.03564	465363.41	3808021.91	0.03571
465383.41	3808021.91	0.03543	465403.41	3808021.91	0.03512
465423.41	3808021.91	0.03539	465443.41	3808021.91	0.03515
465463.41	3808021.91	0.03411	465483.41	3808021.91	0.03439
465503.41	3808021.91	0.03418	465523.41	3808021.91	0.03394
465543.41	3808021.91	0.03421	465563.41	3808021.91	0.03511

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         465583.41    3808021.91        0.03518                       465603.41
3808021.91        0.03490
         465623.41    3808021.91        0.03493                       465643.41
3808021.91        0.03500
         465663.41    3808021.91        0.03474                       465683.41
3808021.91        0.03503
         465703.41    3808021.91        0.03528                       464783.41
3808041.91        0.04400
         464803.41    3808041.91        0.04185                       464823.41
3808041.91        0.04034
         464843.41    3808041.91        0.03924                       464863.41
3808041.91        0.03837
         464883.41    3808041.91        0.03764                       464903.41
3808041.91        0.03729
         464923.41    3808041.91        0.03705                       464943.41
3808041.91        0.03636
         464963.41    3808041.91        0.03570                       464983.41
3808041.91        0.03518
         465003.41    3808041.91        0.03527                       465023.41
3808041.91        0.03500
         465043.41    3808041.91        0.03464                       465063.41
3808041.91        0.03467
         465083.41    3808041.91        0.03444                       465103.41
3808041.91        0.03415
         465123.41    3808041.91        0.03427                       465143.41
3808041.91        0.03499
         465163.41    3808041.91        0.03490                       465183.41
3808041.91        0.03519
         465203.41    3808041.91        0.03537                       465223.41
3808041.91        0.03531
         465243.41    3808041.91        0.03610                       465263.41
3808041.91        0.03675
         465283.41    3808041.91        0.03642                       465303.41
3808041.91        0.03600
         465323.41    3808041.91        0.03625                       465343.41
3808041.91        0.03646
         465363.41    3808041.91        0.03634                       465383.41
3808041.91        0.03601
         465403.41    3808041.91        0.03573                       465423.41
3808041.91        0.03617
         465443.41    3808041.91        0.03670                       465463.41
3808041.91        0.03472
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 266
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***

INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 , L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 , L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 , L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465483.41	3808041.91	0.03518	465503.41	3808041.91	0.03604
465523.41	3808041.91	0.03594	465543.41	3808041.91	0.03564
465563.41	3808041.91	0.03578	465583.41	3808041.91	0.03610
465603.41	3808041.91	0.03582	465623.41	3808041.91	0.03555
465643.41	3808041.91	0.03530	465663.41	3808041.91	0.03539
465683.41	3808041.91	0.03580	465703.41	3808041.91	0.03659
464803.41	3808061.91	0.04359	464823.41	3808061.91	0.04195
464843.41	3808061.91	0.04045	464863.41	3808061.91	0.03915
464883.41	3808061.91	0.03841	464903.41	3808061.91	0.03776
464923.41	3808061.91	0.03714	464943.41	3808061.91	0.03646
464963.41	3808061.91	0.03580	464983.41	3808061.91	0.03528
465003.41	3808061.91	0.03538	465023.41	3808061.91	0.03546
465043.41	3808061.91	0.03545	465063.41	3808061.91	0.03499
465083.41	3808061.91	0.03495	465103.41	3808061.91	0.03503
465123.41	3808061.91	0.03463	465143.41		

3808061.91 0.03569
465163.41 3808061.91 0.03611 465183.41
3808061.91 0.03573
465203.41 3808061.91 0.03625 465223.41
3808061.91 0.03684
465243.41 3808061.91 0.03665 465263.41
3808061.91 0.03744
465283.41 3808061.91 0.03780 465303.41
3808061.91 0.03736
465323.41 3808061.91 0.03701 465343.41
3808061.91 0.03693
465363.41 3808061.91 0.03742 465383.41
3808061.91 0.03721
465403.41 3808061.91 0.03686 465423.41
3808061.91 0.03687
465443.41 3808061.91 0.03697 465463.41
3808061.91 0.03580
465483.41 3808061.91 0.03585 465503.41
3808061.91 0.03684
465523.41 3808061.91 0.03719 465543.41
3808061.91 0.03687
465563.41 3808061.91 0.03662 465583.41
3808061.91 0.03639
465603.41 3808061.91 0.03611 465623.41
3808061.91 0.03584
465643.41 3808061.91 0.03578 465663.41
3808061.91 0.03644
465683.41 3808061.91 0.03661 465703.41
3808061.91 0.03689
464823.41 3808081.91 0.04307 464843.41
3808081.91 0.04173
464863.41 3808081.91 0.04056 464883.41
3808081.91 0.03939
464903.41 3808081.91 0.03826 464923.41
3808081.91 0.03724
464943.41 3808081.91 0.03656 464963.41
3808081.91 0.03617
464983.41 3808081.91 0.03590 465003.41
3808081.91 0.03565
465023.41 3808081.91 0.03567 465043.41
3808081.91 0.03574
465063.41 3808081.91 0.03519 465083.41
3808081.91 0.03519
465103.41 3808081.91 0.03634 465123.41
3808081.91 0.03641
465143.41 3808081.91 0.03647 465163.41
3808081.91 0.03670
465183.41 3808081.91 0.03696 465203.41
3808081.91 0.03720
465223.41 3808081.91 0.03809 465243.41

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465263.41	3808081.91	0.03820	465283.41	3808081.91	0.03818
465303.41	3808081.91	0.03775	465323.41	3808081.91	0.03773
465343.41	3808081.91	0.03782	465363.41	3808081.91	0.03805
465383.41	3808081.91	0.03835	465403.41	3808081.91	0.03817
465423.41	3808081.91	0.03854	465443.41	3808081.91	0.03827
465463.41	3808081.91	0.03709	465483.41	3808081.91	0.03747
465503.41	3808081.91	0.03756	465523.41	3808081.91	0.03778
465543.41	3808081.91	0.03815	465563.41	3808081.91	0.03792
465583.41	3808081.91	0.03762	465603.41	3808081.91	0.03732
465623.41	3808081.91	0.03704	465643.41	3808081.91	0.03694

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        465663.41    3808081.91        0.03716                    465683.41
3808081.91        0.03745
        465703.41    3808081.91        0.03724                    464843.41
3808101.91        0.04304
        464863.41    3808101.91        0.04181                    464883.41
3808101.91        0.04019
        464903.41    3808101.91        0.03876                    464923.41
3808101.91        0.03757
        464943.41    3808101.91        0.03690                    464963.41
3808101.91        0.03664
        464983.41    3808101.91        0.03653                    465003.41
3808101.91        0.03607
        465023.41    3808101.91        0.03595                    465043.41
3808101.91        0.03593
        465063.41    3808101.91        0.03554                    465083.41
3808101.91        0.03562
        465103.41    3808101.91        0.03699                    465123.41
3808101.91        0.03728
        465143.41    3808101.91        0.03716                    465163.41
3808101.91        0.03697
        465183.41    3808101.91        0.03796                    465203.41
3808101.91        0.03884
        465223.41    3808101.91        0.03874                    465243.41
3808101.91        0.03899
        465263.41    3808101.91        0.03888                    465283.41
3808101.91        0.03846
        465303.41    3808101.91        0.03832                    465323.41
3808101.91        0.03848
        465343.41    3808101.91        0.03946                    465363.41
3808101.91        0.03961
        465383.41    3808101.91        0.03925                    465403.41
3808101.91        0.03895
        465423.41    3808101.91        0.03933                    465443.41
3808101.91        0.03926
        465463.41    3808101.91        0.03786                    465483.41
3808101.91        0.03826
        465503.41    3808101.91        0.03843                    465523.41
3808101.91        0.03854
        465543.41    3808101.91        0.03906                    465563.41
3808101.91        0.03953
        465583.41    3808101.91        0.03921                    465603.41
3808101.91        0.03890
        465623.41    3808101.91        0.03860                    465643.41
3808101.91        0.03833
        465663.41    3808101.91        0.03814                    465683.41
3808101.91        0.03790
        465703.41    3808101.91        0.03783                    464863.41
3808121.91        0.04193
        464883.41    3808121.91        0.04031                    464903.41
3808121.91        0.03924
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         464923.41    3808121.91        0.03845                       464943.41
3808121.91        0.03777
         464963.41    3808121.91        0.03720                       464983.41
3808121.91        0.03677
         465003.41    3808121.91        0.03685                       465023.41
3808121.91        0.03656
         465043.41    3808121.91        0.03620                       465063.41
3808121.91        0.03638
         465083.41    3808121.91        0.03776                       465103.41
3808121.91        0.03828
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 268
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                  INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                  L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                  L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                  L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         465123.41    3808121.91        0.03786                       465143.41
3808121.91        0.03738
         465163.41    3808121.91        0.03720                       465183.41
3808121.91        0.03819
         465203.41    3808121.91        0.03957                       465223.41
3808121.91        0.03995
         465243.41    3808121.91        0.03957                       465263.41
3808121.91        0.03914
         465283.41    3808121.91        0.03896                       465303.41
3808121.91        0.03945
         465323.41    3808121.91        0.03945                       465343.41
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3808121.91 0.04011
465363.41 3808121.91 0.04069 465383.41
3808121.91 0.04060
465403.41 3808121.91 0.04021 465423.41
3808121.91 0.03991
465443.41 3808121.91 0.03956 465463.41
3808121.91 0.03908
465483.41 3808121.91 0.03883 465503.41
3808121.91 0.03939
465523.41 3808121.91 0.03973 465543.41
3808121.91 0.03962
465563.41 3808121.91 0.03984 465583.41
3808121.91 0.03952
465603.41 3808121.91 0.03921 465623.41
3808121.91 0.03892
465643.41 3808121.91 0.03870 465663.41
3808121.91 0.03909
465683.41 3808121.91 0.03907 465703.41
3808121.91 0.03880
464883.41 3808141.91 0.04129 464903.41
3808141.91 0.03981
464923.41 3808141.91 0.03875 464943.41
3808141.91 0.03808
464963.41 3808141.91 0.03744 464983.41
3808141.91 0.03694
465003.41 3808141.91 0.03714 465023.41
3808141.91 0.03683
465043.41 3808141.91 0.03640 465063.41
3808141.91 0.03670
465083.41 3808141.91 0.03814 465103.41
3808141.91 0.03864
465123.41 3808141.91 0.03812 465143.41
3808141.91 0.03826
465163.41 3808141.91 0.03852 465183.41
3808141.91 0.03875
465203.41 3808141.91 0.03989 465223.41
3808141.91 0.04034
465243.41 3808141.91 0.03987 465263.41
3808141.91 0.03983
465283.41 3808141.91 0.03990 465303.41
3808141.91 0.04013
465323.41 3808141.91 0.04112 465343.41
3808141.91 0.04117
465363.41 3808141.91 0.04135 465383.41
3808141.91 0.04103
465403.41 3808141.91 0.04083 465423.41
3808141.91 0.04118
465443.41 3808141.91 0.04105 465463.41
3808141.91 0.04052
465483.41 3808141.91 0.04016 465503.41

3808141.91   0.04028
         465523.41   3808141.91   0.04087   465543.41
3808141.91   0.04094
         465563.41   3808141.91   0.04082   465583.41
3808141.91   0.04050
         465603.41   3808141.91   0.04018   465623.41
3808141.91   0.03988
         465643.41   3808141.91   0.03963   465663.41
3808141.91   0.03970
         465683.41   3808141.91   0.03992   465703.41
3808141.91   0.03996
         464883.41   3808161.91   0.04257   464903.41
3808161.91   0.04055
         464923.41   3808161.91   0.03915   464943.41
3808161.91   0.03848
         464963.41   3808161.91   0.03784   464983.41
3808161.91   0.03733
         465003.41   3808161.91   0.03738   465023.41
3808161.91   0.03713

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                 INCLUDING SOURCE(S):   L0006729   , L0006730
, L0006731   , L0006732   , L0006733   ,
                 L0006734   , L0006735   , L0006736   , L0006737   , L0006738
, L0006739   , L0006740   , L0006741   ,
                 L0006742   , L0006743   , L0006744   , L0006745   , L0006746
, L0006747   , L0006748   , L0006749   ,
                 L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465043.41   3808161.91   0.03685   465063.41
3808161.91   0.03718

```
         465083.41    3808161.91        0.03868                    465103.41
3808161.91        0.03890
         465123.41    3808161.91        0.03872                    465143.41
3808161.91        0.03924
         465163.41    3808161.91        0.04052                    465183.41
3808161.91        0.04015
         465203.41    3808161.91        0.04045                    465223.41
3808161.91        0.04063
         465243.41    3808161.91        0.04047                    465263.41
3808161.91        0.04062
         465283.41    3808161.91        0.04163                    465303.41
3808161.91        0.04178
         465323.41    3808161.91        0.04188                    465343.41
3808161.91        0.04220
         465363.41    3808161.91        0.04219                    465383.41
3808161.91        0.04182
         465403.41    3808161.91        0.04164                    465423.41
3808161.91        0.04216
         465443.41    3808161.91        0.04264                    465463.41
3808161.91        0.04226
         465483.41    3808161.91        0.04199                    465503.41
3808161.91        0.04166
         465523.41    3808161.91        0.04152                    465543.41
3808161.91        0.04187
         465563.41    3808161.91        0.04166                    465583.41
3808161.91        0.04133
         465603.41    3808161.91        0.04101                    465623.41
3808161.91        0.04090
         465643.41    3808161.91        0.04067                    465663.41
3808161.91        0.04038
         465683.41    3808161.91        0.04061                    465703.41
3808161.91        0.04113
         464903.41    3808181.91        0.04163                    464923.41
3808181.91        0.04016
         464943.41    3808181.91        0.03949                    464963.41
3808181.91        0.03884
         464983.41    3808181.91        0.03825                    465003.41
3808181.91        0.03776
         465023.41    3808181.91        0.03772                    465043.41
3808181.91        0.03794
         465063.41    3808181.91        0.03958                    465083.41
3808181.91        0.03957
         465103.41    3808181.91        0.03943                    465123.41
3808181.91        0.04035
         465143.41    3808181.91        0.04049                    465163.41
3808181.91        0.04087
         465183.41    3808181.91        0.04136                    465203.41
3808181.91        0.04130
         465223.41    3808181.91        0.04118                    465243.41
3808181.91        0.04167
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         465263.41    3808181.91        0.04164                       465283.41
3808181.91        0.04233
         465303.41    3808181.91        0.04292                       465323.41
3808181.91        0.04286
         465343.41    3808181.91        0.04274                       465363.41
3808181.91        0.04346
         465383.41    3808181.91        0.04334                       465403.41
3808181.91        0.04294
         465423.41    3808181.91        0.04276                       465443.41
3808181.91        0.04296
         465463.41    3808181.91        0.04266                       465483.41
3808181.91        0.04303
         465503.41    3808181.91        0.04295                       465523.41
3808181.91        0.04259
         465543.41    3808181.91        0.04232                       465563.41
3808181.91        0.04200
         465583.41    3808181.91        0.04167                       465603.41
3808181.91        0.04135
         465623.41    3808181.91        0.04160                       465643.41
3808181.91        0.04214
         465663.41    3808181.91        0.04183                       465683.41
3808181.91        0.04158
         465703.41    3808181.91        0.04165                       464923.41
3808201.91        0.04282
         464943.41    3808201.91        0.04075                       464963.41
3808201.91        0.03993
         464983.41    3808201.91        0.03930                       465003.41
3808201.91        0.03870
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 270
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                  INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                 L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                 L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                 L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465023.41	3808201.91	0.03873	465043.41	3808201.91	0.04032
465063.41	3808201.91	0.04034	465083.41	3808201.91	0.04059
465103.41	3808201.91	0.04085	465123.41	3808201.91	0.04107
465143.41	3808201.91	0.04183	465163.41	3808201.91	0.04204
465183.41	3808201.91	0.04206	465203.41	3808201.91	0.04211
465223.41	3808201.91	0.04218	465243.41	3808201.91	0.04239
465263.41	3808201.91	0.04341	465283.41	3808201.91	0.04344
465303.41	3808201.91	0.04361	465323.41	3808201.91	0.04396
465343.41	3808201.91	0.04414	465363.41	3808201.91	0.04430
465383.41	3808201.91	0.04491	465403.41	3808201.91	0.04487
465423.41	3808201.91	0.04445	465443.41	3808201.91	0.04403
465463.41	3808201.91	0.04368	465483.41	3808201.91	0.04370
465503.41	3808201.91	0.04341	465523.41	3808201.91	0.04304
465543.41	3808201.91	0.04269	465563.41	3808201.91	0.04280
465583.41	3808201.91	0.04282	465603.41	3808201.91	0.04249
465623.41	3808201.91	0.04259	465643.41	3808201.91	0.04272
465663.41	3808201.91	0.04241	465683.41	3808201.91	0.04240
465703.41	3808201.91	0.04258	464943.41	3808221.91	0.04339
464963.41	3808221.91	0.04214	464983.41	3808221.91	0.04148
465003.41	3808221.91	0.04086	465023.41	3808221.91	0.04112
465043.41	3808221.91	0.04133	465063.41	3808221.91	0.04111
465083.41	3808221.91	0.04195	465103.41		

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3808221.91        0.04317
         465123.41    3808221.91        0.04261                        465143.41
3808221.91        0.04284
         465163.41    3808221.91        0.04302                        465183.41
3808221.91        0.04282
         465203.41    3808221.91        0.04295                        465223.41
3808221.91        0.04400
         465243.41    3808221.91        0.04413                        465263.41
3808221.91        0.04422
         465283.41    3808221.91        0.04453                        465303.41
3808221.91        0.04451
         465323.41    3808221.91        0.04491                        465343.41
3808221.91        0.04582
         465363.41    3808221.91        0.04547                        465383.41
3808221.91        0.04568
         465403.41    3808221.91        0.04578                        465423.41
3808221.91        0.04535
         465443.41    3808221.91        0.04493                        465463.41
3808221.91        0.04453
         465483.41    3808221.91        0.04414                        465503.41
3808221.91        0.04397
         465523.41    3808221.91        0.04369                        465543.41
3808221.91        0.04333
         465563.41    3808221.91        0.04355                        465583.41
3808221.91        0.04407
         465603.41    3808221.91        0.04373                        465623.41
3808221.91        0.04359
         465643.41    3808221.91        0.04334                        465663.41
3808221.91        0.04303
         465683.41    3808221.91        0.04323                        465703.41
3808221.91        0.04373
         464963.41    3808241.91        0.04391                        464983.41
3808241.91        0.04324
         465003.41    3808241.91        0.04259                        465023.41
3808241.91        0.04207
         465043.41    3808241.91        0.04190                        465063.41
3808241.91        0.04284
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                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                   INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                 L0006734    , L0006735    , L0006736    , L0006737    , L0006738
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, L0006739    , L0006740    , L0006741    ,
                L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         465083.41    3808241.91        0.04437                       465103.41
3808241.91        0.04481
         465123.41    3808241.91        0.04423                       465143.41
3808241.91        0.04376
         465163.41    3808241.91        0.04360                       465183.41
3808241.91        0.04410
         465203.41    3808241.91        0.04404                       465223.41
3808241.91        0.04474
         465243.41    3808241.91        0.04534                       465263.41
3808241.91        0.04526
         465283.41    3808241.91        0.04511                       465303.41
3808241.91        0.04584
         465323.41    3808241.91        0.04593                       465343.41
3808241.91        0.04623
         465363.41    3808241.91        0.04660                       465383.41
3808241.91        0.04652
         465403.41    3808241.91        0.04614                       465423.41
3808241.91        0.04570
         465443.41    3808241.91        0.04529                       465463.41
3808241.91        0.04488
         465483.41    3808241.91        0.04450                       465503.41
3808241.91        0.04472
         465523.41    3808241.91        0.04528                       465543.41
3808241.91        0.04491
         465563.41    3808241.91        0.04459                       465583.41
3808241.91        0.04443
         465603.41    3808241.91        0.04409                       465623.41
3808241.91        0.04431
         465643.41    3808241.91        0.04483                       465663.41
3808241.91        0.04450
         465683.41    3808241.91        0.04422                       465703.41
3808241.91        0.04415
         464983.41    3808261.91        0.04825                       465003.41
3808261.91        0.04688
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         465023.41    3808261.91        0.04605                        465043.41
3808261.91        0.04547
         465063.41    3808261.91        0.04542                        465083.41
3808261.91        0.04538
         465103.41    3808261.91        0.04536                        465123.41
3808261.91        0.04558
         465143.41    3808261.91        0.04515                        465163.41
3808261.91        0.04467
         465183.41    3808261.91        0.04486                        465203.41
3808261.91        0.04592
         465223.41    3808261.91        0.04592                        465243.41
3808261.91        0.04608
         465263.41    3808261.91        0.04568                        465283.41
3808261.91        0.04563
         465303.41    3808261.91        0.04645                        465323.41
3808261.91        0.04735
         465343.41    3808261.91        0.04734                        465363.41
3808261.91        0.04731
         465383.41    3808261.91        0.04746                        465403.41
3808261.91        0.04742
         465423.41    3808261.91        0.04698                        465443.41
3808261.91        0.04655
         465463.41    3808261.91        0.04613                        465483.41
3808261.91        0.04572
         465503.41    3808261.91        0.04580                        465523.41
3808261.91        0.04590
         465543.41    3808261.91        0.04552                        465563.41
3808261.91        0.04548
         465583.41    3808261.91        0.04560                        465603.41
3808261.91        0.04525
         465623.41    3808261.91        0.04532                        465643.41
3808261.91        0.04547
         465663.41    3808261.91        0.04563                        465683.41
3808261.91        0.04538
         465703.41    3808261.91        0.04510                        465003.41
3808281.91        0.05001
         465023.41    3808281.91        0.04875                        465043.41
3808281.91        0.04795
         465063.41    3808281.91        0.04766                        465083.41
3808281.91        0.04678
         465103.41    3808281.91        0.04615                        465123.41
3808281.91        0.04659
         465143.41    3808281.91        0.04714                        465163.41
3808281.91        0.04659
         465183.41    3808281.91        0.04671                        465203.41
3808281.91        0.04678
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
  L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
  L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
  L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465223.41	3808281.91	0.04706	465243.41	3808281.91	0.04654
465263.41	3808281.91	0.04629	465283.41	3808281.91	0.04635
465303.41	3808281.91	0.04718	465323.41	3808281.91	0.04817
465343.41	3808281.91	0.04827	465363.41	3808281.91	0.04807
465383.41	3808281.91	0.04828	465403.41	3808281.91	0.04882
465423.41	3808281.91	0.04862	465443.41	3808281.91	0.04822
465463.41	3808281.91	0.04748	465483.41	3808281.91	0.04707
465503.41	3808281.91	0.04667	465523.41	3808281.91	0.04629
465543.41	3808281.91	0.04616	465563.41	3808281.91	0.04638
465583.41	3808281.91	0.04687	465603.41	3808281.91	0.04650
465623.41	3808281.91	0.04622	465643.41	3808281.91	0.04614
465663.41	3808281.91	0.04645	465683.41	3808281.91	0.04678
465703.41	3808281.91	0.04663	465003.41		

3808301.91 0.05410
465023.41 3808301.91 0.05242 465043.41
3808301.91 0.05004
465063.41 3808301.91 0.05141 465083.41
3808301.91 0.05030
465103.41 3808301.91 0.04760 465123.41
3808301.91 0.04748
465143.41 3808301.91 0.04748 465163.41
3808301.91 0.04738
465183.41 3808301.91 0.04799 465203.41
3808301.91 0.04788
465223.41 3808301.91 0.04742 465243.41
3808301.91 0.04690
465263.41 3808301.91 0.04746 465283.41
3808301.91 0.04805
465303.41 3808301.91 0.04914 465323.41
3808301.91 0.04906
465343.41 3808301.91 0.04888 465363.41
3808301.91 0.04940
465383.41 3808301.91 0.04960 465403.41
3808301.91 0.04943
465423.41 3808301.91 0.04991 465443.41
3808301.91 0.04989
465463.41 3808301.91 0.04787 465483.41
3808301.91 0.04745
465503.41 3808301.91 0.04705 465523.41
3808301.91 0.04688
465543.41 3808301.91 0.04736 465563.41
3808301.91 0.04744
465583.41 3808301.91 0.04726 465603.41
3808301.91 0.04689
465623.41 3808301.91 0.04696 465643.41
3808301.91 0.04722
465663.41 3808301.91 0.04706 465683.41
3808301.91 0.04750
465703.41 3808301.91 0.04772 465043.41
3808321.91 0.05370
465063.41 3808321.91 0.05272 465083.41
3808321.91 0.05157
465103.41 3808321.91 0.05041 465123.41
3808321.91 0.04978
465143.41 3808321.91 0.04917 465163.41
3808321.91 0.04865
465183.41 3808321.91 0.04878 465203.41
3808321.91 0.04833
465223.41 3808321.91 0.04803 465243.41
3808321.91 0.04838
465263.41 3808321.91 0.04894 465283.41
3808321.91 0.04998
465303.41 3808321.91 0.04993 465323.41

3808321.91   0.05006
         465343.41   3808321.91   0.05004   465363.41
3808321.91   0.05030
         465383.41   3808321.91   0.05043   465403.41
3808321.91   0.05055

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                  INCLUDING SOURCE(S):   L0006729   , L0006730
, L0006731   , L0006732   , L0006733   ,
                 L0006734   , L0006735   , L0006736   , L0006737   , L0006738
, L0006739   , L0006740   , L0006741   ,
                 L0006742   , L0006743   , L0006744   , L0006745   , L0006746
, L0006747   , L0006748   , L0006749   ,
                 L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465423.41   3808321.91   0.05079   465443.41
3808321.91   0.05055
         465463.41   3808321.91   0.04913   465483.41
3808321.91   0.04871
         465503.41   3808321.91   0.04829   465523.41
3808321.91   0.04794
         465543.41   3808321.91   0.04821   465563.41
3808321.91   0.04803
         465583.41   3808321.91   0.04770   465603.41
3808321.91   0.04786
         465623.41   3808321.91   0.04787   465643.41
3808321.91   0.04825
         465663.41   3808321.91   0.04838   465683.41
3808321.91   0.04838
         465703.41   3808321.91   0.04838   465083.41
3808341.91   0.05300

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        465103.41    3808341.91        0.05230                    465123.41
3808341.91        0.05130
        465143.41    3808341.91        0.05044                    465163.41
3808341.91        0.04985
        465183.41    3808341.91        0.04927                    465203.41
3808341.91        0.04898
        465223.41    3808341.91        0.04900                    465243.41
3808341.91        0.04953
        465263.41    3808341.91        0.05062                    465283.41
3808341.91        0.05097
        465303.41    3808341.91        0.05073                    465323.41
3808341.91        0.05117
        465343.41    3808341.91        0.05179                    465363.41
3808341.91        0.05129
        465383.41    3808341.91        0.05142                    465403.41
3808341.91        0.05193
        465423.41    3808341.91        0.05170                    465443.41
3808341.91        0.05128
        465463.41    3808341.91        0.05051                    465483.41
3808341.91        0.05007
        465503.41    3808341.91        0.04964                    465523.41
3808341.91        0.04925
        465543.41    3808341.91        0.04908                    465563.41
3808341.91        0.04872
        465583.41    3808341.91        0.04841                    465603.41
3808341.91        0.04871
        465623.41    3808341.91        0.04904                    465643.41
3808341.91        0.04894
        465663.41    3808341.91        0.04921                    465683.41
3808341.91        0.04916
        465703.41    3808341.91        0.04906                    465103.41
3808361.91        0.05412
        465123.41    3808361.91        0.05204                    465143.41
3808361.91        0.05083
        465163.41    3808361.91        0.05024                    465183.41
3808361.91        0.04966
        465203.41    3808361.91        0.05022                    465223.41
3808361.91        0.05054
        465243.41    3808361.91        0.05026                    465263.41
3808361.91        0.05102
        465283.41    3808361.91        0.05162                    465303.41
3808361.91        0.05214
        465323.41    3808361.91        0.05299                    465343.41
3808361.91        0.05359
        465363.41    3808361.91        0.05307                    465383.41
3808361.91        0.05262
        465403.41    3808361.91        0.05242                    465423.41
3808361.91        0.05288
        465443.41    3808361.91        0.05255                    465463.41
3808361.91        0.05093
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         465483.41    3808361.91        0.05049                       465503.41
3808361.91        0.05006
         465523.41    3808361.91        0.04973                       465543.41
3808361.91        0.05005
         465563.41    3808361.91        0.04993                       465583.41
3808361.91        0.04954
         465603.41    3808361.91        0.04936                       465623.41
3808361.91        0.04980
         465643.41    3808361.91        0.05003                       465663.41
3808361.91        0.04972
         465683.41    3808361.91        0.05003                       465703.41
3808361.91        0.05037
         465183.41    3808381.91        0.05235                       465203.41
3808381.91        0.05296
```



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                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                   INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                  L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                  L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                  L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         465223.41    3808381.91        0.05287                       465243.41
3808381.91        0.05283
         465263.41    3808381.91        0.05333                       465283.41
3808381.91        0.05419
         465303.41    3808381.91        0.05408                       465323.41
3808381.91        0.05484
         465343.41    3808381.91        0.05510                       465363.41
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3808381.91 0.05456
465383.41 3808381.91 0.05403 465403.41
3808381.91 0.05357
465423.41 3808381.91 0.05350 465443.41
3808381.91 0.05368
465463.41 3808381.91 0.05207 465483.41
3808381.91 0.05162
465503.41 3808381.91 0.05119 465523.41
3808381.91 0.05081
465543.41 3808381.91 0.05079 465563.41
3808381.91 0.05130
465583.41 3808381.91 0.05124 465603.41
3808381.91 0.05083
465623.41 3808381.91 0.05073 465643.41
3808381.91 0.05071
465663.41 3808381.91 0.05084 465683.41
3808381.91 0.05094
465703.41 3808381.91 0.05115 465303.41
3808401.91 0.05656
465323.41 3808401.91 0.05648 465343.41
3808401.91 0.05709
465363.41 3808401.91 0.05652 465383.41
3808401.91 0.05597
465403.41 3808401.91 0.05544 465423.41
3808401.91 0.05493
465443.41 3808401.91 0.05443 465463.41
3808401.91 0.05393
465483.41 3808401.91 0.05346 465503.41
3808401.91 0.05300
465523.41 3808401.91 0.05255 465543.41
3808401.91 0.05212
465563.41 3808401.91 0.05212 465583.41
3808401.91 0.05230
465603.41 3808401.91 0.05189 465623.41
3808401.91 0.05155
465643.41 3808401.91 0.05143 465663.41
3808401.91 0.05194
465683.41 3808401.91 0.05198 465703.41
3808401.91 0.05185
465323.41 3808421.91 0.05898 465343.41
3808421.91 0.05845
465363.41 3808421.91 0.05788 465383.41
3808421.91 0.05731
465403.41 3808421.91 0.05677 465423.41
3808421.91 0.05624
465443.41 3808421.91 0.05572 465463.41
3808421.91 0.05522
465483.41 3808421.91 0.05474 465503.41
3808421.91 0.05427
465523.41 3808421.91 0.05381 465543.41

3808421.91   0.05336
         465563.41   3808421.91   0.05297   465583.41
3808421.91   0.05274
         465603.41   3808421.91   0.05232   465623.41
3808421.91   0.05247
         465643.41   3808421.91   0.05280   465663.41
3808421.91   0.05259
         465683.41   3808421.91   0.05287   465703.41
3808421.91   0.05317
         465323.41   3808441.91   0.06063   465343.41
3808441.91   0.05996
         465363.41   3808441.91   0.05873   465383.41
3808441.91   0.05805
         465403.41   3808441.91   0.05750   465423.41
3808441.91   0.05697
         465443.41   3808441.91   0.05645   465463.41
3808441.91   0.05594
         465483.41   3808441.91   0.05545   465503.41
3808441.91   0.05497
         465523.41   3808441.91   0.05451   465543.41
3808441.91   0.05405
         465563.41   3808441.91   0.05361   465583.41
3808441.91   0.05318

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
                                 INCLUDING SOURCE(S):   L0006729   , L0006730 , L0006731   , L0006732   , L0006733   ,
                 L0006734   , L0006735   , L0006736   , L0006737   , L0006738 , L0006739   , L0006740   , L0006741   ,
                 L0006742   , L0006743   , L0006744   , L0006745   , L0006746 , L0006747   , L0006748   , L0006749   ,
                 L0006750   , L0006751   , L0006752   , L0006753   , L0006754 , L0006755   , L0006756   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

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         465543.41    3808501.91        0.05614                      465563.41
3808501.91        0.05536
         465583.41    3808501.91        0.05460                      465603.41
3808501.91        0.05470
         465623.41    3808501.91        0.05479                      465643.41
3808501.91        0.05502
         465663.41    3808501.91        0.05559                      465683.41
3808501.91        0.05568
         465703.41    3808501.91        0.05533                      465523.41
3808521.91        0.05847
         465543.41    3808521.91        0.05797                      465563.41
3808521.91        0.05660
         465583.41    3808521.91        0.05539                      465603.41
3808521.91        0.05589
         465623.41    3808521.91        0.05590                      465643.41
3808521.91        0.05574
         465663.41    3808521.91        0.05620                      465683.41
3808521.91        0.05620
         465703.41    3808521.91        0.05603                      464239.31
3809562.31        0.32148
         464277.31    3809562.31        0.30957                      463745.31
3809591.37        0.78701
         463783.31    3809591.37        0.72425                      463821.31
3809591.37        0.66937
         463859.31    3809591.37        0.61365                      463897.31
3809591.37        0.54868
         463935.31    3809591.37        0.49531                      464239.31
3809591.37        0.33414
         464277.31    3809591.37        0.32009                      463745.31
3809620.43        0.82656
         463783.31    3809620.43        0.76610                      463821.31
3809620.43        0.70594
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 276
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                   INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                 L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                 L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                 L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463859.31	3809620.43	0.64970	463897.31	3809620.43	0.59168
463935.31	3809620.43	0.52970	463973.31	3809620.43	0.48902
464011.31	3809620.43	0.45817	464049.31	3809620.43	0.43425
464087.31	3809620.43	0.41855	464125.31	3809620.43	0.39927
464163.31	3809620.43	0.38035	464201.31	3809620.43	0.36512
464239.31	3809620.43	0.34608	464277.31	3809620.43	0.33251
463745.31	3809649.49	0.86704	463783.31	3809649.49	0.80307
463821.31	3809649.49	0.74368	463859.31	3809649.49	0.68619
463897.31	3809649.49	0.62833	463935.31	3809649.49	0.57235
463973.31	3809649.49	0.53275	464011.31	3809649.49	0.49223
464049.31	3809649.49	0.46084	464087.31	3809649.49	0.44033
464125.31	3809649.49	0.41580	464163.31	3809649.49	0.39753
464201.31	3809649.49	0.37859	464239.31	3809649.49	0.35940
464277.31	3809649.49	0.34360	464315.31	3809649.49	0.33059
464353.31	3809649.49	0.31595	464391.31	3809649.49	0.30251
464429.31	3809649.49	0.29097	464467.31	3809649.49	0.27923
464505.31	3809649.49	0.27061	463745.31	3809678.55	0.89687
463783.31	3809678.55	0.83830	463821.31	3809678.55	0.77873
463859.31	3809678.55	0.72109	463897.31	3809678.55	0.66224
463935.31	3809678.55	0.60845	463973.31		

3809678.55   0.56308
         464011.31   3809678.55   0.52531   464049.31
3809678.55   0.48502
         464087.31   3809678.55   0.45937   464125.31
3809678.55   0.43377
         464163.31   3809678.55   0.41093   464201.31
3809678.55   0.39037
         464239.31   3809678.55   0.37180   464277.31
3809678.55   0.35649
         464315.31   3809678.55   0.34182   464353.31
3809678.55   0.32543
         464391.31   3809678.55   0.31153   464429.31
3809678.55   0.30006
         464467.31   3809678.55   0.28905   464505.31
3809678.55   0.27896
         463745.31   3809707.61   0.92795   463783.31
3809707.61   0.86718
         463821.31   3809707.61   0.81086   463859.31
3809707.61   0.75344
         463897.31   3809707.61   0.69811   463935.31
3809707.61   0.64084
         463973.31   3809707.61   0.59295   464011.31
3809707.61   0.55058
         464049.31   3809707.61   0.50948   464087.31
3809707.61   0.47751
         464125.31   3809707.61   0.44881   464163.31
3809707.61   0.42515
         464201.31   3809707.61   0.40409   464239.31
3809707.61   0.38559
         464277.31   3809707.61   0.36892   464315.31
3809707.61   0.35098
         464353.31   3809707.61   0.33676   464391.31
3809707.61   0.32155
         464429.31   3809707.61   0.31098   464467.31
3809707.61   0.29808
         464505.31   3809707.61   0.28971   463745.31
3809736.67   0.96278
         463783.31   3809736.67   0.89353   463821.31
3809736.67   0.83461
         463859.31   3809736.67   0.78168   463897.31
3809736.67   0.72745

VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730
, L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738
, L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746
, L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754
, L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463935.31	3809736.67	0.67522	463973.31	3809736.67	0.61992
464011.31	3809736.67	0.57310	464049.31	3809736.67	0.53226
464087.31	3809736.67	0.49569	464125.31	3809736.67	0.46524
464163.31	3809736.67	0.43759	464201.31	3809736.67	0.41832
464239.31	3809736.67	0.39690	464277.31	3809736.67	0.37951
464315.31	3809736.67	0.36248	464353.31	3809736.67	0.34885
464391.31	3809736.67	0.33311	464429.31	3809736.67	0.32027
464467.31	3809736.67	0.30964	464505.31	3809736.67	0.29655
463745.31	3809765.73	0.99781	463783.31	3809765.73	0.92277
463821.31	3809765.73	0.85825	463859.31	3809765.73	0.80471
463897.31	3809765.73	0.75443	463935.31	3809765.73	0.70398
463973.31	3809765.73	0.65479	464011.31	3809765.73	0.59833
464049.31	3809765.73	0.55215	464087.31	3809765.73	0.51289
464125.31	3809765.73	0.47887	464163.31	3809765.73	0.45003
464201.31	3809765.73	0.42989	464239.31	3809765.73	0.40759

464277.31 3809765.73 0.38948 464315.31
3809765.73 0.37313
464353.31 3809765.73 0.35767 464391.31
3809765.73 0.34278
464429.31 3809765.73 0.33159 464467.31
3809765.73 0.31688
464505.31 3809765.73 0.30491 463745.31
3809794.79 1.03198
463783.31 3809794.79 0.94889 463821.31
3809794.79 0.88103
463859.31 3809794.79 0.82262 463897.31
3809794.79 0.77403
463935.31 3809794.79 0.72580 463973.31
3809794.79 0.67863
464011.31 3809794.79 0.63268 464049.31
3809794.79 0.57230
464087.31 3809794.79 0.52993 464125.31
3809794.79 0.49558
464163.31 3809794.79 0.46555 464201.31
3809794.79 0.44205
464239.31 3809794.79 0.42013 464277.31
3809794.79 0.40104
464315.31 3809794.79 0.38310 464353.31
3809794.79 0.36852
464391.31 3809794.79 0.35579 464429.31
3809794.79 0.33936
464467.31 3809794.79 0.32538 464505.31
3809794.79 0.31447
463745.31 3809823.85 1.06485 463783.31
3809823.85 0.97424
463821.31 3809823.85 0.89791 463859.31
3809823.85 0.83868
463897.31 3809823.85 0.78698 463935.31
3809823.85 0.73821
463973.31 3809823.85 0.69554 464011.31
3809823.85 0.65491
464049.31 3809823.85 0.60683 464087.31
3809823.85 0.55221
464125.31 3809823.85 0.51241 464163.31
3809823.85 0.48117
464201.31 3809823.85 0.45574 464239.31
3809823.85 0.43289
464277.31 3809823.85 0.41190 464315.31
3809823.85 0.39650
464353.31 3809823.85 0.38251 464391.31
3809823.85 0.36469
464429.31 3809823.85 0.34841 464467.31
3809823.85 0.33451
464505.31 3809823.85 0.32275 463745.31
3809852.91 1.09917

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
                                    INCLUDING SOURCE(S):   L0006729   , L0006730 , L0006731   , L0006732   , L0006733   ,
                  L0006734   , L0006735   , L0006736   , L0006737   , L0006738 , L0006739   , L0006740   , L0006741   ,
                  L0006742   , L0006743   , L0006744   , L0006745   , L0006746 , L0006747   , L0006748   , L0006749   ,
                  L0006750   , L0006751   , L0006752   , L0006753   , L0006754 , L0006755   , L0006756   , . . .   ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

```
3809881.97        1.03206
         463821.31    3809881.97        0.94277                   463859.31
3809881.97        0.87248
         463897.31    3809881.97        0.81075                   463935.31
3809881.97        0.75821
         463973.31    3809881.97        0.71731                   464011.31
3809881.97        0.67959
         464049.31    3809881.97        0.64669                   464087.31
3809881.97        0.60953
         464125.31    3809881.97        0.56958                   464163.31
3809881.97        0.53449
         464201.31    3809881.97        0.50336                   464239.31
3809881.97        0.47560
         464277.31    3809881.97        0.44652                   464315.31
3809881.97        0.42271
         464353.31    3809881.97        0.40516                   464391.31
3809881.97        0.38552
         464429.31    3809881.97        0.36835                   464467.31
3809881.97        0.35337
         464505.31    3809881.97        0.33858                   463745.31
3809911.03        1.16443
         463783.31    3809911.03        1.05607                   463821.31
3809911.03        0.96696
         463859.31    3809911.03        0.89122                   463897.31
3809911.03        0.82628
         463935.31    3809911.03        0.76998                   463973.31
3809911.03        0.72658
         464011.31    3809911.03        0.68852                   464049.31
3809911.03        0.65597
         464087.31    3809911.03        0.62324                   464125.31
3809911.03        0.58772
         464163.31    3809911.03        0.55277                   464201.31
3809911.03        0.51830
         464239.31    3809911.03        0.48990                   464277.31
3809911.03        0.46132
         464315.31    3809911.03        0.43694                   464353.31
3809911.03        0.41498
         464391.31    3809911.03        0.39479                   464429.31
3809911.03        0.37709
         464467.31    3809911.03        0.36106                   464505.31
3809911.03        0.34634
         463745.31    3809940.09        1.19043                   463783.31
3809940.09        1.07838
         463821.31    3809940.09        0.98872                   463859.31
3809940.09        0.90940
         463897.31    3809940.09        0.84294                   463935.31
3809940.09        0.78494
         463973.31    3809940.09        0.73781                   464011.31
3809940.09        0.69551
         464049.31    3809940.09        0.66226                   464087.31
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3809940.09   0.62994
         464125.31   3809940.09   0.59878   464163.31
3809940.09   0.56870
         464201.31   3809940.09   0.53385   464239.31
3809940.09   0.50144
         464277.31   3809940.09   0.47391   464315.31
3809940.09   0.44893
         464353.31   3809940.09   0.42593   464391.31
3809940.09   0.40516

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                   INCLUDING SOURCE(S):   L0006729   , L0006730
, L0006731   , L0006732   , L0006733   ,
                 L0006734   , L0006735   , L0006736   , L0006737   , L0006738
, L0006739   , L0006740   , L0006741   ,
                 L0006742   , L0006743   , L0006744   , L0006745   , L0006746
, L0006747   , L0006748   , L0006749   ,
                 L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464429.31   3809940.09   0.38601   464467.31
3809940.09   0.36918
         464505.31   3809940.09   0.35609   463745.31
3809969.15   1.22798
         463783.31   3809969.15   1.10386   463821.31
3809969.15   1.00822
         463859.31   3809969.15   0.92718   463897.31
3809969.15   0.85849
         463935.31   3809969.15   0.79930   463973.31
3809969.15   0.75036
         464011.31   3809969.15   0.70450   464049.31
3809969.15   0.66685

```
         464087.31    3809969.15        0.63524                    464125.31
3809969.15        0.60624
         464163.31    3809969.15        0.57767                    464201.31
3809969.15        0.54683
         464239.31    3809969.15        0.51514                    464277.31
3809969.15        0.48747
         464315.31    3809969.15        0.45857                    464353.31
3809969.15        0.43452
         464391.31    3809969.15        0.41323                    464429.31
3809969.15        0.39406
         464467.31    3809969.15        0.37796                    464505.31
3809969.15        0.36288
         463745.31    3809998.21        1.28192                    463783.31
3809998.21        1.13828
         463821.31    3809998.21        1.03224                    463859.31
3809998.21        0.94620
         463897.31    3809998.21        0.87500                    463935.31
3809998.21        0.81267
         463973.31    3809998.21        0.76173                    464011.31
3809998.21        0.71550
         464049.31    3809998.21        0.67582                    464087.31
3809998.21        0.64247
         464125.31    3809998.21        0.61438                    464163.31
3809998.21        0.58624
         464201.31    3809998.21        0.55894                    464239.31
3809998.21        0.52766
         464277.31    3809998.21        0.49742                    464315.31
3809998.21        0.47137
         464353.31    3809998.21        0.44386                    464391.31
3809998.21        0.42206
         464429.31    3809998.21        0.40244                    464467.31
3809998.21        0.38689
         464505.31    3809998.21        0.37025                    463745.31
3810027.27        1.33791
         463783.31    3810027.27        1.17995                    463821.31
3810027.27        1.06141
         463859.31    3810027.27        0.96828                    463897.31
3810027.27        0.89353
         463935.31    3810027.27        0.82650                    463973.31
3810027.27        0.77405
         464011.31    3810027.27        0.72679                    464049.31
3810027.27        0.68605
         464087.31    3810027.27        0.64985                    464125.31
3810027.27        0.62023
         464163.31    3810027.27        0.59388                    464201.31
3810027.27        0.56709
         464239.31    3810027.27        0.53961                    464277.31
3810027.27        0.50895
         464315.31    3810027.27        0.48047                    464353.31
3810027.27        0.45596
```

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         464391.31    3810027.27        0.43360                       464429.31
3810027.27        0.41295
         464467.31    3810027.27        0.39419                       464505.31
3810027.27        0.37849
         463745.31    3810056.33        1.39282                       463783.31
3810056.33        1.22371
         463821.31    3810056.33        1.09064                       463859.31
3810056.33        0.99177
         463897.31    3810056.33        0.91129                       463935.31
3810056.33        0.84205
         463973.31    3810056.33        0.78684                       464011.31
3810056.33        0.73758
         464049.31    3810056.33        0.69422                       464087.31
3810056.33        0.65741
         464125.31    3810056.33        0.62534                       464163.31
3810056.33        0.59932
         464201.31    3810056.33        0.57327                       464239.31
3810056.33        0.54710
♠ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 280
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                  INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                 L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                 L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                 L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         464277.31    3810056.33        0.52088                       464315.31
3810056.33        0.49173
         464353.31    3810056.33        0.46439                       464391.31
```

3810056.33 0.44124
464429.31 3810056.33 0.42052 464467.31
3810056.33 0.40239
464505.31 3810056.33 0.38553 463745.31
3810085.39 1.43027
463783.31 3810085.39 1.26822 463821.31
3810085.39 1.12315
463859.31 3810085.39 1.01528 463897.31
3810085.39 0.92973
463935.31 3810085.39 0.85859 463973.31
3810085.39 0.79976
464011.31 3810085.39 0.74725 464049.31
3810085.39 0.70046
464087.31 3810085.39 0.66367 464125.31
3810085.39 0.63118
464163.31 3810085.39 0.60356 464201.31
3810085.39 0.57776
464239.31 3810085.39 0.55284 464277.31
3810085.39 0.52747
464315.31 3810085.39 0.50295 464353.31
3810085.39 0.47494
464391.31 3810085.39 0.44968 464429.31
3810085.39 0.42968
464467.31 3810085.39 0.41027 464505.31
3810085.39 0.39449
463745.31 3810114.45 1.44521 463783.31
3810114.45 1.31612
463821.31 3810114.45 1.16047 463859.31
3810114.45 1.04682
463897.31 3810114.45 0.95159 463935.31
3810114.45 0.87571
463973.31 3810114.45 0.81193 464011.31
3810114.45 0.75741
464049.31 3810114.45 0.70850 464087.31
3810114.45 0.66965
464125.31 3810114.45 0.63521 464163.31
3810114.45 0.60604
464201.31 3810114.45 0.58028 464239.31
3810114.45 0.55762
464277.31 3810114.45 0.53334 464315.31
3810114.45 0.50814
464353.31 3810114.45 0.48414 464391.31
3810114.45 0.46134
464429.31 3810114.45 0.44026 464467.31
3810114.45 0.41935
464505.31 3810114.45 0.40051 463745.31
3810143.51 1.45875
463783.31 3810143.51 1.34202 463821.31
3810143.51 1.20718
463859.31 3810143.51 1.08302 463897.31

3810143.51   0.97313
         463935.31   3810143.51   0.88987   463973.31
3810143.51   0.82072
         464011.31   3810143.51   0.76731   464049.31
3810143.51   0.71686
         464087.31   3810143.51   0.67395   464125.31
3810143.51   0.63899
         464163.31   3810143.51   0.60942   464201.31
3810143.51   0.58302
         464239.31   3810143.51   0.55965   464277.31
3810143.51   0.53799
         464315.31   3810143.51   0.51307   464353.31
3810143.51   0.48791
         464391.31   3810143.51   0.46568   464429.31
3810143.51   0.44435
         464467.31   3810143.51   0.42450   464505.31
3810143.51   0.40564
         464383.78   3807479.29   0.03488   464355.03
3807405.24   0.03298
         464402.07   3807352.10   0.03180   464367.23
3807296.35   0.03033
         464358.52   3807237.99   0.02843   464385.52
3807161.33   0.02730
         463132.27   3810926.37   5.16138   463237.82
3811199.31   11.97482
         464944.35   3809244.89   0.13184   465700.32
3809255.46   0.09418

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                   INCLUDING SOURCE(S):   L0006729   , L0006730
, L0006731   , L0006732   , L0006733   ,
                 L0006734   , L0006735   , L0006736   , L0006737   , L0006738
, L0006739   , L0006740   , L0006741   ,
                 L0006742   , L0006743   , L0006744   , L0006745   , L0006746
, L0006747   , L0006748   , L0006749   ,
                 L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465716.18	3808536.49	0.05673	465544.37	3808533.85	0.05884
465420.13	3808486.27	0.06004	465348.77	3808491.56	0.06440
465317.05	3808443.98	0.06110	465327.62	3808406.97	0.05742
465108.23	3808369.97	0.05446	464999.86	3808301.24	0.05421
464722.31	3807973.48	0.04452	464717.03	3807836.03	0.03845
464344.33	3807936.47	0.04738	464349.61	3807780.52	0.05017
464386.62	3807785.81	0.05035	464521.43	3807859.82	0.05183
464537.28	3807719.72	0.04065	464426.27	3807613.99	0.03917
464368.43	3807532.62	0.03694	464324.60	3807121.91	0.02608
464123.31	3807123.54	0.02799	463930.13	3806909.26	0.02656
463831.11	3806906.01	0.02931	463821.36	3806720.95	0.02552
463727.21	3806727.44	0.02744	463598.97	3806334.59	0.02291
463001.06	3806361.54	0.02036			

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                   INCLUDING SOURCE(S):   L0006139   , L0006140 , L0006141   , L0006142   , L0006143   ,
                  L0006144   , L0006145   , L0006146   , L0006147   , L0006148 , L0006149   , L0006150   , L0006151   ,
                  L0006152   , L0006153   , L0006154   , L0006155   , L0006156 , L0006157   , L0006158   , L0006159   ,
                  L0006160   , L0006161   , L0006162   , L0006163   , L0006164 , L0006165   , L0006166   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
462160.55	3809377.75	0.38303	462051.48	3809270.62	0.36538
462014.47	3809029.10	0.37708	462010.58	3808855.75	0.38936
461936.56	3808886.92	0.35965	461936.56	3808997.94	0.35321
461909.30	3808768.10	0.35511	461835.28	3808894.71	0.32479
461845.02	3808995.99	0.32403	461833.33	3809114.80	0.31472
461843.07	3809210.24	0.31249	461809.96	3809297.89	0.29901
461856.71	3809385.54	0.30456	461841.13	3809482.92	0.29384
462004.74	3809379.69	0.34150	461763.22	3808793.43	0.30422
461753.48	3808699.93	0.30099	461835.28	3808686.30	0.32506
461823.60	3808579.17	0.31564	461761.27	3808585.02	0.29368
462301.19	3807807.15	0.55091	462304.78	3807868.16	0.55888
462216.84	3807882.52	0.47650	462116.34	3807886.11	0.40130
462114.55	3807789.20	0.38193	462012.25	3807887.90	0.33597
462008.66	3807975.84	0.34683	461917.14	3807972.25	0.29876
461922.52	3808187.60	0.32603	461908.17	3808288.10	0.32677
461848.94	3808377.83	0.31016	461831.00	3808494.48	0.31530
462421.43	3808393.98	0.69265	462459.11	3808501.66	0.70778
462437.58	3808580.62	0.67108	462654.73	3809189.00	0.58977
462559.49	3809194.32	0.55424	465763.86	3807935.19	0.15374
465819.84	3807935.19	0.14818	465875.82		

3807935.19 0.14289
465931.80 3807935.19 0.13792 465987.78
3807935.19 0.13319
466043.76 3807935.19 0.12870 466099.74
3807935.19 0.12443
466155.72 3807935.19 0.12038 466211.70
3807935.19 0.11652
466267.68 3807935.19 0.11286 466323.66
3807935.19 0.10930
466379.64 3807935.19 0.10599 466435.62
3807935.19 0.10283
466491.60 3807935.19 0.09981 466547.58
3807935.19 0.09676
466603.56 3807935.19 0.09399 466659.54
3807935.19 0.09133
466715.52 3807935.19 0.08880 466771.50
3807935.19 0.08635
466827.48 3807935.19 0.08395 466883.46
3807935.19 0.08170
465763.86 3808001.41 0.15445 465819.84
3808001.41 0.14891
465875.82 3808001.41 0.14363 465931.80
3808001.41 0.13862
465987.78 3808001.41 0.13399 466043.76
3808001.41 0.12938
466099.74 3808001.41 0.12529 466155.72
3808001.41 0.12123
466211.70 3808001.41 0.11738 466267.68
3808001.41 0.11370
466323.66 3808001.41 0.11017 466379.64
3808001.41 0.10681
466435.62 3808001.41 0.10360 466491.60
3808001.41 0.10053
466547.58 3808001.41 0.09755 466603.56
3808001.41 0.09478
466659.54 3808001.41 0.09212 466715.52
3808001.41 0.08941
466771.50 3808001.41 0.08698 466827.48
3808001.41 0.08464
466883.46 3808001.41 0.08233 465763.86
3808067.63 0.15490

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140
, L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148
, L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156
, L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164
, L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465819.84	3808067.63	0.14935	465875.82	3808067.63	0.14413
465931.80	3808067.63	0.13917	465987.78	3808067.63	0.13447
466043.76	3808067.63	0.13001	466099.74	3808067.63	0.12576
466155.72	3808067.63	0.12173	466211.70	3808067.63	0.11787
466267.68	3808067.63	0.11420	466323.66	3808067.63	0.11067
466379.64	3808067.63	0.10731	466435.62	3808067.63	0.10420
466491.60	3808067.63	0.10102	466547.58	3808067.63	0.09809
466603.56	3808067.63	0.09528	466659.54	3808067.63	0.09260
466715.52	3808067.63	0.09005	466771.50	3808067.63	0.08761
466827.48	3808067.63	0.08520	466883.46	3808067.63	0.08285
465763.86	3808133.85	0.15498	465819.84	3808133.85	0.14948
465875.82	3808133.85	0.14429	465931.80	3808133.85	0.13937
465987.78	3808133.85	0.13488	466043.76	3808133.85	0.13040
466099.74	3808133.85	0.12614	466155.72	3808133.85	0.12209
466211.70	3808133.85	0.11822	466267.68	3808133.85	0.11455

466323.66 3808133.85 0.11106 466379.64
3808133.85 0.10774
466435.62 3808133.85 0.10456 466491.60
3808133.85 0.10153
466547.58 3808133.85 0.09857 466603.56
3808133.85 0.09579
466659.54 3808133.85 0.09312 466715.52
3808133.85 0.09055
466771.50 3808133.85 0.08797 466827.48
3808133.85 0.08563
466883.46 3808133.85 0.08336 465763.86
3808200.07 0.15473
465819.84 3808200.07 0.14931 465875.82
3808200.07 0.14417
465931.80 3808200.07 0.13948 465987.78
3808200.07 0.13483
466043.76 3808200.07 0.13041 466099.74
3808200.07 0.12619
466155.72 3808200.07 0.12218 466211.70
3808200.07 0.11835
466267.68 3808200.07 0.11470 466323.66
3808200.07 0.11136
466379.64 3808200.07 0.10803 466435.62
3808200.07 0.10484
466491.60 3808200.07 0.10180 466547.58
3808200.07 0.09888
466603.56 3808200.07 0.09609 466659.54
3808200.07 0.09342
466715.52 3808200.07 0.09086 466771.50
3808200.07 0.08837
466827.48 3808200.07 0.08595 466883.46
3808200.07 0.08369
465763.86 3808266.29 0.15390 465819.84
3808266.29 0.14883
465875.82 3808266.29 0.14391 465931.80
3808266.29 0.13911
465987.78 3808266.29 0.13453 466043.76
3808266.29 0.13018
466099.74 3808266.29 0.12603 466155.72
3808266.29 0.12207
466211.70 3808266.29 0.11830 466267.68
3808266.29 0.11478
466323.66 3808266.29 0.11133 466379.64
3808266.29 0.10815
466435.62 3808266.29 0.10501 466491.60
3808266.29 0.10192
466547.58 3808266.29 0.09901 466603.56
3808266.29 0.09622
466659.54 3808266.29 0.09362 466715.52
3808266.29 0.09101

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                    INCLUDING SOURCE(S):   L0006139   , L0006140 , L0006141   , L0006142   , L0006143   ,
                 L0006144   , L0006145   , L0006146   , L0006147   , L0006148 , L0006149   , L0006150   , L0006151   ,
                 L0006152   , L0006153   , L0006154   , L0006155   , L0006156 , L0006157   , L0006158   , L0006159   ,
                 L0006160   , L0006161   , L0006162   , L0006163   , L0006164 , L0006165   , L0006166   , . . .   ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                                ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3808332.51 0.08865
466827.48 3808332.51 0.08632 466883.46
3808332.51 0.08408
465763.86 3808398.73 0.15165 465819.84
3808398.73 0.14694
465875.82 3808398.73 0.14214 465931.80
3808398.73 0.13758
465987.78 3808398.73 0.13320 466043.76
3808398.73 0.12903
466099.74 3808398.73 0.12515 466155.72
3808398.73 0.12130
466211.70 3808398.73 0.11762 466267.68
3808398.73 0.11436
466323.66 3808398.73 0.11097 466379.64
3808398.73 0.10775
466435.62 3808398.73 0.10476 466491.60
3808398.73 0.10181
466547.58 3808398.73 0.09898 466603.56
3808398.73 0.09628
466659.54 3808398.73 0.09368 466715.52
3808398.73 0.09113
466771.50 3808398.73 0.08872 466827.48
3808398.73 0.08638
466883.46 3808398.73 0.08414 465763.86
3808464.95 0.15014
465819.84 3808464.95 0.14550 465875.82
3808464.95 0.14080
465931.80 3808464.95 0.13639 465987.78
3808464.95 0.13219
466043.76 3808464.95 0.12827 466099.74
3808464.95 0.12435
466155.72 3808464.95 0.12059 466211.70
3808464.95 0.11700
466267.68 3808464.95 0.11375 466323.66
3808464.95 0.11044
466379.64 3808464.95 0.10739 466435.62
3808464.95 0.10436
466491.60 3808464.95 0.10156 466547.58
3808464.95 0.09875
466603.56 3808464.95 0.09605 466659.54
3808464.95 0.09347
466715.52 3808464.95 0.09099 466771.50
3808464.95 0.08861
466827.48 3808464.95 0.08632 466883.46
3808464.95 0.08411
465763.86 3808531.17 0.14853 465819.84
3808531.17 0.14379
465875.82 3808531.17 0.13926 465931.80
3808531.17 0.13493
465987.78 3808531.17 0.13096 466043.76

3808531.17 0.12707
 466099.74 3808531.17 0.12335 466155.72
3808531.17 0.11970
 466211.70 3808531.17 0.11621 466267.68
3808531.17 0.11298
 466323.66 3808531.17 0.10987 466379.64
3808531.17 0.10679
 466435.62 3808531.17 0.10394 466491.60
3808531.17 0.10108

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466547.58	3808531.17	0.09833	466603.56	3808531.17	0.09569
466659.54	3808531.17	0.09314	466715.52	3808531.17	0.09071
466771.50	3808531.17	0.08834	466827.48	3808531.17	0.08612
466883.46	3808531.17	0.08395	465763.86	3808597.39	0.14642
465819.84	3808597.39	0.14212	465875.82	3808597.39	0.13773
465931.80	3808597.39	0.13333	465987.78	3808597.39	0.12948

```
         466043.76    3808597.39        0.12584                    466099.74
3808597.39        0.12216
         466155.72    3808597.39        0.11866                    466211.70
3808597.39        0.11532
         466267.68    3808597.39        0.11205                    466323.66
3808597.39        0.10907
         466379.64    3808597.39        0.10617                    466435.62
3808597.39        0.10327
         466491.60    3808597.39        0.10054                    466547.58
3808597.39        0.09788
         466603.56    3808597.39        0.09528                    466659.54
3808597.39        0.09278
         466715.52    3808597.39        0.09038                    466771.50
3808597.39        0.08807
         466827.48    3808597.39        0.08584                    466883.46
3808597.39        0.08376
         465763.86    3808663.61        0.14408                    465819.84
3808663.61        0.14004
         465875.82    3808663.61        0.13586                    465931.80
3808663.61        0.13186
         465987.78    3808663.61        0.12803                    466043.76
3808663.61        0.12434
         466099.74    3808663.61        0.12089                    466155.72
3808663.61        0.11746
         466211.70    3808663.61        0.11414                    466267.68
3808663.61        0.11098
         466323.66    3808663.61        0.10814                    466379.64
3808663.61        0.10520
         466435.62    3808663.61        0.10258                    466491.60
3808663.61        0.09985
         466547.58    3808663.61        0.09720                    466603.56
3808663.61        0.09466
         466659.54    3808663.61        0.09220                    466715.52
3808663.61        0.08986
         466771.50    3808663.61        0.08760                    466827.48
3808663.61        0.08553
         466883.46    3808663.61        0.08341                    465763.86
3808729.83        0.14194
         465819.84    3808729.83        0.13814                    465875.82
3808729.83        0.13412
         465931.80    3808729.83        0.13018                    465987.78
3808729.83        0.12641
         466043.76    3808729.83        0.12282                    466099.74
3808729.83        0.11937
         466155.72    3808729.83        0.11605                    466211.70
3808729.83        0.11285
         466267.68    3808729.83        0.10978                    466323.66
3808729.83        0.10704
         466379.64    3808729.83        0.10428                    466435.62
3808729.83        0.10154
```

```
         466491.60    3808729.83        0.09900                      466547.58
3808729.83        0.09643
         466603.56    3808729.83        0.09395                      466659.54
3808729.83        0.09174
         466715.52    3808729.83        0.08943                      466771.50
3808729.83        0.08721
         466827.48    3808729.83        0.08512                      466883.46
3808729.83        0.08305
         465763.86    3808796.05        0.13922                      465819.84
3808796.05        0.13594
         465875.82    3808796.05        0.13185                      465931.80
3808796.05        0.12817
         465987.78    3808796.05        0.12458                      466043.76
3808796.05        0.12116
         466099.74    3808796.05        0.11786                      466155.72
3808796.05        0.11469
         466211.70    3808796.05        0.11162                      466267.68
3808796.05        0.10866
♠ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 286
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                    INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                 L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                 L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                 L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         466323.66    3808796.05        0.10587                      466379.64
3808796.05        0.10316
         466435.62    3808796.05        0.10063                      466491.60
```

3808796.05 0.09804
466547.58 3808796.05 0.09557 466603.56
3808796.05 0.09329
466659.54 3808796.05 0.09097 466715.52
3808796.05 0.08878
466771.50 3808796.05 0.08663 466827.48
3808796.05 0.08454
466883.46 3808796.05 0.08261 465763.86
3808862.27 0.13596
465819.84 3808862.27 0.13268 465875.82
3808862.27 0.12939
465931.80 3808862.27 0.12587 465987.78
3808862.27 0.12247
466043.76 3808862.27 0.11919 466099.74
3808862.27 0.11614
466155.72 3808862.27 0.11298 466211.70
3808862.27 0.11003
466267.68 3808862.27 0.10732 466323.66
3808862.27 0.10458
466379.64 3808862.27 0.10200 466435.62
3808862.27 0.09947
466491.60 3808862.27 0.09704 466547.58
3808862.27 0.09469
466603.56 3808862.27 0.09236 466659.54
3808862.27 0.09022
466715.52 3808862.27 0.08804 466771.50
3808862.27 0.08596
466827.48 3808862.27 0.08397 466883.46
3808862.27 0.08204
465763.86 3808928.49 0.13220 465819.84
3808928.49 0.12908
465875.82 3808928.49 0.12620 465931.80
3808928.49 0.12321
465987.78 3808928.49 0.12023 466043.76
3808928.49 0.11737
466099.74 3808928.49 0.11422 466155.72
3808928.49 0.11132
466211.70 3808928.49 0.10852 466267.68
3808928.49 0.10579
466323.66 3808928.49 0.10314 466379.64
3808928.49 0.10058
466435.62 3808928.49 0.09822 466491.60
3808928.49 0.09590
466547.58 3808928.49 0.09360 466603.56
3808928.49 0.09149
466659.54 3808928.49 0.08932 466715.52
3808928.49 0.08726
466771.50 3808928.49 0.08522 466827.48
3808928.49 0.08332
466883.46 3808928.49 0.08140 465763.86

3808994.71   0.12942
         465819.84   3808994.71   0.12610   465875.82
3808994.71   0.12318
         465931.80   3808994.71   0.12057   465987.78
3808994.71   0.11808
         466043.76   3808994.71   0.11521   466099.74
3808994.71   0.11231
         466155.72   3808994.71   0.10944   466211.70
3808994.71   0.10678
         466267.68   3808994.71   0.10418   466323.66
3808994.71   0.10167
         466379.64   3808994.71   0.09923   466435.62
3808994.71   0.09687
         466491.60   3808994.71   0.09467   466547.58
3808994.71   0.09258
         466603.56   3808994.71   0.09045   466659.54
3808994.71   0.08834
         466715.52   3808994.71   0.08647   466771.50
3808994.71   0.08447
         466827.48   3808994.71   0.08253   466883.46
3808994.71   0.08075
         465763.86   3809060.93   0.12679   465819.84
3809060.93   0.12362
         465875.82   3809060.93   0.12079   465931.80
3809060.93   0.11810
         465987.78   3809060.93   0.11548   466043.76
3809060.93   0.11292

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                  INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466099.74	3809060.93	0.11006	466155.72	3809060.93	0.10747
466211.70	3809060.93	0.10488	466267.68	3809060.93	0.10244
466323.66	3809060.93	0.10004	466379.64	3809060.93	0.09771
466435.62	3809060.93	0.09558	466491.60	3809060.93	0.09347
466547.58	3809060.93	0.09133	466603.56	3809060.93	0.08931
466659.54	3809060.93	0.08743	466715.52	3809060.93	0.08545
466771.50	3809060.93	0.08354	466827.48	3809060.93	0.08173
466883.46	3809060.93	0.07999	465763.86	3809127.15	0.12437
465819.84	3809127.15	0.12142	465875.82	3809127.15	0.11866
465931.80	3809127.15	0.11590	465987.78	3809127.15	0.11324
466043.76	3809127.15	0.11036	466099.74	3809127.15	0.10760
466155.72	3809127.15	0.10508	466211.70	3809127.15	0.10299
466267.68	3809127.15	0.10078	466323.66	3809127.15	0.09854
466379.64	3809127.15	0.09628	466435.62	3809127.15	0.09416
466491.60	3809127.15	0.09210	466547.58	3809127.15	0.09011
466603.56	3809127.15	0.08820	466659.54	3809127.15	0.08625
466715.52	3809127.15	0.08441	466771.50	3809127.15	0.08260
466827.48	3809127.15	0.08081	466883.46	3809127.15	0.07916
465763.86	3809193.37	0.12155	465819.84	3809193.37	0.11897
465875.82	3809193.37	0.11628	465931.80	3809193.37	0.11359
465987.78	3809193.37	0.11071	466043.76	3809193.37	0.10754
466099.74	3809193.37	0.10526	466155.72	3809193.37	0.10291

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         466211.70    3809193.37        0.10085                        466267.68
3809193.37        0.09883
         466323.66    3809193.37        0.09679                        466379.64
3809193.37        0.09476
         466435.62    3809193.37        0.09269                        466491.60
3809193.37        0.09071
         466547.58    3809193.37        0.08880                        466603.56
3809193.37        0.08699
         466659.54    3809193.37        0.08511                        466715.52
3809193.37        0.08338
         466771.50    3809193.37        0.08160                        466827.48
3809193.37        0.07993
         466883.46    3809193.37        0.07827                        465763.86
3809259.59        0.11844
         465819.84    3809259.59        0.11593                        465875.82
3809259.59        0.11333
         465931.80    3809259.59        0.11081                        465987.78
3809259.59        0.10804
         466043.76    3809259.59        0.10536                        466099.74
3809259.59        0.10288
         466155.72    3809259.59        0.10088                        466211.70
3809259.59        0.09893
         466267.68    3809259.59        0.09703                        466323.66
3809259.59        0.09494
         466379.64    3809259.59        0.09300                        466435.62
3809259.59        0.09112
         466491.60    3809259.59        0.08921                        466547.58
3809259.59        0.08745
         466603.56    3809259.59        0.08564                        466659.54
3809259.59        0.08389
         466715.52    3809259.59        0.08227                        466771.50
3809259.59        0.08056
         466827.48    3809259.59        0.07895                        466883.46
3809259.59        0.07735
         464503.41    3807141.91        0.36572                        464523.41
3807141.91        0.35822
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 288
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                    INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                 L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
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                L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         464543.41    3807141.91        0.35073                       464563.41
3807141.91        0.34317
         464583.41    3807141.91        0.33635                       464603.41
3807141.91        0.32986
         464623.41    3807141.91        0.32392                       464643.41
3807141.91        0.31764
         464663.41    3807141.91        0.31258                       464683.41
3807141.91        0.30649
         464703.41    3807141.91        0.30004                       464723.41
3807141.91        0.29405
         464743.41    3807141.91        0.28836                       464763.41
3807141.91        0.28276
         464783.41    3807141.91        0.27738                       464803.41
3807141.91        0.27213
         464823.41    3807141.91        0.26675                       464843.41
3807141.91        0.26175
         464863.41    3807141.91        0.25699                       464883.41
3807141.91        0.25230
         464903.41    3807141.91        0.24758                       464923.41
3807141.91        0.24295
         464503.41    3807161.91        0.36966                       464523.41
3807161.91        0.36205
         464543.41    3807161.91        0.35445                       464563.41
3807161.91        0.34678
         464583.41    3807161.91        0.33986                       464603.41
3807161.91        0.33411
         464623.41    3807161.91        0.32786                       464643.41
3807161.91        0.32109
         464663.41    3807161.91        0.31579                       464683.41
3807161.91        0.30908
         464703.41    3807161.91        0.30289                       464723.41
3807161.91        0.29693
         464743.41    3807161.91        0.29110                       464763.41
3807161.91        0.28511
         464783.41    3807161.91        0.27958                       464803.41
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3807161.91        0.27432
         464823.41    3807161.91        0.26916                      464843.41
3807161.91        0.26420
         464863.41    3807161.91        0.25932                      464883.41
3807161.91        0.25430
         464903.41    3807161.91        0.24961                      464923.41
3807161.91        0.24511
         464503.41    3807181.91        0.37380                      464523.41
3807181.91        0.36579
         464543.41    3807181.91        0.35804                      464563.41
3807181.91        0.35089
         464583.41    3807181.91        0.34362                      464603.41
3807181.91        0.33745
         464623.41    3807181.91        0.33235                      464643.41
3807181.91        0.32551
         464663.41    3807181.91        0.31885                      464683.41
3807181.91        0.31200
         464703.41    3807181.91        0.30579                      464723.41
3807181.91        0.29960
         464743.41    3807181.91        0.29352                      464763.41
3807181.91        0.28764
         464783.41    3807181.91        0.28210                      464803.41
3807181.91        0.27675
         464823.41    3807181.91        0.27135                      464843.41
3807181.91        0.26627
         464863.41    3807181.91        0.26138                      464883.41
3807181.91        0.25646
         464903.41    3807181.91        0.25166                      464923.41
3807181.91        0.24701
         464503.41    3807201.91        0.37828                      464523.41
3807201.91        0.36987
         464543.41    3807201.91        0.36196                      464563.41
3807201.91        0.35459
         464583.41    3807201.91        0.34763                      464603.41
3807201.91        0.34106
         464623.41    3807201.91        0.33559                      464643.41
3807201.91        0.32855
         464663.41    3807201.91        0.32182                      464683.41
3807201.91        0.31496
         464703.41    3807201.91        0.30857                      464723.41
3807201.91        0.30217
         464743.41    3807201.91        0.29594                      464763.41
3807201.91        0.29024
         464783.41    3807201.91        0.28463                      464803.41
3807201.91        0.27911
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***

INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 , L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 , L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 , L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464823.41	3807201.91	0.27353	464843.41	3807201.91	0.26829
464863.41	3807201.91	0.26331	464883.41	3807201.91	0.25854
464903.41	3807201.91	0.25368	464923.41	3807201.91	0.24890
464503.41	3807221.91	0.38208	464523.41	3807221.91	0.37357
464543.41	3807221.91	0.36554	464563.41	3807221.91	0.35839
464583.41	3807221.91	0.35208	464603.41	3807221.91	0.34478
464623.41	3807221.91	0.33873	464643.41	3807221.91	0.33154
464663.41	3807221.91	0.32454	464683.41	3807221.91	0.31784
464703.41	3807221.91	0.31101	464723.41	3807221.91	0.30466
464743.41	3807221.91	0.29865	464763.41	3807221.91	0.29287
464783.41	3807221.91	0.28698	464803.41	3807221.91	0.28119
464823.41	3807221.91	0.27586	464843.41	3807221.91	0.27045
464863.41	3807221.91	0.26517	464883.41	3807221.91	0.26036

```
         464903.41    3807221.91        0.25564                    464923.41
3807221.91        0.25098
         464503.41    3807241.91        0.38581                    464523.41
3807241.91        0.37742
         464543.41    3807241.91        0.36932                    464563.41
3807241.91        0.36182
         464583.41    3807241.91        0.35535                    464603.41
3807241.91        0.34932
         464623.41    3807241.91        0.34188                    464643.41
3807241.91        0.33453
         464663.41    3807241.91        0.32727                    464683.41
3807241.91        0.32034
         464703.41    3807241.91        0.31365                    464723.41
3807241.91        0.30735
         464743.41    3807241.91        0.30127                    464763.41
3807241.91        0.29516
         464783.41    3807241.91        0.28925                    464803.41
3807241.91        0.28352
         464823.41    3807241.91        0.27795                    464843.41
3807241.91        0.27255
         464863.41    3807241.91        0.26736                    464883.41
3807241.91        0.26249
         464903.41    3807241.91        0.25761                    464923.41
3807241.91        0.25279
         464503.41    3807261.91        0.38947                    464523.41
3807261.91        0.38122
         464543.41    3807261.91        0.37305                    464563.41
3807261.91        0.36520
         464583.41    3807261.91        0.35864                    464603.41
3807261.91        0.35244
         464623.41    3807261.91        0.34517                    464643.41
3807261.91        0.33752
         464663.41    3807261.91        0.33003                    464683.41
3807261.91        0.32284
         464703.41    3807261.91        0.31635                    464723.41
3807261.91        0.30999
         464743.41    3807261.91        0.30373                    464763.41
3807261.91        0.29741
         464783.41    3807261.91        0.29148                    464803.41
3807261.91        0.28579
         464823.41    3807261.91        0.28002                    464843.41
3807261.91        0.27461
         464863.41    3807261.91        0.26947                    464883.41
3807261.91        0.26455
         464903.41    3807261.91        0.25947                    464923.41
3807261.91        0.25447
         464503.41    3807281.91        0.39310                    464523.41
3807281.91        0.38474
         464543.41    3807281.91        0.37647                    464563.41
3807281.91        0.36852
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                    INCLUDING SOURCE(S):   L0006139   , L0006140   , L0006141   , L0006142   , L0006143   ,
                   L0006144   , L0006145   , L0006146   , L0006147   , L0006148   , L0006149   , L0006150   , L0006151   ,
                   L0006152   , L0006153   , L0006154   , L0006155   , L0006156   , L0006157   , L0006158   , L0006159   ,
                   L0006160   , L0006161   , L0006162   , L0006163   , L0006164   , L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3807301.91 0.37293
464583.41 3807301.91 0.36532 464603.41
3807301.91 0.35870
464623.41 3807301.91 0.35060 464643.41
3807301.91 0.34326
464663.41 3807301.91 0.33576 464683.41
3807301.91 0.32842
464703.41 3807301.91 0.32178 464723.41
3807301.91 0.31498
464743.41 3807301.91 0.30826 464763.41
3807301.91 0.30195
464783.41 3807301.91 0.29586 464803.41
3807301.91 0.29000
464823.41 3807301.91 0.28452 464843.41
3807301.91 0.27886
464863.41 3807301.91 0.27325 464883.41
3807301.91 0.26800
464903.41 3807301.91 0.26291 464923.41
3807301.91 0.25802
464503.41 3807321.91 0.40088 464523.41
3807321.91 0.39184
464543.41 3807321.91 0.38432 464563.41
3807321.91 0.37797
464583.41 3807321.91 0.36975 464603.41
3807321.91 0.36173
464623.41 3807321.91 0.35355 464643.41
3807321.91 0.34613
464663.41 3807321.91 0.33855 464683.41
3807321.91 0.33112
464703.41 3807321.91 0.32430 464723.41
3807321.91 0.31746
464743.41 3807321.91 0.31072 464763.41
3807321.91 0.30409
464783.41 3807321.91 0.29803 464803.41
3807321.91 0.29231
464823.41 3807321.91 0.28667 464843.41
3807321.91 0.28092
464863.41 3807321.91 0.27524 464883.41
3807321.91 0.26980
464903.41 3807321.91 0.26478 464923.41
3807321.91 0.26001
464503.41 3807341.91 0.40428 464523.41
3807341.91 0.39514
464543.41 3807341.91 0.38754 464563.41
3807341.91 0.38111
464583.41 3807341.91 0.37280 464603.41
3807341.91 0.36471
464623.41 3807341.91 0.35644 464643.41
3807341.91 0.34894
464663.41 3807341.91 0.34129 464683.41

3807341.91   0.33371
         464703.41   3807341.91   0.32644   464723.41
3807341.91   0.31968
         464743.41   3807341.91   0.31318   464763.41
3807341.91   0.30649
         464783.41   3807341.91   0.30037   464803.41
3807341.91   0.29453
         464823.41   3807341.91   0.28849   464843.41
3807341.91   0.28259
         464863.41   3807341.91   0.27691   464883.41
3807341.91   0.27176
         464903.41   3807341.91   0.26680   464923.41
3807341.91   0.26193

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                 INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                  L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                  L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                  L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464503.41   3807361.91   0.40797   464523.41
3807361.91   0.39965
         464543.41   3807361.91   0.39122   464563.41
3807361.91   0.38418
         464583.41   3807361.91   0.37579   464603.41
3807361.91   0.36761
         464623.41   3807361.91   0.35921   464643.41
3807361.91   0.35132

```
         464663.41    3807361.91        0.34371                    464683.41
3807361.91        0.33632
         464703.41    3807361.91        0.32889                    464723.41
3807361.91        0.32189
         464743.41    3807361.91        0.31520                    464763.41
3807361.91        0.30874
         464783.41    3807361.91        0.30247                    464803.41
3807361.91        0.29633
         464823.41    3807361.91        0.29017                    464843.41
3807361.91        0.28438
         464863.41    3807361.91        0.27889                    464883.41
3807361.91        0.27377
         464903.41    3807361.91        0.26861                    464923.41
3807361.91        0.26352
         464503.41    3807381.91        0.41224                    464523.41
3807381.91        0.40326
         464543.41    3807381.91        0.39594                    464563.41
3807381.91        0.38716
         464583.41    3807381.91        0.37857                    464603.41
3807381.91        0.37035
         464623.41    3807381.91        0.36192                    464643.41
3807381.91        0.35367
         464663.41    3807381.91        0.34601                    464683.41
3807381.91        0.33871
         464703.41    3807381.91        0.33134                    464723.41
3807381.91        0.32412
         464743.41    3807381.91        0.31718                    464763.41
3807381.91        0.31084
         464783.41    3807381.91        0.30445                    464803.41
3807381.91        0.29814
         464823.41    3807381.91        0.29193                    464843.41
3807381.91        0.28626
         464863.41    3807381.91        0.28092                    464883.41
3807381.91        0.27565
         464903.41    3807381.91        0.27032                    464923.41
3807381.91        0.26511
         464503.41    3807401.91        0.41612                    464523.41
3807401.91        0.40659
         464543.41    3807401.91        0.39894                    464563.41
3807401.91        0.39000
         464583.41    3807401.91        0.38125                    464603.41
3807401.91        0.37276
         464623.41    3807401.91        0.36462                    464643.41
3807401.91        0.35629
         464663.41    3807401.91        0.34829                    464683.41
3807401.91        0.34066
         464703.41    3807401.91        0.33364                    464723.41
3807401.91        0.32649
         464743.41    3807401.91        0.31942                    464763.41
3807401.91        0.31263
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         464783.41    3807401.91        0.30634                      464803.41
3807401.91        0.30029
         464823.41    3807401.91        0.29402                      464843.41
3807401.91        0.28831
         464863.41    3807401.91        0.28286                      464883.41
3807401.91        0.27720
         464903.41    3807401.91        0.27196                      464923.41
3807401.91        0.26692
         464503.41    3807421.91        0.42066                      464523.41
3807421.91        0.41109
         464543.41    3807421.91        0.40161                      464563.41
3807421.91        0.39272
         464583.41    3807421.91        0.38379                      464603.41
3807421.91        0.37514
         464623.41    3807421.91        0.36679                      464643.41
3807421.91        0.35873
         464663.41    3807421.91        0.35072                      464683.41
3807421.91        0.34292
         464703.41    3807421.91        0.33561                      464723.41
3807421.91        0.32855
         464743.41    3807421.91        0.32167                      464763.41
3807421.91        0.31475
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 292
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                  INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                  L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                  L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                  L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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3807461.91        0.28258
         464903.41    3807461.91        0.27706                        464923.41
3807461.91        0.27163
         464503.41    3807481.91        0.42917                        464523.41
3807481.91        0.41904
         464543.41    3807481.91        0.40910                        464563.41
3807481.91        0.39964
         464583.41    3807481.91        0.39054                        464603.41
3807481.91        0.38172
         464623.41    3807481.91        0.37320                        464643.41
3807481.91        0.36498
         464663.41    3807481.91        0.35702                        464683.41
3807481.91        0.34931
         464703.41    3807481.91        0.34188                        464723.41
3807481.91        0.33446
         464743.41    3807481.91        0.32728                        464763.41
3807481.91        0.32083
         464783.41    3807481.91        0.31417                        464803.41
3807481.91        0.30763
         464823.41    3807481.91        0.30176                        464843.41
3807481.91        0.29569
         464863.41    3807481.91        0.28967                        464883.41
3807481.91        0.28404
         464903.41    3807481.91        0.27859                        464923.41
3807481.91        0.27330
         464503.41    3807501.91        0.43203                        464523.41
3807501.91        0.42142
         464543.41    3807501.91        0.41129                        464563.41
3807501.91        0.40164
         464583.41    3807501.91        0.39269                        464603.41
3807501.91        0.38374
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 293
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                   INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                  L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                  L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                  L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464623.41	3807501.91	0.37505	464643.41	3807501.91	0.36698
464663.41	3807501.91	0.35890	464683.41	3807501.91	0.35104
464703.41	3807501.91	0.34374	464723.41	3807501.91	0.33642
464743.41	3807501.91	0.32928	464763.41	3807501.91	0.32267
464783.41	3807501.91	0.31601	464803.41	3807501.91	0.30951
464823.41	3807501.91	0.30349	464843.41	3807501.91	0.29742
464863.41	3807501.91	0.29141	464883.41	3807501.91	0.28548
464903.41	3807501.91	0.28009	464923.41	3807501.91	0.27494
464503.41	3807521.91	0.43382	464523.41	3807521.91	0.42315
464543.41	3807521.91	0.41331	464563.41	3807521.91	0.40393
464583.41	3807521.91	0.39444	464603.41	3807521.91	0.38562
464623.41	3807521.91	0.37719	464643.41	3807521.91	0.36861
464663.41	3807521.91	0.36066	464683.41	3807521.91	0.35304
464703.41	3807521.91	0.34527	464723.41	3807521.91	0.33806
464743.41	3807521.91	0.33116	464763.41	3807521.91	0.32409
464783.41	3807521.91	0.31755	464803.41	3807521.91	0.31127
464823.41	3807521.91	0.30483	464843.41	3807521.91	0.29887
464863.41	3807521.91	0.29314	464883.41	3807521.91	0.28718
464903.41	3807521.91	0.28175	464923.41	3807521.91	0.27657
464503.41	3807541.91	0.43555	464523.41	3807541.91	0.42525

```
         464543.41    3807541.91        0.41529                        464563.41
3807541.91        0.40568
         464583.41    3807541.91        0.39643                        464603.41
3807541.91        0.38747
         464623.41    3807541.91        0.37881                        464643.41
3807541.91        0.37047
         464663.41    3807541.91        0.36239                        464683.41
3807541.91        0.35456
         464703.41    3807541.91        0.34701                        464723.41
3807541.91        0.33968
         464743.41    3807541.91        0.33259                        464763.41
3807541.91        0.32574
         464783.41    3807541.91        0.31930                        464803.41
3807541.91        0.31304
         464823.41    3807541.91        0.30649                        464843.41
3807541.91        0.30031
         464863.41    3807541.91        0.29442                        464883.41
3807541.91        0.28872
         464903.41    3807541.91        0.28318                        464923.41
3807541.91        0.27779
         464503.41    3807561.91        0.43736                        464523.41
3807561.91        0.42724
         464543.41    3807561.91        0.41715                        464563.41
3807561.91        0.40736
         464583.41    3807561.91        0.39828                        464603.41
3807561.91        0.38921
         464623.41    3807561.91        0.38039                        464643.41
3807561.91        0.37222
         464663.41    3807561.91        0.36402                        464683.41
3807561.91        0.35604
         464703.41    3807561.91        0.34865                        464723.41
3807561.91        0.34122
         464743.41    3807561.91        0.33400                        464763.41
3807561.91        0.32742
         464783.41    3807561.91        0.32096                        464803.41
3807561.91        0.31460
         464823.41    3807561.91        0.30814                        464843.41
3807561.91        0.30178
         464863.41    3807561.91        0.29569                        464883.41
3807561.91        0.29024
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 294
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
```

INCLUDING SOURCE(S): L0006139 , L0006140
, L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148
, L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156
, L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164
, L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464903.41	3807561.91	0.28457	464923.41	3807561.91	0.27897
464503.41	3807581.91	0.43948	464523.41	3807581.91	0.42877
464543.41	3807581.91	0.41884	464563.41	3807581.91	0.40935
464583.41	3807581.91	0.39972	464603.41	3807581.91	0.39079
464623.41	3807581.91	0.38226	464643.41	3807581.91	0.37356
464663.41	3807581.91	0.36551	464683.41	3807581.91	0.35781
464703.41	3807581.91	0.34993	464723.41	3807581.91	0.34263
464743.41	3807581.91	0.33575	464763.41	3807581.91	0.32914
464783.41	3807581.91	0.32237	464803.41	3807581.91	0.31572
464823.41	3807581.91	0.30963	464843.41	3807581.91	0.30338
464863.41	3807581.91	0.29726	464883.41	3807581.91	0.29178
464903.41	3807581.91	0.28609	464923.41	3807581.91	0.28040
464503.41	3807601.91	0.44090	464523.41	3807601.91	0.43005
464543.41	3807601.91	0.42013	464563.41	3807601.91	0.41077
464583.41	3807601.91	0.40141	464603.41	3807601.91	0.39235
464623.41	3807601.91	0.38359	464643.41		

```
3807601.91        0.37516
         464663.41    3807601.91        0.36698                    464683.41
3807601.91        0.35907
         464703.41    3807601.91        0.35144                    464723.41
3807601.91        0.34427
         464743.41    3807601.91        0.33737                    464763.41
3807601.91        0.33040
         464783.41    3807601.91        0.32367                    464803.41
3807601.91        0.31715
         464823.41    3807601.91        0.31080                    464843.41
3807601.91        0.30467
         464863.41    3807601.91        0.29872                    464883.41
3807601.91        0.29292
         464903.41    3807601.91        0.28731                    464923.41
3807601.91        0.28183
         464503.41    3807621.91        0.44206                    464523.41
3807621.91        0.43134
         464543.41    3807621.91        0.42146                    464563.41
3807621.91        0.41211
         464583.41    3807621.91        0.40296                    464603.41
3807621.91        0.39379
         464623.41    3807621.91        0.38487                    464643.41
3807621.91        0.37663
         464663.41    3807621.91        0.36835                    464683.41
3807621.91        0.36030
         464703.41    3807621.91        0.35299                    464723.41
3807621.91        0.34581
         464743.41    3807621.91        0.33875                    464763.41
3807621.91        0.33158
         464783.41    3807621.91        0.32489                    464803.41
3807621.91        0.31846
         464823.41    3807621.91        0.31193                    464843.41
3807621.91        0.30583
         464863.41    3807621.91        0.29997                    464883.41
3807621.91        0.29400
         464903.41    3807621.91        0.28843                    464923.41
3807621.91        0.28307
         464503.41    3807641.91        0.44315                    464523.41
3807641.91        0.43299
         464543.41    3807641.91        0.42326                    464563.41
3807641.91        0.41379
         464583.41    3807641.91        0.40406                    464603.41
3807641.91        0.39506
         464623.41    3807641.91        0.38646                    464643.41
3807641.91        0.37768
         464663.41    3807641.91        0.36956                    464683.41
3807641.91        0.36191
         464703.41    3807641.91        0.35457                    464723.41
3807641.91        0.34706
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                 INCLUDING SOURCE(S):   L0006139   , L0006140 , L0006141   , L0006142   , L0006143   ,
                  L0006144   , L0006145   , L0006146   , L0006147   , L0006148 , L0006149   , L0006150   , L0006151   ,
                  L0006152   , L0006153   , L0006154   , L0006155   , L0006156 , L0006157   , L0006158   , L0006159   ,
                  L0006160   , L0006161   , L0006162   , L0006163   , L0006164 , L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

```
        464743.41    3807661.91        0.34096                    464763.41
3807661.91        0.33394
        464783.41    3807661.91        0.32716                    464803.41
3807661.91        0.32059
        464823.41    3807661.91        0.31420                    464843.41
3807661.91        0.30801
        464863.41    3807661.91        0.30202                    464883.41
3807661.91        0.29618
        464903.41    3807661.91        0.29053                    464923.41
3807661.91        0.28504
        464503.41    3807681.91        0.44470                    464523.41
3807681.91        0.43466
        464543.41    3807681.91        0.42498                    464563.41
3807681.91        0.41563
        464583.41    3807681.91        0.40660                    464603.41
3807681.91        0.39743
        464623.41    3807681.91        0.38846                    464643.41
3807681.91        0.38018
        464663.41    3807681.91        0.37184                    464683.41
3807681.91        0.36373
        464703.41    3807681.91        0.35625                    464723.41
3807681.91        0.34908
        464743.41    3807681.91        0.34210                    464763.41
3807681.91        0.33488
        464783.41    3807681.91        0.32815                    464803.41
3807681.91        0.32169
        464823.41    3807681.91        0.31512                    464843.41
3807681.91        0.30898
        464863.41    3807681.91        0.30309                    464883.41
3807681.91        0.29707
        464903.41    3807681.91        0.29146                    464923.41
3807681.91        0.28607
        464523.41    3807701.91        0.43523                    464543.41
3807701.91        0.42556
        464563.41    3807701.91        0.41622                    464583.41
3807701.91        0.40720
        464603.41    3807701.91        0.39839                    464623.41
3807701.91        0.38976
        464643.41    3807701.91        0.38093                    464663.41
3807701.91        0.37278
        464683.41    3807701.91        0.36499                    464703.41
3807701.91        0.35699
        464723.41    3807701.91        0.34969                    464743.41
3807701.91        0.34278
        464763.41    3807701.91        0.33601                    464783.41
3807701.91        0.32912
        464803.41    3807701.91        0.32237                    464823.41
3807701.91        0.31621
        464843.41    3807701.91        0.30992                    464863.41
3807701.91        0.30375
```

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                  INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                 L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                 L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                 L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        464643.41   3807721.91   0.38209   464663.41
3807721.91   0.37369
        464683.41   3807721.91   0.36570   464703.41
3807721.91   0.35799
        464723.41   3807721.91   0.35076   464743.41
3807721.91   0.34381
        464763.41   3807721.91   0.33676   464783.41
3807721.91   0.32996
        464803.41   3807721.91   0.32337   464823.41
3807721.91   0.31695
        464843.41   3807721.91   0.31074   464863.41
3807721.91   0.30473
        464883.41   3807721.91   0.29886   464903.41

3807721.91 0.29318
464923.41 3807721.91 0.28767 464943.41
3807721.91 0.28229
464963.41 3807721.91 0.27708 464983.41
3807721.91 0.27202
465003.41 3807721.91 0.26708 465023.41
3807721.91 0.26229
465043.41 3807721.91 0.25763 465063.41
3807721.91 0.25308
465083.41 3807721.91 0.24866 465103.41
3807721.91 0.24441
465123.41 3807721.91 0.24045 465143.41
3807721.91 0.23643
465163.41 3807721.91 0.23247 465183.41
3807721.91 0.22880
465203.41 3807721.91 0.22509 465223.41
3807721.91 0.22140
465243.41 3807721.91 0.21778 465263.41
3807721.91 0.21426
465283.41 3807721.91 0.21087 465303.41
3807721.91 0.20771
465323.41 3807721.91 0.20449 465343.41
3807721.91 0.20132
465363.41 3807721.91 0.19838 465383.41
3807721.91 0.19539
464543.41 3807741.91 0.42647 464563.41
3807741.91 0.41811
464583.41 3807741.91 0.40925 464603.41
3807741.91 0.40057
464623.41 3807741.91 0.39199 464643.41
3807741.91 0.38304
464663.41 3807741.91 0.37448 464683.41
3807741.91 0.36638
464703.41 3807741.91 0.35903 464723.41
3807741.91 0.35181
464743.41 3807741.91 0.34469 464763.41
3807741.91 0.33746
464783.41 3807741.91 0.33071 464803.41
3807741.91 0.32424
464823.41 3807741.91 0.31764 464843.41
3807741.91 0.31158
464863.41 3807741.91 0.30575 464883.41
3807741.91 0.29958
464903.41 3807741.91 0.29400 464923.41
3807741.91 0.28867
464943.41 3807741.91 0.28300 464963.41
3807741.91 0.27788
464983.41 3807741.91 0.27299 465003.41
3807741.91 0.26778
465023.41 3807741.91 0.26300 465043.41

```
3807741.91        0.25843
         465063.41    3807741.91        0.25373                       465083.41
3807741.91        0.24942
         465103.41    3807741.91        0.24534                       465123.41
3807741.91        0.24128
         465143.41    3807741.91        0.23713                       465163.41
3807741.91        0.23305
         465183.41    3807741.91        0.22929                       465203.41
3807741.91        0.22568
         465223.41    3807741.91        0.22213                       465243.41
3807741.91        0.21839
         465263.41    3807741.91        0.21496                       465283.41
3807741.91        0.21171
         465303.41    3807741.91        0.20846                       465323.41
3807741.91        0.20514
         465343.41    3807741.91        0.20186                       465363.41
3807741.91        0.19885
```

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                  INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                   L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                   L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                   L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465383.41    3807741.91        0.19594                       464543.41
3807761.91        0.42510
         464563.41    3807761.91        0.41749                       464583.41
3807761.91        0.40930
```

```
         464603.41    3807761.91        0.40084                    464623.41
3807761.91        0.39227
         464643.41    3807761.91        0.38331                    464663.41
3807761.91        0.37512
         464683.41    3807761.91        0.36745                    464703.41
3807761.91        0.36009
         464723.41    3807761.91        0.35253                    464743.41
3807761.91        0.34511
         464763.41    3807761.91        0.33834                    464783.41
3807761.91        0.33144
         464803.41    3807761.91        0.32467                    464823.41
3807761.91        0.31851
         464843.41    3807761.91        0.31258                    464863.41
3807761.91        0.30675
         464883.41    3807761.91        0.30057                    464903.41
3807761.91        0.29498
         464923.41    3807761.91        0.28964                    464943.41
3807761.91        0.28397
         464963.41    3807761.91        0.27884                    464983.41
3807761.91        0.27394
         465003.41    3807761.91        0.26872                    465023.41
3807761.91        0.26369
         465043.41    3807761.91        0.25889                    465063.41
3807761.91        0.25453
         465083.41    3807761.91        0.25033                    465103.41
3807761.91        0.24618
         465123.41    3807761.91        0.24179                    465143.41
3807761.91        0.23775
         465163.41    3807761.91        0.23386                    465183.41
3807761.91        0.22980
         465203.41    3807761.91        0.22610                    465223.41
3807761.91        0.22259
         465243.41    3807761.91        0.21913                    465263.41
3807761.91        0.21578
         465283.41    3807761.91        0.21247                    465303.41
3807761.91        0.20895
         465323.41    3807761.91        0.20572                    465343.41
3807761.91        0.20260
         465363.41    3807761.91        0.19932                    465383.41
3807761.91        0.19635
         464543.41    3807781.91        0.42310                    464563.41
3807781.91        0.41582
         464583.41    3807781.91        0.40789                    464603.41
3807781.91        0.39987
         464623.41    3807781.91        0.39190                    464643.41
3807781.91        0.38385
         464663.41    3807781.91        0.37573                    464683.41
3807781.91        0.36780
         464703.41    3807781.91        0.36046                    464723.41
3807781.91        0.35311
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```
         464743.41    3807781.91        0.34588                       464763.41
3807781.91        0.33883
         464783.41    3807781.91        0.33203                       464803.41
3807781.91        0.32550
         464823.41    3807781.91        0.31942                       464843.41
3807781.91        0.31329
         464863.41    3807781.91        0.30724                       464883.41
3807781.91        0.30138
         464903.41    3807781.91        0.29568                       464923.41
3807781.91        0.29014
         464943.41    3807781.91        0.28477                       464963.41
3807781.91        0.27953
         464983.41    3807781.91        0.27444                       465003.41
3807781.91        0.26950
         465023.41    3807781.91        0.26452                       465043.41
3807781.91        0.25967
         465063.41    3807781.91        0.25537                       465083.41
3807781.91        0.25100
         465103.41    3807781.91        0.24667                       465123.41
3807781.91        0.24247
         465143.41    3807781.91        0.23836                       465163.41
3807781.91        0.23435
         465183.41    3807781.91        0.23046                       465203.41
3807781.91        0.22681
         465223.41    3807781.91        0.22327                       465243.41
3807781.91        0.21964
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                   INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                  L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                  L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                  L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465263.41	3807781.91	0.21623	465283.41	3807781.91	0.21295
465303.41	3807781.91	0.20959	465323.41	3807781.91	0.20629
465343.41	3807781.91	0.20307	465363.41	3807781.91	0.19994
465383.41	3807781.91	0.19700	464543.41	3807801.91	0.42094
464563.41	3807801.91	0.41370	464583.41	3807801.91	0.40611
464603.41	3807801.91	0.39870	464623.41	3807801.91	0.39145
464643.41	3807801.91	0.38423	464663.41	3807801.91	0.37623
464683.41	3807801.91	0.36813	464703.41	3807801.91	0.36080
464723.41	3807801.91	0.35360	464743.41	3807801.91	0.34650
464763.41	3807801.91	0.33927	464783.41	3807801.91	0.33262
464803.41	3807801.91	0.32634	464823.41	3807801.91	0.32013
464843.41	3807801.91	0.31384	464863.41	3807801.91	0.30768
464883.41	3807801.91	0.30200	464903.41	3807801.91	0.29624
464923.41	3807801.91	0.29059	464943.41	3807801.91	0.28539
464963.41	3807801.91	0.28009	464983.41	3807801.91	0.27490
465003.41	3807801.91	0.27012	465023.41	3807801.91	0.26525
465043.41	3807801.91	0.26046	465063.41	3807801.91	0.25606
465083.41	3807801.91	0.25156	465103.41	3807801.91	0.24714
465123.41	3807801.91	0.24307	465143.41	3807801.91	0.23891
465163.41	3807801.91	0.23483	465183.41	3807801.91	0.23116
465203.41	3807801.91	0.22751	465223.41	3807801.91	0.22388
465243.41	3807801.91	0.22012	465263.41	3807801.91	0.21668
465283.41	3807801.91	0.21342	465303.41		

3807801.91   0.21016
         465323.41   3807801.91   0.20682   465343.41
3807801.91   0.20354
         465363.41   3807801.91   0.20058   465383.41
3807801.91   0.19764
         464543.41   3807821.91   0.41901   464563.41
3807821.91   0.41144
         464583.41   3807821.91   0.40467   464603.41
3807821.91   0.39802
         464623.41   3807821.91   0.39134   464643.41
3807821.91   0.38417
         464663.41   3807821.91   0.37655   464683.41
3807821.91   0.36891
         464703.41   3807821.91   0.36158   464723.41
3807821.91   0.35404
         464743.41   3807821.91   0.34663   464763.41
3807821.91   0.33989
         464783.41   3807821.91   0.33341   464803.41
3807821.91   0.32704
         464823.41   3807821.91   0.32039   464843.41
3807821.91   0.31426
         464863.41   3807821.91   0.30838   464883.41
3807821.91   0.30229
         464903.41   3807821.91   0.29667   464923.41
3807821.91   0.29129
         464943.41   3807821.91   0.28570   464963.41
3807821.91   0.28054
         464983.41   3807821.91   0.27560   465003.41
3807821.91   0.27045
         465023.41   3807821.91   0.26570   465043.41
3807821.91   0.26115
         465063.41   3807821.91   0.25640   465083.41
3807821.91   0.25202
         465103.41   3807821.91   0.24781   465123.41
3807821.91   0.24342

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                   INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                  L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                  L0006152   , L0006153   , L0006154   , L0006155   , L0006156

, L0006157   , L0006158   , L0006159   ,
                L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         465023.41    3807841.91        0.26614                      465043.41
3807841.91        0.26146
         465063.41    3807841.91        0.25691                      465083.41
3807841.91        0.25247
         465103.41    3807841.91        0.24814                      465123.41
3807841.91        0.24394
         465143.41    3807841.91        0.23982                      465163.41
3807841.91        0.23585
         465183.41    3807841.91        0.23218                      465203.41
3807841.91        0.22845
         465223.41    3807841.91        0.22474                      465243.41
3807841.91        0.22110
         465263.41    3807841.91        0.21769                      465283.41
3807841.91        0.21441
         465303.41    3807841.91        0.21103                      465323.41
3807841.91        0.20787
         465343.41    3807841.91        0.20480                      465363.41
3807841.91        0.20164
         465383.41    3807841.91        0.19856                      464503.41
3807861.91        0.43332
         464523.41    3807861.91        0.42274                      464543.41
3807861.91        0.41334
         464563.41    3807861.91        0.40513                      464583.41
3807861.91        0.39932
         464603.41    3807861.91        0.39398                      464723.41
3807861.91        0.35463
         464743.41    3807861.91        0.34779                      464763.41
3807861.91        0.34115
         464783.41    3807861.91        0.33423                      464803.41
3807861.91        0.32741
         464823.41    3807861.91        0.32123                      464843.41
3807861.91        0.31495
         464863.41    3807861.91        0.30882                      464883.41
3807861.91        0.30317
         464903.41    3807861.91        0.29742                      464923.41
3807861.91        0.29179
         464943.41    3807861.91        0.28661                      464963.41
3807861.91        0.28132
         464983.41    3807861.91        0.27614                      465003.41
3807861.91        0.27138
         465023.41    3807861.91        0.26651                      465043.41
3807861.91        0.26174
         465063.41    3807861.91        0.25734                      465083.41
3807861.91        0.25285
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465103.41	3807861.91	0.24843	465123.41	3807861.91	0.24438
465143.41	3807861.91	0.24022	465163.41	3807861.91	0.23612
465183.41	3807861.91	0.23237	465203.41	3807861.91	0.22875
465223.41	3807861.91	0.22520	465243.41	3807861.91	0.22144
465263.41	3807861.91	0.21800	465283.41	3807861.91	0.21473
465303.41	3807861.91	0.21148	465323.41	3807861.91	0.20835
465343.41	3807861.91	0.20526	465363.41	3807861.91	0.20199
465383.41	3807861.91	0.19895	464503.41	3807881.91	0.43248
464523.41	3807881.91	0.42194	464543.41	3807881.91	0.41261
464723.41	3807881.91	0.35512	464743.41	3807881.91	0.34829
464763.41	3807881.91	0.34165	464783.41	3807881.91	0.33475
464803.41	3807881.91	0.32784	464823.41	3807881.91	0.32122
464843.41	3807881.91	0.31512	464863.41	3807881.91	0.30928
464883.41	3807881.91	0.30321	464903.41		

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3807881.91        0.29762
         464923.41    3807881.91        0.29226                    464943.41
3807881.91        0.28669
         464963.41    3807881.91        0.28156                    464983.41
3807881.91        0.27663
         465003.41    3807881.91        0.27150                    465023.41
3807881.91        0.26677
         465043.41    3807881.91        0.26224                    465063.41
3807881.91        0.25749
         465083.41    3807881.91        0.25313                    465103.41
3807881.91        0.24894
         465123.41    3807881.91        0.24455                    465143.41
3807881.91        0.24051
         465163.41    3807881.91        0.23663                    465183.41
3807881.91        0.23256
         465203.41    3807881.91        0.22887                    465223.41
3807881.91        0.22537
         465243.41    3807881.91        0.22190                    465263.41
3807881.91        0.21855
         465283.41    3807881.91        0.21524                    465303.41
3807881.91        0.21171
         465323.41    3807881.91        0.20850                    465343.41
3807881.91        0.20546
         465363.41    3807881.91        0.20245                    465383.41
3807881.91        0.19932
         464723.41    3807901.91        0.35484                    464743.41
3807901.91        0.34862
         464763.41    3807901.91        0.34161                    464783.41
3807901.91        0.33486
         464803.41    3807901.91        0.32826                    464823.41
3807901.91        0.32156
         464843.41    3807901.91        0.31550                    464863.41
3807901.91        0.30972
         464883.41    3807901.91        0.30357                    464903.41
3807901.91        0.29780
         464923.41    3807901.91        0.29230                    464943.41
3807901.91        0.28697
         464963.41    3807901.91        0.28198                    464983.41
3807901.91        0.27711
         465003.41    3807901.91        0.27191                    465023.41
3807901.91        0.26701
         465043.41    3807901.91        0.26235                    465063.41
3807901.91        0.25782
         465083.41    3807901.91        0.25339                    465103.41
3807901.91        0.24908
         465123.41    3807901.91        0.24489                    465143.41
3807901.91        0.24079
         465163.41    3807901.91        0.23680                    465183.41
3807901.91        0.23292
         465203.41    3807901.91        0.22928                    465223.41
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465283.41	3807901.91	0.21545	465303.41	3807901.91	0.21208
465323.41	3807901.91	0.20878	465343.41	3807901.91	0.20558
465363.41	3807901.91	0.20263	465383.41	3807901.91	0.19962
464723.41	3807921.91	0.35407	464743.41	3807921.91	0.34847
464763.41	3807921.91	0.34144	464783.41	3807921.91	0.33482
464803.41	3807921.91	0.32841	464823.41	3807921.91	0.32186
464843.41	3807921.91	0.31577	464863.41	3807921.91	0.30990
464883.41	3807921.91	0.30376	464903.41	3807921.91	0.29789
464923.41	3807921.91	0.29231	464943.41	3807921.91	0.28728

464963.41 3807921.91 0.28231 464983.41 3807921.91 0.27736
465003.41 3807921.91 0.27216 465023.41 3807921.91 0.26718
465043.41 3807921.91 0.26242 465063.41 3807921.91 0.25806
465083.41 3807921.91 0.25359 465103.41 3807921.91 0.24919
465123.41 3807921.91 0.24515 465143.41 3807921.91 0.24101
465163.41 3807921.91 0.23694 465183.41 3807921.91 0.23320
465203.41 3807921.91 0.22960 465223.41 3807921.91 0.22606
465243.41 3807921.91 0.22231 465263.41 3807921.91 0.21882
465283.41 3807921.91 0.21552 465303.41 3807921.91 0.21235
465323.41 3807921.91 0.20904 465343.41 3807921.91 0.20576
465363.41 3807921.91 0.20281 465383.41 3807921.91 0.19988
464723.41 3807941.91 0.35267 464743.41 3807941.91 0.34734
464763.41 3807941.91 0.34134 464783.41 3807941.91 0.33473
464803.41 3807941.91 0.32804 464823.41 3807941.91 0.32197
464843.41 3807941.91 0.31574 464863.41 3807941.91 0.30952
464883.41 3807941.91 0.30341 464903.41 3807941.91 0.29784
464923.41 3807941.91 0.29262 464943.41 3807941.91 0.28761
464963.41 3807941.91 0.28238 464983.41 3807941.91 0.27712
465003.41 3807941.91 0.27194 465023.41 3807941.91 0.26723
465043.41 3807941.91 0.26272 465063.41 3807941.91 0.25801
465083.41 3807941.91 0.25367 465103.41 3807941.91 0.24951
465123.41 3807941.91 0.24514 465143.41 3807941.91 0.24113
465163.41 3807941.91 0.23727 465183.41 3807941.91 0.23322
465203.41 3807941.91 0.22954 465223.41 3807941.91 0.22606
465243.41 3807941.91 0.22262 465263.41 3807941.91 0.21904

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         465283.41    3807941.91        0.21551                       465303.41
3807941.91        0.21236
         465323.41    3807941.91        0.20923                       465343.41
3807941.91        0.20618
         465363.41    3807941.91        0.20323                       465383.41
3807941.91        0.20012
         465403.41    3807941.91        0.19703                       465423.41
3807941.91        0.19423
         465443.41    3807941.91        0.19152                       465463.41
3807941.91        0.18895
         465483.41    3807941.91        0.18631                       465503.41
3807941.91        0.18377
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                               INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                  L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                  L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                  L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465523.41    3807941.91        0.18124                       465543.41
3807941.91        0.17854
         465563.41    3807941.91        0.17605                       465583.41
3807941.91        0.17369
         465603.41    3807941.91        0.17141                       465623.41
3807941.91        0.16901
         465643.41    3807941.91        0.16661                       465663.41
3807941.91        0.16443
         465683.41    3807941.91        0.16216                       465703.41
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3807941.91        0.15990
         464723.41    3807961.91        0.35037                    464743.41
3807961.91        0.34600
         464763.41    3807961.91        0.34067                    464783.41
3807961.91        0.33448
         464803.41    3807961.91        0.32800                    464823.41
3807961.91        0.32167
         464843.41    3807961.91        0.31557                    464863.41
3807961.91        0.30959
         464883.41    3807961.91        0.30349                    464903.41
3807961.91        0.29800
         464923.41    3807961.91        0.29280                    464943.41
3807961.91        0.28747
         464963.41    3807961.91        0.28233                    464983.41
3807961.91        0.27728
         465003.41    3807961.91        0.27211                    465023.41
3807961.91        0.26745
         465043.41    3807961.91        0.26301                    465063.41
3807961.91        0.25823
         465083.41    3807961.91        0.25374                    465103.41
3807961.91        0.24946
         465123.41    3807961.91        0.24530                    465143.41
3807961.91        0.24123
         465163.41    3807961.91        0.23726                    465183.41
3807961.91        0.23340
         465203.41    3807961.91        0.22962                    465223.41
3807961.91        0.22597
         465243.41    3807961.91        0.22260                    465263.41
3807961.91        0.21916
         465283.41    3807961.91        0.21578                    465303.41
3807961.91        0.21263
         465323.41    3807961.91        0.20941                    465343.41
3807961.91        0.20623
         465363.41    3807961.91        0.20329                    465383.41
3807961.91        0.20029
         465403.41    3807961.91        0.19730                    465423.41
3807961.91        0.19436
         465443.41    3807961.91        0.19160                    465463.41
3807961.91        0.18922
         465483.41    3807961.91        0.18646                    465503.41
3807961.91        0.18388
         465523.41    3807961.91        0.18138                    465543.41
3807961.91        0.17880
         465563.41    3807961.91        0.17638                    465583.41
3807961.91        0.17403
         465603.41    3807961.91        0.17160                    465623.41
3807961.91        0.16922
         465643.41    3807961.91        0.16690                    465663.41
3807961.91        0.16461
         465683.41    3807961.91        0.16237                    465703.41
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3807961.91   0.16021
         464743.41   3807981.91   0.34427   464763.41
3807981.91   0.33955
         464783.41   3807981.91   0.33390   464803.41
3807981.91   0.32779
         464823.41   3807981.91   0.32116   464843.41
3807981.91   0.31519
         464863.41   3807981.91   0.30949   464883.41
3807981.91   0.30342
         464903.41   3807981.91   0.29794   464923.41
3807981.91   0.29274
         464943.41   3807981.91   0.28728   464963.41
3807981.91   0.28219
         464983.41   3807981.91   0.27731   465003.41
3807981.91   0.27227
         465023.41   3807981.91   0.26759   465043.41
3807981.91   0.26308
         465063.41   3807981.91   0.25843   465083.41
3807981.91   0.25382
         465103.41   3807981.91   0.24938   465123.41
3807981.91   0.24548

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                 INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                  L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                  L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                  L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
        465143.41    3807981.91        0.24134                    465163.41
3807981.91        0.23722
        465183.41    3807981.91        0.23351                    465203.41
3807981.91        0.22969
        465223.41    3807981.91        0.22594                    465243.41
3807981.91        0.22258
        465263.41    3807981.91        0.21930                    465283.41
3807981.91        0.21607
        465303.41    3807981.91        0.21285                    465323.41
3807981.91        0.20953
        465343.41    3807981.91        0.20625                    465363.41
3807981.91        0.20325
        465383.41    3807981.91        0.20035                    465403.41
3807981.91        0.19750
        465423.41    3807981.91        0.19446                    465443.41
3807981.91        0.19168
        465463.41    3807981.91        0.18944                    465483.41
3807981.91        0.18658
        465503.41    3807981.91        0.18397                    465523.41
3807981.91        0.18150
        465543.41    3807981.91        0.17902                    465563.41
3807981.91        0.17663
        465583.41    3807981.91        0.17426                    465603.41
3807981.91        0.17174
        465623.41    3807981.91        0.16940                    465643.41
3807981.91        0.16713
        465663.41    3807981.91        0.16476                    465683.41
3807981.91        0.16260
        465703.41    3807981.91        0.16054                    464763.41
3808001.91        0.33776
        464783.41    3808001.91        0.33270                    464803.41
3808001.91        0.32703
        464823.41    3808001.91        0.32043                    464843.41
3808001.91        0.31451
        464863.41    3808001.91        0.30884                    464883.41
3808001.91        0.30279
        464903.41    3808001.91        0.29736                    464923.41
3808001.91        0.29225
        464943.41    3808001.91        0.28722                    464963.41
3808001.91        0.28202
        464983.41    3808001.91        0.27691                    465003.41
3808001.91        0.27227
        465023.41    3808001.91        0.26748                    465043.41
3808001.91        0.26275
        465063.41    3808001.91        0.25847                    465083.41
3808001.91        0.25399
        465103.41    3808001.91        0.24957                    465123.41
3808001.91        0.24568
        465143.41    3808001.91        0.24155                    465163.41
3808001.91        0.23737
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         465183.41    3808001.91        0.23335                      465203.41
3808001.91        0.22966
         465223.41    3808001.91        0.22618                      465243.41
3808001.91        0.22283
         465263.41    3808001.91        0.21955                      465283.41
3808001.91        0.21628
         465303.41    3808001.91        0.21278                      465323.41
3808001.91        0.20957
         465343.41    3808001.91        0.20648                      465363.41
3808001.91        0.20321
         465383.41    3808001.91        0.20025                      465403.41
3808001.91        0.19745
         465423.41    3808001.91        0.19466                      465443.41
3808001.91        0.19197
         465463.41    3808001.91        0.18942                      465483.41
3808001.91        0.18680
         465503.41    3808001.91        0.18427                      465523.41
3808001.91        0.18176
         465543.41    3808001.91        0.17906                      465563.41
3808001.91        0.17661
         465583.41    3808001.91        0.17429                      465603.41
3808001.91        0.17198
         465623.41    3808001.91        0.16957                      465643.41
3808001.91        0.16718
         465663.41    3808001.91        0.16501                      465683.41
3808001.91        0.16291
         465703.41    3808001.91        0.16082                      464763.41
3808021.91        0.33498
         464783.41    3808021.91        0.33016                      464803.41
3808021.91        0.32514
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                    INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                  L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                  L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                  L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464823.41	3808021.91	0.31936	464843.41	3808021.91	0.31372
464863.41	3808021.91	0.30815	464883.41	3808021.91	0.30249
464903.41	3808021.91	0.29696	464923.41	3808021.91	0.29163
464943.41	3808021.91	0.28671	464963.41	3808021.91	0.28173
464983.41	3808021.91	0.27678	465003.41	3808021.91	0.27193
465023.41	3808021.91	0.26725	465043.41	3808021.91	0.26268
465063.41	3808021.91	0.25821	465083.41	3808021.91	0.25387
465103.41	3808021.91	0.24964	465123.41	3808021.91	0.24550
465143.41	3808021.91	0.24147	465163.41	3808021.91	0.23751
465183.41	3808021.91	0.23344	465203.41	3808021.91	0.22978
465223.41	3808021.91	0.22632	465243.41	3808021.91	0.22274
465263.41	3808021.91	0.21940	465283.41	3808021.91	0.21617
465303.41	3808021.91	0.21285	465323.41	3808021.91	0.20959
465343.41	3808021.91	0.20641	465363.41	3808021.91	0.20331
465383.41	3808021.91	0.20040	465403.41	3808021.91	0.19758
465423.41	3808021.91	0.19466	465443.41	3808021.91	0.19193
465463.41	3808021.91	0.18957	465483.41	3808021.91	0.18683
465503.41	3808021.91	0.18426	465523.41	3808021.91	0.18178
465543.41	3808021.91	0.17921	465563.41	3808021.91	0.17669
465583.41	3808021.91	0.17425	465603.41	3808021.91	0.17200
465623.41	3808021.91	0.16968	465643.41		

3808021.91   0.16739
         465663.41   3808021.91   0.16527   465683.41
3808021.91   0.16308
         465703.41   3808021.91   0.16089   464783.41
3808041.91   0.32763
         464803.41   3808041.91   0.32302   464823.41
3808041.91   0.31799
         464843.41   3808041.91   0.31271   464863.41
3808041.91   0.30736
         464883.41   3808041.91   0.30204   464903.41
3808041.91   0.29652
         464923.41   3808041.91   0.29108   464943.41
3808041.91   0.28619
         464963.41   3808041.91   0.28143   464983.41
3808041.91   0.27669
         465003.41   3808041.91   0.27159   465023.41
3808041.91   0.26694
         465043.41   3808041.91   0.26250   465063.41
3808041.91   0.25790
         465083.41   3808041.91   0.25362   465103.41
3808041.91   0.24951
         465123.41   3808041.91   0.24525   465143.41
3808041.91   0.24129
         465163.41   3808041.91   0.23747   465183.41
3808041.91   0.23351
         465203.41   3808041.91   0.22983   465223.41
3808041.91   0.22628
         465243.41   3808041.91   0.22260   465263.41
3808041.91   0.21917
         465283.41   3808041.91   0.21592   465303.41
3808041.91   0.21282
         465323.41   3808041.91   0.20956   465343.41
3808041.91   0.20631
         465363.41   3808041.91   0.20334   465383.41
3808041.91   0.20047
         465403.41   3808041.91   0.19765   465423.41
3808041.91   0.19463
         465443.41   3808041.91   0.19188   465463.41
3808041.91   0.18966

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                 INCLUDING SOURCE(S):   L0006139   , L0006140

```
, L0006141    , L0006142    , L0006143    ,
                L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465483.41    3808041.91        0.18682                       465503.41
3808041.91        0.18419
         465523.41    3808041.91        0.18169                       465543.41
3808041.91        0.17930
         465563.41    3808041.91        0.17677                       465583.41
3808041.91        0.17426
         465603.41    3808041.91        0.17201                       465623.41
3808041.91        0.16980
         465643.41    3808041.91        0.16763                       465663.41
3808041.91        0.16545
         465683.41    3808041.91        0.16319                       465703.41
3808041.91        0.16096
         464803.41    3808061.91        0.32115                       464823.41
3808061.91        0.31622
         464843.41    3808061.91        0.31133                       464863.41
3808061.91        0.30642
         464883.41    3808061.91        0.30114                       464903.41
3808061.91        0.29594
         464923.41    3808061.91        0.29088                       464943.41
3808061.91        0.28601
         464963.41    3808061.91        0.28127                       464983.41
3808061.91        0.27656
         465003.41    3808061.91        0.27148                       465023.41
3808061.91        0.26660
         465043.41    3808061.91        0.26194                       465063.41
3808061.91        0.25772
         465083.41    3808061.91        0.25335                       465103.41
3808061.91        0.24903
         465123.41    3808061.91        0.24513                       465143.41
3808061.91        0.24107
         465163.41    3808061.91        0.23707                       465183.41
3808061.91        0.23344
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         465203.41    3808061.91        0.22967                    465223.41
3808061.91        0.22594
         465243.41    3808061.91        0.22257                    465263.41
3808061.91        0.21906
         465283.41    3808061.91        0.21559                    465303.41
3808061.91        0.21251
         465323.41    3808061.91        0.20945                    465343.41
3808061.91        0.20639
         465363.41    3808061.91        0.20315                    465383.41
3808061.91        0.20023
         465403.41    3808061.91        0.19745                    465423.41
3808061.91        0.19470
         465443.41    3808061.91        0.19204                    465463.41
3808061.91        0.18951
         465483.41    3808061.91        0.18692                    465503.41
3808061.91        0.18421
         465523.41    3808061.91        0.18153                    465543.41
3808061.91        0.17915
         465563.41    3808061.91        0.17678                    465583.41
3808061.91        0.17445
         465603.41    3808061.91        0.17221                    465623.41
3808061.91        0.17000
         465643.41    3808061.91        0.16780                    465663.41
3808061.91        0.16542
         465683.41    3808061.91        0.16324                    465703.41
3808061.91        0.16117
         464823.41    3808081.91        0.31492                    464843.41
3808081.91        0.30990
         464863.41    3808081.91        0.30488                    464883.41
3808081.91        0.30002
         464903.41    3808081.91        0.29529                    464923.41
3808081.91        0.29060
         464943.41    3808081.91        0.28575                    464963.41
3808081.91        0.28082
         464983.41    3808081.91        0.27593                    465003.41
3808081.91        0.27119
         465023.41    3808081.91        0.26638                    465043.41
3808081.91        0.26169
         465063.41    3808081.91        0.25757                    465083.41
3808081.91        0.25320
         465103.41    3808081.91        0.24880                    465123.41
3808081.91        0.24472
         465143.41    3808081.91        0.24076                    465163.41
3808081.91        0.23689
         465183.41    3808081.91        0.23310                    465203.41
3808081.91        0.22941
         465223.41    3808081.91        0.22582                    465243.41
3808081.91        0.22229
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
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*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465263.41	3808081.91	0.21885	465283.41	3808081.91	0.21554
465303.41	3808081.91	0.21247	465323.41	3808081.91	0.20932
465343.41	3808081.91	0.20617	465363.41	3808081.91	0.20310
465383.41	3808081.91	0.20024	465403.41	3808081.91	0.19745
465423.41	3808081.91	0.19456	465443.41	3808081.91	0.19186
465463.41	3808081.91	0.18954	465483.41	3808081.91	0.18682
465503.41	3808081.91	0.18417	465523.41	3808081.91	0.18158
465543.41	3808081.91	0.17902	465563.41	3808081.91	0.17664
465583.41	3808081.91	0.17436	465603.41	3808081.91	0.17213
465623.41	3808081.91	0.16993	465643.41	3808081.91	0.16775
465663.41	3808081.91	0.16550	465683.41	3808081.91	0.16339
465703.41	3808081.91	0.16133	464843.41		

3808101.91 0.30844
464863.41 3808101.91 0.30350 464883.41
3808101.91 0.29902
464903.41 3808101.91 0.29454 464923.41
3808101.91 0.29003
464943.41 3808101.91 0.28522 464963.41
3808101.91 0.28022
464983.41 3808101.91 0.27525 465003.41
3808101.91 0.27071
465023.41 3808101.91 0.26604 465043.41
3808101.91 0.26145
465063.41 3808101.91 0.25725 465083.41
3808101.91 0.25286
465103.41 3808101.91 0.24847 465123.41
3808101.91 0.24427
465143.41 3808101.91 0.24044 465163.41
3808101.91 0.23675
465183.41 3808101.91 0.23275 465203.41
3808101.91 0.22910
465223.41 3808101.91 0.22561 465243.41
3808101.91 0.22197
465263.41 3808101.91 0.21865 465283.41
3808101.91 0.21552
465303.41 3808101.91 0.21238 465323.41
3808101.91 0.20913
465343.41 3808101.91 0.20592 465363.41
3808101.91 0.20299
465383.41 3808101.91 0.20016 465403.41
3808101.91 0.19737
465423.41 3808101.91 0.19439 465443.41
3808101.91 0.19167
465463.41 3808101.91 0.18949 465483.41
3808101.91 0.18668
465503.41 3808101.91 0.18408 465523.41
3808101.91 0.18156
465543.41 3808101.91 0.17892 465563.41
3808101.91 0.17652
465583.41 3808101.91 0.17425 465603.41
3808101.91 0.17203
465623.41 3808101.91 0.16984 465643.41
3808101.91 0.16769
465663.41 3808101.91 0.16553 465683.41
3808101.91 0.16345
465703.41 3808101.91 0.16139 464863.41
3808121.91 0.30295
464883.41 3808121.91 0.29850 464903.41
3808121.91 0.29376
464923.41 3808121.91 0.28895 464943.41
3808121.91 0.28419
464963.41 3808121.91 0.27948 464983.41

3808121.91 0.27481
  465003.41 3808121.91 0.26990 465023.41
3808121.91 0.26541
  465043.41 3808121.91 0.26109 465063.41
3808121.91 0.25655
  465083.41 3808121.91 0.25208 465103.41
3808121.91 0.24778

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465123.41	3808121.91	0.24395	465143.41	3808121.91	0.24025
465163.41	3808121.91	0.23658	465183.41	3808121.91	0.23260
465203.41	3808121.91	0.22875	465223.41	3808121.91	0.22508
465243.41	3808121.91	0.22177	465263.41	3808121.91	0.21857
465283.41	3808121.91	0.21539	465303.41	3808121.91	0.21198
465323.41	3808121.91	0.20885	465343.41	3808121.91	0.20585
465363.41	3808121.91	0.20265	465383.41	3808121.91	0.19977

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        465403.41    3808121.91        0.19704                    465423.41
3808121.91        0.19433
        465443.41    3808121.91        0.19170                    465463.41
3808121.91        0.18921
        465483.41    3808121.91        0.18665                    465503.41
3808121.91        0.18398
        465523.41    3808121.91        0.18133                    465543.41
3808121.91        0.17892
        465563.41    3808121.91        0.17660                    465583.41
3808121.91        0.17434
        465603.41    3808121.91        0.17212                    465623.41
3808121.91        0.16994
        465643.41    3808121.91        0.16776                    465663.41
3808121.91        0.16541
        465683.41    3808121.91        0.16327                    465703.41
3808121.91        0.16126
        464883.41    3808141.91        0.29723                    464903.41
3808141.91        0.29284
        464923.41    3808141.91        0.28827                    464943.41
3808141.91        0.28354
        464963.41    3808141.91        0.27893                    464983.41
3808141.91        0.27434
        465003.41    3808141.91        0.26939                    465023.41
3808141.91        0.26494
        465043.41    3808141.91        0.26070                    465063.41
3808141.91        0.25612
        465083.41    3808141.91        0.25165                    465103.41
3808141.91        0.24738
        465123.41    3808141.91        0.24365                    465143.41
3808141.91        0.23982
        465163.41    3808141.91        0.23601                    465183.41
3808141.91        0.23230
        465203.41    3808141.91        0.22852                    465223.41
3808141.91        0.22482
        465243.41    3808141.91        0.22159                    465263.41
3808141.91        0.21827
        465283.41    3808141.91        0.21496                    465303.41
3808141.91        0.21173
        465323.41    3808141.91        0.20857                    465343.41
3808141.91        0.20547
        465363.41    3808141.91        0.20245                    465383.41
3808141.91        0.19963
        465403.41    3808141.91        0.19689                    465423.41
3808141.91        0.19405
        465443.41    3808141.91        0.19139                    465463.41
3808141.91        0.18885
        465483.41    3808141.91        0.18636                    465503.41
3808141.91        0.18381
        465523.41    3808141.91        0.18125                    465543.41
3808141.91        0.17873
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         465563.41    3808141.91        0.17638                      465583.41
3808141.91        0.17413
         465603.41    3808141.91        0.17193                      465623.41
3808141.91        0.16976
         465643.41    3808141.91        0.16761                      465663.41
3808141.91        0.16538
         465683.41    3808141.91        0.16319                      465703.41
3808141.91        0.16106
         464883.41    3808161.91        0.29570                      464903.41
3808161.91        0.29171
         464923.41    3808161.91        0.28744                      464943.41
3808161.91        0.28275
         464963.41    3808161.91        0.27817                      464983.41
3808161.91        0.27364
         465003.41    3808161.91        0.26884                      465023.41
3808161.91        0.26439
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                   PAGE 308
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                   INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                  L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                  L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                  L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465043.41    3808161.91        0.26009                      465063.41
3808161.91        0.25553
         465083.41    3808161.91        0.25116                      465103.41
3808161.91        0.24700
         465123.41    3808161.91        0.24319                      465143.41
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3808161.91        0.23926
         465163.41    3808161.91        0.23538                   465183.41
3808161.91        0.23184
         465203.41    3808161.91        0.22818                   465223.41
3808161.91        0.22457
         465243.41    3808161.91        0.22127                   465263.41
3808161.91        0.21786
         465283.41    3808161.91        0.21449                   465303.41
3808161.91        0.21141
         465323.41    3808161.91        0.20822                   465343.41
3808161.91        0.20507
         465363.41    3808161.91        0.20219                   465383.41
3808161.91        0.19941
         465403.41    3808161.91        0.19667                   465423.41
3808161.91        0.19374
         465443.41    3808161.91        0.19106                   465463.41
3808161.91        0.18853
         465483.41    3808161.91        0.18599                   465503.41
3808161.91        0.18354
         465523.41    3808161.91        0.18111                   465543.41
3808161.91        0.17851
         465563.41    3808161.91        0.17615                   465583.41
3808161.91        0.17391
         465603.41    3808161.91        0.17172                   465623.41
3808161.91        0.16952
         465643.41    3808161.91        0.16737                   465663.41
3808161.91        0.16529
         465683.41    3808161.91        0.16309                   465703.41
3808161.91        0.16090
         464903.41    3808181.91        0.29030                   464923.41
3808181.91        0.28608
         464943.41    3808181.91        0.28145                   464963.41
3808181.91        0.27692
         464983.41    3808181.91        0.27250                   465003.41
3808181.91        0.26812
         465023.41    3808181.91        0.26358                   465043.41
3808181.91        0.25901
         465063.41    3808181.91        0.25449                   465083.41
3808181.91        0.25040
         465103.41    3808181.91        0.24650                   465123.41
3808181.91        0.24237
         465143.41    3808181.91        0.23859                   465163.41
3808181.91        0.23496
         465183.41    3808181.91        0.23112                   465203.41
3808181.91        0.22760
         465223.41    3808181.91        0.22422                   465243.41
3808181.91        0.22064
         465263.41    3808181.91        0.21736                   465283.41
3808181.91        0.21420
         465303.41    3808181.91        0.21085                   465323.41
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3808181.91 0.20779
465343.41 3808181.91 0.20484 465363.41
3808181.91 0.20170
465383.41 3808181.91 0.19887 465403.41
3808181.91 0.19620
465423.41 3808181.91 0.19353 465443.41
3808181.91 0.19096
465463.41 3808181.91 0.18839 465483.41
3808181.91 0.18563
465503.41 3808181.91 0.18312 465523.41
3808181.91 0.18076
465543.41 3808181.91 0.17839 465563.41
3808181.91 0.17611
465583.41 3808181.91 0.17388 465603.41
3808181.91 0.17170
465623.41 3808181.91 0.16937 465643.41
3808181.91 0.16706
465663.41 3808181.91 0.16500 465683.41
3808181.91 0.16295
465703.41 3808181.91 0.16089 464923.41
3808201.91 0.28418
464943.41 3808201.91 0.27994 464963.41
3808201.91 0.27558
464983.41 3808201.91 0.27122 465003.41
3808201.91 0.26697

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465023.41	3808201.91	0.26245	465043.41	3808201.91	0.25790
465063.41	3808201.91	0.25372	465083.41	3808201.91	0.24962
465103.41	3808201.91	0.24560	465123.41	3808201.91	0.24172
465143.41	3808201.91	0.23791	465163.41	3808201.91	0.23418
465183.41	3808201.91	0.23056	465203.41	3808201.91	0.22701
465223.41	3808201.91	0.22354	465243.41	3808201.91	0.22016
465263.41	3808201.91	0.21684	465283.41	3808201.91	0.21360
465303.41	3808201.91	0.21044	465323.41	3808201.91	0.20734
465343.41	3808201.91	0.20431	465363.41	3808201.91	0.20135
465383.41	3808201.91	0.19845	465403.41	3808201.91	0.19563
465423.41	3808201.91	0.19305	465443.41	3808201.91	0.19051
465463.41	3808201.91	0.18799	465483.41	3808201.91	0.18538
465503.41	3808201.91	0.18293	465523.41	3808201.91	0.18059
465543.41	3808201.91	0.17829	465563.41	3808201.91	0.17591
465583.41	3808201.91	0.17357	465603.41	3808201.91	0.17140
465623.41	3808201.91	0.16916	465643.41	3808201.91	0.16696
465663.41	3808201.91	0.16491	465683.41	3808201.91	0.16279
465703.41	3808201.91	0.16067	464943.41	3808221.91	0.27833
464963.41	3808221.91	0.27415	464983.41	3808221.91	0.26985
465003.41	3808221.91	0.26565	465023.41	3808221.91	0.26125
465043.41	3808221.91	0.25687	465063.41	3808221.91	0.25288
465083.41	3808221.91	0.24868	465103.41	3808221.91	0.24455
465123.41	3808221.91	0.24094	465143.41	3808221.91	0.23715

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         465163.41    3808221.91        0.23337                       465183.41
3808221.91        0.22992
         465203.41    3808221.91        0.22634                       465223.41
3808221.91        0.22282
         465243.41    3808221.91        0.21960                       465263.41
3808221.91        0.21626
         465283.41    3808221.91        0.21297                       465303.41
3808221.91        0.20996
         465323.41    3808221.91        0.20684                       465343.41
3808221.91        0.20375
         465363.41    3808221.91        0.20094                       465383.41
3808221.91        0.19801
         465403.41    3808221.91        0.19513                       465423.41
3808221.91        0.19256
         465443.41    3808221.91        0.19005                       465463.41
3808221.91        0.18758
         465483.41    3808221.91        0.18516                       465503.41
3808221.91        0.18273
         465523.41    3808221.91        0.18035                       465543.41
3808221.91        0.17807
         465563.41    3808221.91        0.17564                       465583.41
3808221.91        0.17323
         465603.41    3808221.91        0.17108                       465623.41
3808221.91        0.16892
         465643.41    3808221.91        0.16680                       465663.41
3808221.91        0.16476
         465683.41    3808221.91        0.16260                       465703.41
3808221.91        0.16044
         464963.41    3808241.91        0.27266                       464983.41
3808241.91        0.26841
         465003.41    3808241.91        0.26426                       465023.41
3808241.91        0.26015
         465043.41    3808241.91        0.25606                       465063.41
3808241.91        0.25174
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 310
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                   INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                  L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                  L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
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L0006160 , L0006161 , L0006162 , L0006163 , L0006164
, L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465083.41	3808241.91	0.24748	465103.41	3808241.91	0.24339
465123.41	3808241.91	0.23983	465143.41	3808241.91	0.23629
465163.41	3808241.91	0.23276	465183.41	3808241.91	0.22901
465203.41	3808241.91	0.22558	465223.41	3808241.91	0.22229
465243.41	3808241.91	0.21879	465263.41	3808241.91	0.21559
465283.41	3808241.91	0.21252	465303.41	3808241.91	0.20924
465323.41	3808241.91	0.20625	465343.41	3808241.91	0.20337
465363.41	3808241.91	0.20030	465383.41	3808241.91	0.19750
465403.41	3808241.91	0.19486	465423.41	3808241.91	0.19231
465443.41	3808241.91	0.18981	465463.41	3808241.91	0.18735
465483.41	3808241.91	0.18495	465503.41	3808241.91	0.18238
465523.41	3808241.91	0.17983	465543.41	3808241.91	0.17756
465563.41	3808241.91	0.17531	465583.41	3808241.91	0.17309
465603.41	3808241.91	0.17095	465623.41	3808241.91	0.16866
465643.41	3808241.91	0.16638	465663.41	3808241.91	0.16436
465683.41	3808241.91	0.16235	465703.41	3808241.91	0.16033
464983.41	3808261.91	0.26598	465003.41	3808261.91	0.26222
465023.41	3808261.91	0.25834	465043.41	3808261.91	0.25440
465063.41	3808261.91	0.25034	465083.41		

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3808261.91        0.24639
         465103.41    3808261.91        0.24253                        465123.41
3808261.91        0.23872
         465143.41    3808261.91        0.23519                        465163.41
3808261.91        0.23178
         465183.41    3808261.91        0.22827                        465203.41
3808261.91        0.22481
         465223.41    3808261.91        0.22143                        465243.41
3808261.91        0.21814
         465263.41    3808261.91        0.21507                        465283.41
3808261.91        0.21206
         465303.41    3808261.91        0.20875                        465323.41
3808261.91        0.20565
         465343.41    3808261.91        0.20269                        465363.41
3808261.91        0.19981
         465383.41    3808261.91        0.19697                        465403.41
3808261.91        0.19423
         465423.41    3808261.91        0.19170                        465443.41
3808261.91        0.18922
         465463.41    3808261.91        0.18680                        465483.41
3808261.91        0.18442
         465503.41    3808261.91        0.18196                        465523.41
3808261.91        0.17953
         465543.41    3808261.91        0.17729                        465563.41
3808261.91        0.17496
         465583.41    3808261.91        0.17266                        465603.41
3808261.91        0.17053
         465623.41    3808261.91        0.16835                        465643.41
3808261.91        0.16615
         465663.41    3808261.91        0.16399                        465683.41
3808261.91        0.16197
         465703.41    3808261.91        0.16001                        465003.41
3808281.91        0.26003
         465023.41    3808281.91        0.25634                        465043.41
3808281.91        0.25259
         465063.41    3808281.91        0.24875                        465083.41
3808281.91        0.24513
         465103.41    3808281.91        0.24157                        465123.41
3808281.91        0.23767
         465143.41    3808281.91        0.23413                        465163.41
3808281.91        0.23079
         465183.41    3808281.91        0.22744                        465203.41
3808281.91        0.22397
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 311
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***

INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 , L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 , L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 , L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465223.41	3808281.91	0.22056	465243.41	3808281.91	0.21752
465263.41	3808281.91	0.21448	465283.41	3808281.91	0.21142
465303.41	3808281.91	0.20814	465323.41	3808281.91	0.20500
465343.41	3808281.91	0.20199	465363.41	3808281.91	0.19925
465383.41	3808281.91	0.19639	465403.41	3808281.91	0.19357
465423.41	3808281.91	0.19100	465443.41	3808281.91	0.18852
465463.41	3808281.91	0.18623	465483.41	3808281.91	0.18387
465503.41	3808281.91	0.18155	465523.41	3808281.91	0.17926
465543.41	3808281.91	0.17697	465563.41	3808281.91	0.17457
465583.41	3808281.91	0.17221	465603.41	3808281.91	0.17010
465623.41	3808281.91	0.16800	465643.41	3808281.91	0.16587
465663.41	3808281.91	0.16363	465683.41	3808281.91	0.16157
465703.41	3808281.91	0.15961	465003.41	3808301.91	0.25795
465023.41	3808301.91	0.25447	465043.41	3808301.91	0.25102

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         465063.41    3808301.91        0.24686                    465083.41
3808301.91        0.24343
         465103.41    3808301.91        0.24027                    465123.41
3808301.91        0.23676
         465143.41    3808301.91        0.23337                    465163.41
3808301.91        0.23000
         465183.41    3808301.91        0.22636                    465203.41
3808301.91        0.22304
         465223.41    3808301.91        0.21992                    465243.41
3808301.91        0.21690
         465263.41    3808301.91        0.21370                    465283.41
3808301.91        0.21043
         465303.41    3808301.91        0.20719                    465323.41
3808301.91        0.20426
         465343.41    3808301.91        0.20146                    465363.41
3808301.91        0.19847
         465383.41    3808301.91        0.19574                    465403.41
3808301.91        0.19311
         465423.41    3808301.91        0.19030                    465443.41
3808301.91        0.18778
         465463.41    3808301.91        0.18587                    465483.41
3808301.91        0.18353
         465503.41    3808301.91        0.18123                    465523.41
3808301.91        0.17892
         465543.41    3808301.91        0.17642                    465563.41
3808301.91        0.17413
         465583.41    3808301.91        0.17196                    465603.41
3808301.91        0.16987
         465623.41    3808301.91        0.16763                    465643.41
3808301.91        0.16540
         465663.41    3808301.91        0.16338                    465683.41
3808301.91        0.16125
         465703.41    3808301.91        0.15914                    465043.41
3808321.91        0.24909
         465063.41    3808321.91        0.24550                    465083.41
3808321.91        0.24213
         465103.41    3808321.91        0.23887                    465123.41
3808321.91        0.23547
         465143.41    3808321.91        0.23215                    465163.41
3808321.91        0.22885
         465183.41    3808321.91        0.22544                    465203.41
3808321.91        0.22226
         465223.41    3808321.91        0.21918                    465243.41
3808321.91        0.21596
         465263.41    3808321.91        0.21267                    465283.41
3808321.91        0.20944
         465303.41    3808321.91        0.20645                    465323.41
3808321.91        0.20351
         465343.41    3808321.91        0.20064                    465363.41
3808321.91        0.19784
```

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                   INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                  L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                  L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                  L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465423.41   3808321.91   0.18975   465443.41
3808321.91   0.18729
         465463.41   3808321.91   0.18520   465483.41
3808321.91   0.18288
         465503.41   3808321.91   0.18060   465523.41
3808321.91   0.17834
         465543.41   3808321.91   0.17598   465563.41
3808321.91   0.17378
         465583.41   3808321.91   0.17164   465603.41
3808321.91   0.16940
         465623.41   3808321.91   0.16721   465643.41
3808321.91   0.16507
         465663.41   3808321.91   0.16295   465683.41
3808321.91   0.16088
         465703.41   3808321.91   0.15885   465083.41
3808341.91   0.24081
         465103.41   3808341.91   0.23740   465123.41
3808341.91   0.23416
         465143.41   3808341.91   0.23091   465163.41

3808341.91 0.22770
465183.41 3808341.91 0.22456 465203.41
3808341.91 0.22142
465223.41 3808341.91 0.21827 465243.41
3808341.91 0.21497
465263.41 3808341.91 0.21168 465283.41
3808341.91 0.20849
465303.41 3808341.91 0.20566 465323.41
3808341.91 0.20266
465343.41 3808341.91 0.19968 465363.41
3808341.91 0.19711
465383.41 3808341.91 0.19437 465403.41
3808341.91 0.19162
465423.41 3808341.91 0.18913 465443.41
3808341.91 0.18672
465463.41 3808341.91 0.18450 465483.41
3808341.91 0.18221
465503.41 3808341.91 0.17996 465523.41
3808341.91 0.17774
465543.41 3808341.91 0.17550 465563.41
3808341.91 0.17335
465583.41 3808341.91 0.17121 465603.41
3808341.91 0.16889
465623.41 3808341.91 0.16676 465643.41
3808341.91 0.16469
465663.41 3808341.91 0.16250 465683.41
3808341.91 0.16048
465703.41 3808341.91 0.15852 465103.41
3808361.91 0.23593
465123.41 3808361.91 0.23307 465143.41
3808361.91 0.22997
465163.41 3808361.91 0.22680 465183.41
3808361.91 0.22369
465203.41 3808361.91 0.22038 465223.41
3808361.91 0.21707
465243.41 3808361.91 0.21410 465263.41
3808361.91 0.21094
465283.41 3808361.91 0.20774 465303.41
3808361.91 0.20465
465323.41 3808361.91 0.20160 465343.41
3808361.91 0.19866
465363.41 3808361.91 0.19612 465383.41
3808361.91 0.19358
465403.41 3808361.91 0.19104 465423.41
3808361.91 0.18831
465443.41 3808361.91 0.18586 465463.41
3808361.91 0.18403
465483.41 3808361.91 0.18175 465503.41
3808361.91 0.17952
465523.41 3808361.91 0.17728 465543.41

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465223.41	3808381.91	0.21574	465243.41	3808381.91	0.21263
465263.41	3808381.91	0.20946	465283.41	3808381.91	0.20633
465303.41	3808381.91	0.20346	465323.41	3808381.91	0.20049
465343.41	3808381.91	0.19759	465363.41	3808381.91	0.19508
465383.41	3808381.91	0.19262	465403.41	3808381.91	0.19018

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        465423.41    3808381.91        0.18763                    465443.41
3808381.91        0.18525
        465463.41    3808381.91        0.18323                    465483.41
3808381.91        0.18099
        465503.41    3808381.91        0.17878                    465523.41
3808381.91        0.17659
        465543.41    3808381.91        0.17430                    465563.41
3808381.91        0.17204
        465583.41    3808381.91        0.16986                    465603.41
3808381.91        0.16785
        465623.41    3808381.91        0.16577                    465643.41
3808381.91        0.16369
        465663.41    3808381.91        0.16162                    465683.41
3808381.91        0.15961
        465703.41    3808381.91        0.15763                    465303.41
3808401.91        0.20208
        465323.41    3808401.91        0.19927                    465343.41
3808401.91        0.19648
        465363.41    3808401.91        0.19401                    465383.41
3808401.91        0.19158
        465403.41    3808401.91        0.18920                    465423.41
3808401.91        0.18686
        465443.41    3808401.91        0.18456                    465463.41
3808401.91        0.18231
        465483.41    3808401.91        0.18010                    465503.41
3808401.91        0.17792
        465523.41    3808401.91        0.17579                    465543.41
3808401.91        0.17369
        465563.41    3808401.91        0.17144                    465583.41
3808401.91        0.16920
        465603.41    3808401.91        0.16722                    465623.41
3808401.91        0.16522
        465643.41    3808401.91        0.16321                    465663.41
3808401.91        0.16108
        465683.41    3808401.91        0.15911                    465703.41
3808401.91        0.15721
        465323.41    3808421.91        0.19786                    465343.41
3808421.91        0.19533
        465363.41    3808421.91        0.19290                    465383.41
3808421.91        0.19050
        465403.41    3808421.91        0.18816                    465423.41
3808421.91        0.18585
        465443.41    3808421.91        0.18359                    465463.41
3808421.91        0.18136
        465483.41    3808421.91        0.17918                    465503.41
3808421.91        0.17703
        465523.41    3808421.91        0.17492                    465543.41
3808421.91        0.17285
        465563.41    3808421.91        0.17079                    465583.41
3808421.91        0.16874
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         465603.41    3808421.91        0.16678                       465623.41
3808421.91        0.16466
         465643.41    3808421.91        0.16254                       465663.41
3808421.91        0.16063
         465683.41    3808421.91        0.15861                       465703.41
3808421.91        0.15660
         465323.41    3808441.91        0.19659                       465343.41
3808441.91        0.19418
         465363.41    3808441.91        0.19199                       465383.41
3808441.91        0.18970
         465403.41    3808441.91        0.18738                       465423.41
3808441.91        0.18510
         465443.41    3808441.91        0.18286                       465463.41
3808441.91        0.18067
         465483.41    3808441.91        0.17851                       465503.41
3808441.91        0.17638
         465523.41    3808441.91        0.17430                       465543.41
3808441.91        0.17225
         465563.41    3808441.91        0.17024                       465583.41
3808441.91        0.16826
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 314
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                  INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                  L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                  L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                  L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         465603.41    3808441.91        0.16631                       465623.41
```

3808441.91 0.16418
465643.41 3808441.91 0.16202 465663.41
3808441.91 0.16002
465683.41 3808441.91 0.15806 465703.41
3808441.91 0.15617
465343.41 3808461.91 0.19297 465363.41
3808461.91 0.19093
465383.41 3808461.91 0.18875 465403.41
3808461.91 0.18653
465423.41 3808461.91 0.18428 465443.41
3808461.91 0.18207
465463.41 3808461.91 0.17991 465483.41
3808461.91 0.17777
465503.41 3808461.91 0.17572 465523.41
3808461.91 0.17371
465543.41 3808461.91 0.17169 465563.41
3808461.91 0.16969
465583.41 3808461.91 0.16774 465603.41
3808461.91 0.16581
465623.41 3808461.91 0.16370 465643.41
3808461.91 0.16153
465663.41 3808461.91 0.15941 465683.41
3808461.91 0.15752
465703.41 3808461.91 0.15575 465343.41
3808481.91 0.19167
465363.41 3808481.91 0.18940 465383.41
3808481.91 0.18736
465403.41 3808481.91 0.18538 465423.41
3808481.91 0.18317
465443.41 3808481.91 0.18099 465463.41
3808481.91 0.17885
465483.41 3808481.91 0.17675 465503.41
3808481.91 0.17489
465523.41 3808481.91 0.17310 465543.41
3808481.91 0.17109
465563.41 3808481.91 0.16912 465583.41
3808481.91 0.16718
465603.41 3808481.91 0.16528 465623.41
3808481.91 0.16319
465643.41 3808481.91 0.16105 465663.41
3808481.91 0.15894
465683.41 3808481.91 0.15707 465703.41
3808481.91 0.15529
465463.41 3808501.91 0.17802 465483.41
3808501.91 0.17577
465503.41 3808501.91 0.17391 465523.41
3808501.91 0.17218
465543.41 3808501.91 0.17021 465563.41
3808501.91 0.16838
465583.41 3808501.91 0.16657 465603.41

3808501.91   0.16452
         465623.41   3808501.91   0.16252   465643.41
3808501.91   0.16053
         465663.41   3808501.91   0.15844   465683.41
3808501.91   0.15659
         465703.41   3808501.91   0.15482   465523.41
3808521.91   0.17116
         465543.41   3808521.91   0.16922   465563.41
3808521.91   0.16752
         465583.41   3808521.91   0.16585   465603.41
3808521.91   0.16374
         465623.41   3808521.91   0.16179   465643.41
3808521.91   0.15990
         465663.41   3808521.91   0.15790   465683.41
3808521.91   0.15605
         465703.41   3808521.91   0.15426   464239.31
3809562.31   0.21656
         464277.31   3809562.31   0.21157   463745.31
3809591.37   0.28290
         463783.31   3809591.37   0.27647   463821.31
3809591.37   0.27045
         463859.31   3809591.37   0.26618   463897.31
3809591.37   0.26247
         463935.31   3809591.37   0.25800   464239.31
3809591.37   0.21282
         464277.31   3809591.37   0.20793   463745.31
3809620.43   0.27544
         463783.31   3809620.43   0.26945   463821.31
3809620.43   0.26431

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                  INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                  L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                  L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                  L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463859.31	3809620.43	0.25953	463897.31	3809620.43	0.25565
463935.31	3809620.43	0.25176	463973.31	3809620.43	0.24653
464011.31	3809620.43	0.24084	464049.31	3809620.43	0.23478
464087.31	3809620.43	0.22881	464125.31	3809620.43	0.22353
464163.31	3809620.43	0.21846	464201.31	3809620.43	0.21331
464239.31	3809620.43	0.20896	464277.31	3809620.43	0.20430
463745.31	3809649.49	0.26814	463783.31	3809649.49	0.26320
463821.31	3809649.49	0.25797	463859.31	3809649.49	0.25322
463897.31	3809649.49	0.24911	463935.31	3809649.49	0.24526
463973.31	3809649.49	0.23976	464011.31	3809649.49	0.23491
464049.31	3809649.49	0.22983	464087.31	3809649.49	0.22411
464125.31	3809649.49	0.21939	464163.31	3809649.49	0.21435
464201.31	3809649.49	0.20974	464239.31	3809649.49	0.20538
464277.31	3809649.49	0.20083	464315.31	3809649.49	0.19633
464353.31	3809649.49	0.19237	464391.31	3809649.49	0.18847
464429.31	3809649.49	0.18443	464467.31	3809649.49	0.18065
464505.31	3809649.49	0.17688	463745.31	3809678.55	0.26071
463783.31	3809678.55	0.25615	463821.31	3809678.55	0.25196
463859.31	3809678.55	0.24690	463897.31	3809678.55	0.24284
463935.31	3809678.55	0.23921	463973.31	3809678.55	0.23430
464011.31	3809678.55	0.22927	464049.31	3809678.55	0.22504

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         464087.31    3809678.55        0.22015                        464125.31
3809678.55        0.21535
         464163.31    3809678.55        0.21059                        464201.31
3809678.55        0.20637
         464239.31    3809678.55        0.20173                        464277.31
3809678.55        0.19737
         464315.31    3809678.55        0.19318                        464353.31
3809678.55        0.18943
         464391.31    3809678.55        0.18559                        464429.31
3809678.55        0.18160
         464467.31    3809678.55        0.17804                        464505.31
3809678.55        0.17411
         463745.31    3809707.61        0.25415                        463783.31
3809707.61        0.24954
         463821.31    3809707.61        0.24542                        463859.31
3809707.61        0.24118
         463897.31    3809707.61        0.23689                        463935.31
3809707.61        0.23334
         463973.31    3809707.61        0.22905                        464011.31
3809707.61        0.22437
         464049.31    3809707.61        0.22042                        464087.31
3809707.61        0.21589
         464125.31    3809707.61        0.21143                        464163.31
3809707.61        0.20715
         464201.31    3809707.61        0.20257                        464239.31
3809707.61        0.19831
         464277.31    3809707.61        0.19406                        464315.31
3809707.61        0.19029
         464353.31    3809707.61        0.18619                        464391.31
3809707.61        0.18259
         464429.31    3809707.61        0.17872                        464467.31
3809707.61        0.17518
         464505.31    3809707.61        0.17168                        463745.31
3809736.67        0.24853
         463783.31    3809736.67        0.24336                        463821.31
3809736.67        0.23871
         463859.31    3809736.67        0.23487                        463897.31
3809736.67        0.23110
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                   PAGE 316
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                   INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
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                L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         463935.31    3809736.67        0.22719                       463973.31
3809736.67        0.22386
         464011.31    3809736.67        0.22018                       464049.31
3809736.67        0.21596
         464087.31    3809736.67        0.21210                       464125.31
3809736.67        0.20788
         464163.31    3809736.67        0.20383                       464201.31
3809736.67        0.19919
         464239.31    3809736.67        0.19519                       464277.31
3809736.67        0.19105
         464315.31    3809736.67        0.18708                       464353.31
3809736.67        0.18332
         464391.31    3809736.67        0.17974                       464429.31
3809736.67        0.17599
         464467.31    3809736.67        0.17264                       464505.31
3809736.67        0.16935
         463745.31    3809765.73        0.24331                       463783.31
3809765.73        0.23803
         463821.31    3809765.73        0.23309                       463859.31
3809765.73        0.22901
         463897.31    3809765.73        0.22554                       463935.31
3809765.73        0.22137
         463973.31    3809765.73        0.21759                       464011.31
3809765.73        0.21545
         464049.31    3809765.73        0.21215                       464087.31
3809765.73        0.20825
         464125.31    3809765.73        0.20453                       464163.31
3809765.73        0.20059
         464201.31    3809765.73        0.19608                       464239.31
3809765.73        0.19221
         464277.31    3809765.73        0.18818                       464315.31
3809765.73        0.18417
         464353.31    3809765.73        0.18064                       464391.31
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3809765.73        0.17688
         464429.31    3809765.73        0.17351                        464467.31
3809765.73        0.17033
         464505.31    3809765.73        0.16678                        463745.31
3809794.79        0.23835
         463783.31    3809794.79        0.23267                        463821.31
3809794.79        0.22778
         463859.31    3809794.79        0.22333                        463897.31
3809794.79        0.21976
         463935.31    3809794.79        0.21570                        463973.31
3809794.79        0.21198
         464011.31    3809794.79        0.20975                        464049.31
3809794.79        0.20816
         464087.31    3809794.79        0.20458                        464125.31
3809794.79        0.20080
         464163.31    3809794.79        0.19698                        464201.31
3809794.79        0.19303
         464239.31    3809794.79        0.18899                        464277.31
3809794.79        0.18514
         464315.31    3809794.79        0.18142                        464353.31
3809794.79        0.17769
         464391.31    3809794.79        0.17429                        464429.31
3809794.79        0.17115
         464467.31    3809794.79        0.16772                        464505.31
3809794.79        0.16445
         463745.31    3809823.85        0.23360                        463783.31
3809823.85        0.22762
         463821.31    3809823.85        0.22211                        463859.31
3809823.85        0.21787
         463897.31    3809823.85        0.21403                        463935.31
3809823.85        0.21009
         463973.31    3809823.85        0.20669                        464011.31
3809823.85        0.20411
         464049.31    3809823.85        0.20274                        464087.31
3809823.85        0.20058
         464125.31    3809823.85        0.19736                        464163.31
3809823.85        0.19365
         464201.31    3809823.85        0.18967                        464239.31
3809823.85        0.18597
         464277.31    3809823.85        0.18226                        464315.31
3809823.85        0.17843
         464353.31    3809823.85        0.17496                        464391.31
3809823.85        0.17173
         464429.31    3809823.85        0.16847                        464467.31
3809823.85        0.16528
         464505.31    3809823.85        0.16198                        463745.31
3809852.91        0.22933
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463783.31	3809852.91	0.22342	463821.31	3809852.91	0.21729
463859.31	3809852.91	0.21286	463897.31	3809852.91	0.20861
463935.31	3809852.91	0.20477	463973.31	3809852.91	0.20158
464011.31	3809852.91	0.19884	464049.31	3809852.91	0.19719
464087.31	3809852.91	0.19539	464125.31	3809852.91	0.19291
464163.31	3809852.91	0.18950	464201.31	3809852.91	0.18578
464239.31	3809852.91	0.18245	464277.31	3809852.91	0.17907
464315.31	3809852.91	0.17560	464353.31	3809852.91	0.17215
464391.31	3809852.91	0.16906	464429.31	3809852.91	0.16597
464467.31	3809852.91	0.16278	464505.31	3809852.91	0.15967
463745.31	3809881.97	0.22544	463783.31	3809881.97	0.21931
463821.31	3809881.97	0.21328	463859.31	3809881.97	0.20839

463897.31 3809881.97 0.20376 463935.31
3809881.97 0.19969
463973.31 3809881.97 0.19682 464011.31
3809881.97 0.19415
464049.31 3809881.97 0.19217 464087.31
3809881.97 0.19010
464125.31 3809881.97 0.18784 464163.31
3809881.97 0.18471
464201.31 3809881.97 0.18174 464239.31
3809881.97 0.17853
464277.31 3809881.97 0.17562 464315.31
3809881.97 0.17272
464353.31 3809881.97 0.16949 464391.31
3809881.97 0.16659
464429.31 3809881.97 0.16355 464467.31
3809881.97 0.16040
464505.31 3809881.97 0.15757 463745.31
3809911.03 0.22136
463783.31 3809911.03 0.21509 463821.31
3809911.03 0.20950
463859.31 3809911.03 0.20435 463897.31
3809911.03 0.19965
463935.31 3809911.03 0.19535 463973.31
3809911.03 0.19226
464011.31 3809911.03 0.18962 464049.31
3809911.03 0.18768
464087.31 3809911.03 0.18557 464125.31
3809911.03 0.18329
464163.31 3809911.03 0.18066 464201.31
3809911.03 0.17814
464239.31 3809911.03 0.17513 464277.31
3809911.03 0.17251
464315.31 3809911.03 0.16970 464353.31
3809911.03 0.16684
464391.31 3809911.03 0.16403 464429.31
3809911.03 0.16109
464467.31 3809911.03 0.15828 464505.31
3809911.03 0.15530
463745.31 3809940.09 0.21720 463783.31
3809940.09 0.21101
463821.31 3809940.09 0.20572 463859.31
3809940.09 0.20053
463897.31 3809940.09 0.19594 463935.31
3809940.09 0.19170
463973.31 3809940.09 0.18831 464011.31
3809940.09 0.18517
464049.31 3809940.09 0.18309 464087.31
3809940.09 0.18100
464125.31 3809940.09 0.17892 464163.31
3809940.09 0.17696

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                 INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                  L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                  L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                  L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        464429.31   3809940.09   0.15885   464467.31
3809940.09   0.15599
        464505.31   3809940.09   0.15311   463745.31
3809969.15   0.21427
        463783.31   3809969.15   0.20749   463821.31
3809969.15   0.20198
        463859.31   3809969.15   0.19691   463897.31
3809969.15   0.19235
        463935.31   3809969.15   0.18822   463973.31
3809969.15   0.18479
        464011.31   3809969.15   0.18134   464049.31
3809969.15   0.17866
        464087.31   3809969.15   0.17665   464125.31
3809969.15   0.17496
        464163.31   3809969.15   0.17321   464201.31

3809969.15 0.17159
464239.31 3809969.15 0.16954 464277.31
3809969.15 0.16688
464315.31 3809969.15 0.16438 464353.31
3809969.15 0.16198
464391.31 3809969.15 0.15934 464429.31
3809969.15 0.15660
464467.31 3809969.15 0.15370 464505.31
3809969.15 0.15113
463745.31 3809998.21 0.21274 463783.31
3809998.21 0.20496
463821.31 3809998.21 0.19890 463859.31
3809998.21 0.19365
463897.31 3809998.21 0.18909 463935.31
3809998.21 0.18483
463973.31 3809998.21 0.18135 464011.31
3809998.21 0.17803
464049.31 3809998.21 0.17520 464087.31
3809998.21 0.17299
464125.31 3809998.21 0.17147 464163.31
3809998.21 0.16985
464201.31 3809998.21 0.16825 464239.31
3809998.21 0.16644
464277.31 3809998.21 0.16433 464315.31
3809998.21 0.16184
464353.31 3809998.21 0.15954 464391.31
3809998.21 0.15698
464429.31 3809998.21 0.15427 464467.31
3809998.21 0.15169
464505.31 3809998.21 0.14900 463745.31
3810027.27 0.21136
463783.31 3810027.27 0.20312 463821.31
3810027.27 0.19645
463859.31 3810027.27 0.19089 463897.31
3810027.27 0.18624
463935.31 3810027.27 0.18171 463973.31
3810027.27 0.17824
464011.31 3810027.27 0.17495 464049.31
3810027.27 0.17212
464087.31 3810027.27 0.16960 464125.31
3810027.27 0.16785
464163.31 3810027.27 0.16655 464201.31
3810027.27 0.16510
464239.31 3810027.27 0.16323 464277.31
3810027.27 0.16144
464315.31 3810027.27 0.15937 464353.31
3810027.27 0.15706
464391.31 3810027.27 0.15458 464429.31
3810027.27 0.15214
464467.31 3810027.27 0.14957 464505.31

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                  INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                  L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                  L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                  L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464277.31   3810056.33   0.15842   464315.31
3810056.33   0.15663
         464353.31   3810056.33   0.15478   464391.31
3810056.33   0.15252
         464429.31   3810056.33   0.15004   464467.31
3810056.33   0.14737

```
         464505.31    3810056.33        0.14483                    463745.31
3810085.39        0.20923
         463783.31    3810085.39        0.19998                    463821.31
3810085.39        0.19217
         463859.31    3810085.39        0.18605                    463897.31
3810085.39        0.18093
         463935.31    3810085.39        0.17645                    463973.31
3810085.39        0.17266
         464011.31    3810085.39        0.16909                    464049.31
3810085.39        0.16577
         464087.31    3810085.39        0.16335                    464125.31
3810085.39        0.16126
         464163.31    3810085.39        0.15971                    464201.31
3810085.39        0.15836
         464239.31    3810085.39        0.15708                    464277.31
3810085.39        0.15551
         464315.31    3810085.39        0.15385                    464353.31
3810085.39        0.15208
         464391.31    3810085.39        0.15009                    464429.31
3810085.39        0.14768
         464467.31    3810085.39        0.14518                    464505.31
3810085.39        0.14263
         463745.31    3810114.45        0.20743                    463783.31
3810114.45        0.19900
         463821.31    3810114.45        0.19067                    463859.31
3810114.45        0.18447
         463897.31    3810114.45        0.17883                    463935.31
3810114.45        0.17414
         463973.31    3810114.45        0.17003                    464011.31
3810114.45        0.16640
         464049.31    3810114.45        0.16298                    464087.31
3810114.45        0.16039
         464125.31    3810114.45        0.15810                    464163.31
3810114.45        0.15631
         464201.31    3810114.45        0.15490                    464239.31
3810114.45        0.15397
         464277.31    3810114.45        0.15266                    464315.31
3810114.45        0.15085
         464353.31    3810114.45        0.14895                    464391.31
3810114.45        0.14694
         464429.31    3810114.45        0.14502                    464467.31
3810114.45        0.14259
         464505.31    3810114.45        0.14045                    463745.31
3810143.51        0.20470
         463783.31    3810143.51        0.19719                    463821.31
3810143.51        0.19000
         463859.31    3810143.51        0.18334                    463897.31
3810143.51        0.17679
         463935.31    3810143.51        0.17168                    463973.31
3810143.51        0.16722
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         464011.31    3810143.51        0.16383                       464049.31
3810143.51        0.16037
         464087.31    3810143.51        0.15740                       464125.31
3810143.51        0.15510
         464163.31    3810143.51        0.15328                       464201.31
3810143.51        0.15176
         464239.31    3810143.51        0.15061                       464277.31
3810143.51        0.14975
         464315.31    3810143.51        0.14805                       464353.31
3810143.51        0.14590
         464391.31    3810143.51        0.14413                       464429.31
3810143.51        0.14221
         464467.31    3810143.51        0.14033                       464505.31
3810143.51        0.13834
         464383.78    3807479.29        0.49559                       464355.03
3807405.24        0.49632
         464402.07    3807352.10        0.45714                       464367.23
3807296.35        0.46472
         464358.52    3807237.99        0.45400                       464385.52
3807161.33        0.42157
         463132.27    3810926.37        0.16542                       463237.82
3811199.31        0.14300
         464944.35    3809244.89        0.17207                       465700.32
3809255.46        0.12175
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 320
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                 INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                  L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                  L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                  L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
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Y-COORD (M)        CONC
 - - -
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
462160.55	3809377.75	0.36788	462051.48	3809270.62	0.31593
462014.47	3809029.10	0.29028	462010.58	3808855.75	0.27442
461936.56	3808886.92	0.25264	461936.56	3808997.94	0.26120
461909.30	3808768.10	0.15572	461835.28	3808894.71	0.22471
461845.02	3808995.99	0.23418	461833.33	3809114.80	0.23826
461843.07	3809210.24	0.24529	461809.96	3809297.89	0.23937
461856.71	3809385.54	0.25374	461841.13	3809482.92	0.25069
462004.74	3809379.69	0.30080	461763.22	3808793.43	0.12443
461753.48	3808699.93	0.11216	461835.28	3808686.30	0.11448
461823.60	3808579.17	0.08656	461761.27	3808585.02	0.08005
462301.19	3807807.15	0.11836	462304.78	3807868.16	0.11773
462216.84	3807882.52	0.09871	462116.34	3807886.11	0.08272
462114.55	3807789.20	0.08155	462012.25	3807887.90	0.07033
462008.66	3807975.84	0.07666	461917.14	3807972.25	0.06752
461922.52	3808187.60	0.08384	461908.17	3808288.10	0.08245
461848.94	3808377.83	0.07805	461831.00	3808494.48	0.08112
462421.43	3808393.98	0.23807	462459.11	3808501.66	0.43172
462437.58	3808580.62	0.47246	462654.73	3809189.00	0.83358
462559.49	3809194.32	0.69388	465763.86	3807935.19	0.14654
465819.84	3807935.19	0.14106	465875.82	3807935.19	0.13588
465931.80	3807935.19	0.13102	465987.78	3807935.19	0.12641

```
         466043.76    3807935.19        0.12205                        466099.74
3807935.19        0.11792
         466155.72    3807935.19        0.11401                        466211.70
3807935.19        0.11029
         466267.68    3807935.19        0.10677                        466323.66
3807935.19        0.10336
         466379.64    3807935.19        0.10019                        466435.62
3807935.19        0.09717
         466491.60    3807935.19        0.09429                        466547.58
3807935.19        0.09139
         466603.56    3807935.19        0.08875                        466659.54
3807935.19        0.08623
         466715.52    3807935.19        0.08382                        466771.50
3807935.19        0.08150
         466827.48    3807935.19        0.07922                        466883.46
3807935.19        0.07710
         465763.86    3808001.41        0.15262                        465819.84
3808001.41        0.14679
         465875.82    3808001.41        0.14128                        465931.80
3808001.41        0.13608
         465987.78    3808001.41        0.13128                        466043.76
3808001.41        0.12655
         466099.74    3808001.41        0.12234                        466155.72
3808001.41        0.11820
         466211.70    3808001.41        0.11429                        466267.68
3808001.41        0.11056
         466323.66    3808001.41        0.10701                        466379.64
3808001.41        0.10363
         466435.62    3808001.41        0.10041                        466491.60
3808001.41        0.09735
         466547.58    3808001.41        0.09439                        466603.56
3808001.41        0.09163
         466659.54    3808001.41        0.08899                        466715.52
3808001.41        0.08632
         466771.50    3808001.41        0.08392                        466827.48
3808001.41        0.08160
         466883.46    3808001.41        0.07933                        465763.86
3808067.63        0.15904
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 322
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
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                 L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                 L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                 L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         465819.84    3808067.63        0.15278                       465875.82
3808067.63        0.14694
         465931.80    3808067.63        0.14143                       465987.78
3808067.63        0.13625
         466043.76    3808067.63        0.13136                       466099.74
3808067.63        0.12674
         466155.72    3808067.63        0.12238                       466211.70
3808067.63        0.11823
         466267.68    3808067.63        0.11430                       466323.66
3808067.63        0.11055
         466379.64    3808067.63        0.10699                       466435.62
3808067.63        0.10371
         466491.60    3808067.63        0.10038                       466547.58
3808067.63        0.09731
         466603.56    3808067.63        0.09439                       466659.54
3808067.63        0.09160
         466715.52    3808067.63        0.08897                       466771.50
3808067.63        0.08645
         466827.48    3808067.63        0.08397                       466883.46
3808067.63        0.08157
         465763.86    3808133.85        0.16556                       465819.84
3808133.85        0.15888
         465875.82    3808133.85        0.15264                       465931.80
3808133.85        0.14678
         465987.78    3808133.85        0.14144                       466043.76
3808133.85        0.13621
         466099.74    3808133.85        0.13129                       466155.72
3808133.85        0.12663
         466211.70    3808133.85        0.12223                       466267.68
3808133.85        0.11807
         466323.66    3808133.85        0.11414                       466379.64
3808133.85        0.11043
         466435.62    3808133.85        0.10690                       466491.60
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3808133.85        0.10354
         466547.58    3808133.85        0.10031                    466603.56
3808133.85        0.09726
         466659.54    3808133.85        0.09435                    466715.52
3808133.85        0.09157
         466771.50    3808133.85        0.08881                    466827.48
3808133.85        0.08629
         466883.46    3808133.85        0.08387                    465763.86
3808200.07        0.17202
         465819.84    3808200.07        0.16493                    465875.82
3808200.07        0.15829
         465931.80    3808200.07        0.15224                    465987.78
3808200.07        0.14638
         466043.76    3808200.07        0.14086                    466099.74
3808200.07        0.13566
         466155.72    3808200.07        0.13076                    466211.70
3808200.07        0.12613
         466267.68    3808200.07        0.12176                    466323.66
3808200.07        0.11776
         466379.64    3808200.07        0.11383                    466435.62
3808200.07        0.11010
         466491.60    3808200.07        0.10656                    466547.58
3808200.07        0.10320
         466603.56    3808200.07        0.10000                    466659.54
3808200.07        0.09695
         466715.52    3808200.07        0.09405                    466771.50
3808200.07        0.09126
         466827.48    3808200.07        0.08855                    466883.46
3808200.07        0.08603
         465763.86    3808266.29        0.17800                    465819.84
3808266.29        0.17075
         465875.82    3808266.29        0.16387                    465931.80
3808266.29        0.15729
         465987.78    3808266.29        0.15112                    466043.76
3808266.29        0.14533
         466099.74    3808266.29        0.13987                    466155.72
3808266.29        0.13473
         466211.70    3808266.29        0.12990                    466267.68
3808266.29        0.12540
         466323.66    3808266.29        0.12107                    466379.64
3808266.29        0.11709
         466435.62    3808266.29        0.11321                    466491.60
3808266.29        0.10946
         466547.58    3808266.29        0.10593                    466603.56
3808266.29        0.10258
         466659.54    3808266.29        0.09947                    466715.52
3808266.29        0.09639
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***

INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 , L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 , L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 , L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466771.50	3808266.29	0.09353	466827.48	3808266.29	0.09075
466883.46	3808266.29	0.08812	465763.86	3808332.51	0.18369
465819.84	3808332.51	0.17623	465875.82	3808332.51	0.16888
465931.80	3808332.51	0.16200	465987.78	3808332.51	0.15555
466043.76	3808332.51	0.14949	466099.74	3808332.51	0.14380
466155.72	3808332.51	0.13850	466211.70	3808332.51	0.13345
466267.68	3808332.51	0.12867	466323.66	3808332.51	0.12437
466379.64	3808332.51	0.12008	466435.62	3808332.51	0.11602
466491.60	3808332.51	0.11216	466547.58	3808332.51	0.10850
466603.56	3808332.51	0.10522	466659.54	3808332.51	0.10193
466715.52	3808332.51	0.09878	466771.50	3808332.51	0.09565
466827.48	3808332.51	0.09281	466883.46	3808332.51	0.09010

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         465763.86    3808398.73        0.18883                    465819.84
3808398.73        0.18102
         465875.82    3808398.73        0.17338                    465931.80
3808398.73        0.16625
         465987.78    3808398.73        0.15955                    466043.76
3808398.73        0.15327
         466099.74    3808398.73        0.14749                    466155.72
3808398.73        0.14190
         466211.70    3808398.73        0.13663                    466267.68
3808398.73        0.13194
         466323.66    3808398.73        0.12724                    466379.64
3808398.73        0.12281
         466435.62    3808398.73        0.11872                    466491.60
3808398.73        0.11476
         466547.58    3808398.73        0.11100                    466603.56
3808398.73        0.10746
         466659.54    3808398.73        0.10407                    466715.52
3808398.73        0.10080
         466771.50    3808398.73        0.09772                    466827.48
3808398.73        0.09476
         466883.46    3808398.73        0.09196                    465763.86
3808464.95        0.19329
         465819.84    3808464.95        0.18514                    465875.82
3808464.95        0.17721
         465931.80    3808464.95        0.16989                    465987.78
3808464.95        0.16305
         466043.76    3808464.95        0.15676                    466099.74
3808464.95        0.15064
         466155.72    3808464.95        0.14488                    466211.70
3808464.95        0.13947
         466267.68    3808464.95        0.13459                    466323.66
3808464.95        0.12976
         466379.64    3808464.95        0.12533                    466435.62
3808464.95        0.12102
         466491.60    3808464.95        0.11707                    466547.58
3808464.95        0.11318
         466603.56    3808464.95        0.10950                    466659.54
3808464.95        0.10600
         466715.52    3808464.95        0.10268                    466771.50
3808464.95        0.09953
         466827.48    3808464.95        0.09652                    466883.46
3808464.95        0.09366
         465763.86    3808531.17        0.19717                    465819.84
3808531.17        0.18851
         465875.82    3808531.17        0.18042                    465931.80
3808531.17        0.17286
         465987.78    3808531.17        0.16599                    466043.76
3808531.17        0.15944
         466099.74    3808531.17        0.15330                    466155.72
3808531.17        0.14743
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                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43 ***
                                  INCLUDING SOURCE(S):   L0005092   , L0005093
, L0005094   , L0005095   , L0005096   ,
                  L0005097   , L0005098   , L0005099   , L0005100   , L0005101
, L0005102   , L0005103   , L0005104   ,
                  L0005105   , L0005106   , L0005107   , L0005108   , L0005109
, L0005110   , L0005111   , L0005112   ,
                  L0005113   , L0005114   , L0005115   , L0005116   , L0005117
, L0005118   , L0005119   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        466547.58   3808531.17   0.11503   466603.56
3808531.17   0.11127
        466659.54   3808531.17   0.10770   466715.52
3808531.17   0.10432
        466771.50   3808531.17   0.10108   466827.48
3808531.17   0.09805
        466883.46   3808531.17   0.09513   465763.86
3808597.39   0.19989
        465819.84   3808597.39   0.19146   465875.82
3808597.39   0.18321
        465931.80   3808597.39   0.17526   465987.78
3808597.39   0.16828
        466043.76   3808597.39   0.16179   466099.74
3808597.39   0.15546
        466155.72   3808597.39   0.14956   466211.70

3808597.39 0.14402
466267.68 3808597.39 0.13872 466323.66
3808597.39 0.13391
466379.64 3808597.39 0.12932 466435.62
3808597.39 0.12485
466491.60 3808597.39 0.12069 466547.58
3808597.39 0.11670
466603.56 3808597.39 0.11287 466659.54
3808597.39 0.10924
466715.52 3808597.39 0.10579 466771.50
3808597.39 0.10251
466827.48 3808597.39 0.09939 466883.46
3808597.39 0.09649
465763.86 3808663.61 0.20177 465819.84
3808663.61 0.19339
465875.82 3808663.61 0.18516 465931.80
3808663.61 0.17746
465987.78 3808663.61 0.17026 466043.76
3808663.61 0.16348
466099.74 3808663.61 0.15723 466155.72
3808663.61 0.15121
466211.70 3808663.61 0.14552 466267.68
3808663.61 0.14018
466323.66 3808663.61 0.13540 466379.64
3808663.61 0.13062
466435.62 3808663.61 0.12635 466491.60
3808663.61 0.12205
466547.58 3808663.61 0.11796 466603.56
3808663.61 0.11408
466659.54 3808663.61 0.11040 466715.52
3808663.61 0.10692
466771.50 3808663.61 0.10361 466827.48
3808663.61 0.10059
466883.46 3808663.61 0.09756 465763.86
3808729.83 0.20340
465819.84 3808729.83 0.19512 465875.82
3808729.83 0.18686
465931.80 3808729.83 0.17901 465987.78
3808729.83 0.17168
466043.76 3808729.83 0.16483 466099.74
3808729.83 0.15840
466155.72 3808729.83 0.15235 466211.70
3808729.83 0.14664
466267.68 3808729.83 0.14127 466323.66
3808729.83 0.13647
466379.64 3808729.83 0.13177 466435.62
3808729.83 0.12724
466491.60 3808729.83 0.12306 466547.58
3808729.83 0.11895
466603.56 3808729.83 0.11505 466659.54

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         466659.54    3808796.05        0.11225                    466715.52
3808796.05        0.10878
         466771.50    3808796.05        0.10545                    466827.48
3808796.05        0.10225
         466883.46    3808796.05        0.09930                    465763.86
3808862.27        0.20282
         465819.84    3808862.27        0.19497                    465875.82
3808862.27        0.18740
         465931.80    3808862.27        0.17981                    465987.78
3808862.27        0.17265
         466043.76    3808862.27        0.16591                    466099.74
3808862.27        0.15971
         466155.72    3808862.27        0.15358                    466211.70
3808862.27        0.14793
         466267.68    3808862.27        0.14277                    466323.66
3808862.27        0.13773
         466379.64    3808862.27        0.13304                    466435.62
3808862.27        0.12856
         466491.60    3808862.27        0.12432                    466547.58
3808862.27        0.12030
         466603.56    3808862.27        0.11641                    466659.54
3808862.27        0.11284
         466715.52    3808862.27        0.10931                    466771.50
3808862.27        0.10598
         466827.48    3808862.27        0.10285                    466883.46
3808862.27        0.09985
         465763.86    3808928.49        0.20066                    465819.84
3808928.49        0.19298
         465875.82    3808928.49        0.18595                    465931.80
3808928.49        0.17902
         465987.78    3808928.49        0.17235                    466043.76
3808928.49        0.16608
         466099.74    3808928.49        0.15963                    466155.72
3808928.49        0.15373
         466211.70    3808928.49        0.14816                    466267.68
3808928.49        0.14287
         466323.66    3808928.49        0.13785                    466379.64
3808928.49        0.13309
         466435.62    3808928.49        0.12873                    466491.60
3808928.49        0.12455
         466547.58    3808928.49        0.12051                    466603.56
3808928.49        0.11683
         466659.54    3808928.49        0.11314                    466715.52
3808928.49        0.10970
         466771.50    3808928.49        0.10635                    466827.48
3808928.49        0.10326
         466883.46    3808928.49        0.10022                    465763.86
3808994.71        0.19969
         465819.84    3808994.71        0.19157                    465875.82
3808994.71        0.18441
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```
         465931.80    3808994.71        0.17798                       465987.78
3808994.71        0.17195
         466043.76    3808994.71        0.16556                       466099.74
3808994.71        0.15935
         466155.72    3808994.71        0.15339                       466211.70
3808994.71        0.14792
         466267.68    3808994.71        0.14271                       466323.66
3808994.71        0.13778
         466379.64    3808994.71        0.13310                       466435.62
3808994.71        0.12866
         466491.60    3808994.71        0.12456                       466547.58
3808994.71        0.12072
         466603.56    3808994.71        0.11693                       466659.54
3808994.71        0.11326
         466715.52    3808994.71        0.11000                       466771.50
3808994.71        0.10664
         466827.48    3808994.71        0.10344                       466883.46
3808994.71        0.10051
         465763.86    3809060.93        0.19865                       465819.84
3809060.93        0.19071
         465875.82    3809060.93        0.18360                       465931.80
3809060.93        0.17696
         465987.78    3809060.93        0.17066                       466043.76
3809060.93        0.16466
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 326
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43  ***
                                 INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                  L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                  L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                  L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
```

Y-COORD (M) CONC

- - - -

3809193.37   0.13202
         466435.62   3809193.37   0.12775   466491.60
3809193.37   0.12376
         466547.58   3809193.37   0.11995   466603.56
3809193.37   0.11640
         466659.54   3809193.37   0.11286   466715.52
3809193.37   0.10959
         466771.50   3809193.37   0.10636   466827.48
3809193.37   0.10334
         466883.46   3809193.37   0.10042   465763.86
3809259.59   0.19294
         465819.84   3809259.59   0.18612   465875.82
3809259.59   0.17933
         465931.80   3809259.59   0.17287   465987.78
3809259.59   0.16618
         466043.76   3809259.59   0.15984   466099.74
3809259.59   0.15401
         466155.72   3809259.59   0.14912   466211.70
3809259.59   0.14445
         466267.68   3809259.59   0.13998   466323.66
3809259.59   0.13538
         466379.64   3809259.59   0.13112   466435.62
3809259.59   0.12709
         466491.60   3809259.59   0.12311   466547.58
3809259.59   0.11948
         466603.56   3809259.59   0.11587   466659.54
3809259.59   0.11243
         466715.52   3809259.59   0.10928   466771.50
3809259.59   0.10608
         466827.48   3809259.59   0.10310   466883.46
3809259.59   0.10021
         464503.41   3807141.91   0.12072   464523.41
3807141.91   0.12220

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43 ***
                                INCLUDING SOURCE(S):   L0005092   , L0005093
, L0005094   , L0005095   , L0005096   ,
                L0005097   , L0005098   , L0005099   , L0005100   , L0005101
, L0005102   , L0005103   , L0005104   ,
                L0005105   , L0005106   , L0005107   , L0005108   , L0005109
, L0005110   , L0005111   , L0005112   ,
                L0005113   , L0005114   , L0005115   , L0005116   , L0005117

, L0005118   , L0005119   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464543.41	3807141.91	0.12109	464563.41	3807141.91	0.11943
464583.41	3807141.91	0.12203	464603.41	3807141.91	0.12225
464623.41	3807141.91	0.12178	464643.41	3807141.91	0.12411
464663.41	3807141.91	0.12451	464683.41	3807141.91	0.12444
464703.41	3807141.91	0.12736	464723.41	3807141.91	0.17331
464743.41	3807141.91	0.17092	464763.41	3807141.91	0.17068
464783.41	3807141.91	0.16851	464803.41	3807141.91	0.16653
464823.41	3807141.91	0.16911	464843.41	3807141.91	0.18611
464863.41	3807141.91	0.18362	464883.41	3807141.91	0.18293
464903.41	3807141.91	0.18056	464923.41	3807141.91	0.17823
464503.41	3807161.91	0.12201	464523.41	3807161.91	0.12364
464543.41	3807161.91	0.12261	464563.41	3807161.91	0.12102
464583.41	3807161.91	0.12374	464603.41	3807161.91	0.12645
464623.41	3807161.91	0.12848	464643.41	3807161.91	0.12731
464663.41	3807161.91	0.12909	464683.41	3807161.91	0.13174
464703.41	3807161.91	0.13084	464723.41	3807161.91	0.17575
464743.41	3807161.91	0.17537	464763.41	3807161.91	0.17821
464783.41	3807161.91	0.17628	464803.41	3807161.91	0.17395
464823.41	3807161.91	0.18219	464843.41	3807161.91	0.18861

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         464863.41    3807161.91        0.18786                        464883.41
3807161.91        0.18540
         464903.41    3807161.91        0.18294                        464923.41
3807161.91        0.18053
         464503.41    3807181.91        0.12652                        464523.41
3807181.91        0.12605
         464543.41    3807181.91        0.12602                        464563.41
3807181.91        0.12624
         464583.41    3807181.91        0.12653                        464603.41
3807181.91        0.12890
         464623.41    3807181.91        0.13156                        464643.41
3807181.91        0.12965
         464663.41    3807181.91        0.13177                        464683.41
3807181.91        0.18358
         464703.41    3807181.91        0.18088                        464723.41
3807181.91        0.18088
         464743.41    3807181.91        0.18119                        464763.41
3807181.91        0.18319
         464783.41    3807181.91        0.19934                        464803.41
3807181.91        0.19657
         464823.41    3807181.91        0.19575                        464843.41
3807181.91        0.19306
         464863.41    3807181.91        0.19042                        464883.41
3807181.91        0.18786
         464903.41    3807181.91        0.18535                        464923.41
3807181.91        0.18289
         464503.41    3807201.91        0.13118                        464523.41
3807201.91        0.12850
         464543.41    3807201.91        0.12945                        464563.41
3807201.91        0.13168
         464583.41    3807201.91        0.13055                        464603.41
3807201.91        0.13191
         464623.41    3807201.91        0.13391                        464643.41
3807201.91        0.13316
         464663.41    3807201.91        0.13503                        464683.41
3807201.91        0.18632
         464703.41    3807201.91        0.18590                        464723.41
3807201.91        0.18640
         464743.41    3807201.91        0.20805                        464763.41
3807201.91        0.20505
         464783.41    3807201.91        0.20411                        464803.41
3807201.91        0.20124
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 328
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***

INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 , L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 , L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 , L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464823.41	3807201.91	0.19847	464843.41	3807201.91	0.19573
464863.41	3807201.91	0.19303	464883.41	3807201.91	0.19037
464903.41	3807201.91	0.18780	464923.41	3807201.91	0.18528
464503.41	3807221.91	0.13297	464523.41	3807221.91	0.13036
464543.41	3807221.91	0.13142	464563.41	3807221.91	0.13445
464583.41	3807221.91	0.13728	464603.41	3807221.91	0.13740
464623.41	3807221.91	0.13694	464643.41	3807221.91	0.14041
464663.41	3807221.91	0.14094	464683.41	3807221.91	0.19129
464703.41	3807221.91	0.19424	464723.41	3807221.91	0.19409
464743.41	3807221.91	0.21103	464763.41	3807221.91	0.20796
464783.41	3807221.91	0.20701	464803.41	3807221.91	0.20411
464823.41	3807221.91	0.20121	464843.41	3807221.91	0.19842
464863.41	3807221.91	0.19568	464883.41	3807221.91	0.19295
464903.41	3807221.91	0.19028	464923.41	3807221.91	0.18767
464503.41	3807241.91	0.13539	464523.41		

3807241.91 0.13561
464543.41 3807241.91 0.13592 464563.41 3807241.91 0.13678
464583.41 3807241.91 0.14053 464603.41 3807241.91 0.14045
464623.41 3807241.91 0.13947 464643.41 3807241.91 0.14389
464663.41 3807241.91 0.19761 464683.41 3807241.91 0.19778
464703.41 3807241.91 0.19980 464723.41 3807241.91 0.21729
464743.41 3807241.91 0.21410 464763.41 3807241.91 0.21304
464783.41 3807241.91 0.20997 464803.41 3807241.91 0.20697
464823.41 3807241.91 0.20403 464843.41 3807241.91 0.20115
464863.41 3807241.91 0.19832 464883.41 3807241.91 0.19551
464903.41 3807241.91 0.19279 464923.41 3807241.91 0.19012
464503.41 3807261.91 0.13791 464523.41 3807261.91 0.14096
464543.41 3807261.91 0.14046 464563.41 3807261.91 0.13919
464583.41 3807261.91 0.14303 464603.41 3807261.91 0.14383
464623.41 3807261.91 0.14372 464643.41 3807261.91 0.14691
464663.41 3807261.91 0.20340 464683.41 3807261.91 0.22733
464703.41 3807261.91 0.22386 464723.41 3807261.91 0.22265
464743.41 3807261.91 0.21933 464763.41 3807261.91 0.21614
464783.41 3807261.91 0.21299 464803.41 3807261.91 0.20989
464823.41 3807261.91 0.20689 464843.41 3807261.91 0.20392
464863.41 3807261.91 0.20099 464883.41 3807261.91 0.19811
464903.41 3807261.91 0.19533 464923.41 3807261.91 0.19261
464503.41 3807281.91 0.14020 464523.41 3807281.91 0.14338
464543.41 3807281.91 0.14297 464563.41 3807281.91 0.14175
464583.41 3807281.91 0.14568 464603.41 3807281.91 0.14942
464623.41 3807281.91 0.15230 464643.41

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 ,
L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 ,
L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 ,
L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464663.41	3807281.91	0.20653	464683.41	3807281.91	0.23075
464703.41	3807281.91	0.22719	464723.41	3807281.91	0.22597
464743.41	3807281.91	0.22261	464763.41	3807281.91	0.21927
464783.41	3807281.91	0.21604	464803.41	3807281.91	0.21289
464823.41	3807281.91	0.20976	464843.41	3807281.91	0.20672
464863.41	3807281.91	0.20375	464883.41	3807281.91	0.20079
464903.41	3807281.91	0.19792	464923.41	3807281.91	0.19510
464503.41	3807301.91	0.14669	464523.41	3807301.91	0.14706
464543.41	3807301.91	0.14782	464563.41	3807301.91	0.14874
464583.41	3807301.91	0.14961	464603.41	3807301.91	0.15287

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        464623.41    3807301.91        0.21043                    464643.41
3807301.91        0.20715
        464663.41    3807301.91        0.20976                    464683.41
3807301.91        0.23424
        464703.41    3807301.91        0.23059                    464723.41
3807301.91        0.22931
        464743.41    3807301.91        0.22588                    464763.41
3807301.91        0.22248
        464783.41    3807301.91        0.21915                    464803.41
3807301.91        0.21588
        464823.41    3807301.91        0.21265                    464843.41
3807301.91        0.20953
        464863.41    3807301.91        0.20649                    464883.41
3807301.91        0.20348
        464903.41    3807301.91        0.20051                    464923.41
3807301.91        0.19758
        464503.41    3807321.91        0.15325                    464523.41
3807321.91        0.15077
        464543.41    3807321.91        0.15266                    464563.41
3807321.91        0.15572
        464583.41    3807321.91        0.15354                    464603.41
3807321.91        0.15587
        464623.41    3807321.91        0.21380                    464643.41
3807321.91        0.21047
        464663.41    3807321.91        0.21309                    464683.41
3807321.91        0.23781
        464703.41    3807321.91        0.23636                    464723.41
3807321.91        0.23272
        464743.41    3807321.91        0.22918                    464763.41
3807321.91        0.22573
        464783.41    3807321.91        0.22229                    464803.41
3807321.91        0.21890
        464823.41    3807321.91        0.21559                    464843.41
3807321.91        0.21239
        464863.41    3807321.91        0.20926                    464883.41
3807321.91        0.20616
        464903.41    3807321.91        0.20309                    464923.41
3807321.91        0.20007
        464503.41    3807341.91        0.15620                    464523.41
3807341.91        0.15377
        464543.41    3807341.91        0.15572                    464563.41
3807341.91        0.15884
        464583.41    3807341.91        0.15666                    464603.41
3807341.91        0.15901
        464623.41    3807341.91        0.21729                    464643.41
3807341.91        0.21390
        464663.41    3807341.91        0.21650                    464683.41
3807341.91        0.24381
        464703.41    3807341.91        0.24001                    464723.41
3807341.91        0.23624
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         464743.41    3807341.91        0.23254                       464763.41
3807341.91        0.22899
         464783.41    3807341.91        0.22545                       464803.41
3807341.91        0.22197
         464823.41    3807341.91        0.21861                       464843.41
3807341.91        0.21533
         464863.41    3807341.91        0.21207                       464883.41
3807341.91        0.20885
         464903.41    3807341.91        0.20569                       464923.41
3807341.91        0.20258
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 330
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                  L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                  L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                  L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         464503.41    3807361.91        0.15992                       464523.41
3807361.91        0.16089
         464543.41    3807361.91        0.16179                       464563.41
3807361.91        0.16211
         464583.41    3807361.91        0.15993                       464603.41
3807361.91        0.16228
         464623.41    3807361.91        0.22335                       464643.41
3807361.91        0.22336
         464663.41    3807361.91        0.22321                       464683.41
3807361.91        0.24754
         464703.41    3807361.91        0.24364                       464723.41
```

3807361.91 0.23979
464743.41 3807361.91 0.23601 464763.41
3807361.91 0.23230
464783.41 3807361.91 0.22867 464803.41
3807361.91 0.22512
464823.41 3807361.91 0.22167 464843.41
3807361.91 0.21825
464863.41 3807361.91 0.21488 464883.41
3807361.91 0.21156
464903.41 3807361.91 0.20830 464923.41
3807361.91 0.20510
464503.41 3807381.91 0.16555 464523.41
3807381.91 0.16845
464543.41 3807381.91 0.16787 464563.41
3807381.91 0.16575
464583.41 3807381.91 0.16484 464603.41
3807381.91 0.16681
464623.41 3807381.91 0.22728 464643.41
3807381.91 0.23064
464663.41 3807381.91 0.25556 464683.41
3807381.91 0.25137
464703.41 3807381.91 0.24733 464723.41
3807381.91 0.24339
464743.41 3807381.91 0.23952 464763.41
3807381.91 0.23567
464783.41 3807381.91 0.23194 464803.41
3807381.91 0.22830
464823.41 3807381.91 0.22473 464843.41
3807381.91 0.22118
464863.41 3807381.91 0.21770 464883.41
3807381.91 0.21428
464903.41 3807381.91 0.21092 464923.41
3807381.91 0.20760
464503.41 3807401.91 0.17529 464523.41
3807401.91 0.17365
464543.41 3807401.91 0.17148 464563.41
3807401.91 0.17016
464583.41 3807401.91 0.17393 464603.41
3807401.91 0.17429
464623.41 3807401.91 0.23112 464643.41
3807401.91 0.23445
464663.41 3807401.91 0.25960 464683.41
3807401.91 0.25534
464703.41 3807401.91 0.25109 464723.41
3807401.91 0.24701
464743.41 3807401.91 0.24303 464763.41
3807401.91 0.23913
464783.41 3807401.91 0.23526 464803.41
3807401.91 0.23146
464823.41 3807401.91 0.22778 464843.41

3807401.91   0.22413
         464863.41   3807401.91   0.22054   464883.41
3807401.91   0.21700
         464903.41   3807401.91   0.21354   464923.41
3807401.91   0.21014
         464503.41   3807421.91   0.18042   464523.41
3807421.91   0.17776
         464543.41   3807421.91   0.17781   464563.41
3807421.91   0.17901
         464583.41   3807421.91   0.18009   464603.41
3807421.91   0.23950
         464623.41   3807421.91   0.23923   464643.41
3807421.91   0.24108
         464663.41   3807421.91   0.26367   464683.41
3807421.91   0.25929
         464703.41   3807421.91   0.25496   464723.41
3807421.91   0.25072
         464743.41   3807421.91   0.24657   464763.41
3807421.91   0.24256

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43 ***
                                 INCLUDING SOURCE(S):   L0005092   , L0005093
, L0005094   , L0005095   , L0005096   ,
                 L0005097   , L0005098   , L0005099   , L0005100   , L0005101
, L0005102   , L0005103   , L0005104   ,
                 L0005105   , L0005106   , L0005107   , L0005108   , L0005109
, L0005110   , L0005111   , L0005112   ,
                 L0005113   , L0005114   , L0005115   , L0005116   , L0005117
, L0005118   , L0005119   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464783.41   3807421.91   0.23860   464803.41
3807421.91   0.23470

464823.41 3807421.91 0.23086 464843.41
3807421.91 0.22709
464863.41 3807421.91 0.22338 464883.41
3807421.91 0.21974
464903.41 3807421.91 0.21616 464923.41
3807421.91 0.21265
464503.41 3807441.91 0.18464 464523.41
3807441.91 0.18337
464543.41 3807441.91 0.18531 464563.41
3807441.91 0.24863
464583.41 3807441.91 0.24741 464603.41
3807441.91 0.24734
464623.41 3807441.91 0.27462 464643.41
3807441.91 0.27246
464663.41 3807441.91 0.26780 464683.41
3807441.91 0.26327
464703.41 3807441.91 0.25886 464723.41
3807441.91 0.25448
464743.41 3807441.91 0.25018 464763.41
3807441.91 0.24602
464783.41 3807441.91 0.24196 464803.41
3807441.91 0.23793
464823.41 3807441.91 0.23396 464843.41
3807441.91 0.23007
464863.41 3807441.91 0.22622 464883.41
3807441.91 0.22250
464903.41 3807441.91 0.21880 464923.41
3807441.91 0.21516
464503.41 3807461.91 0.18973 464523.41
3807461.91 0.19364
464543.41 3807461.91 0.19377 464563.41
3807461.91 0.25593
464583.41 3807461.91 0.25897 464603.41
3807461.91 0.25797
464623.41 3807461.91 0.28180 464643.41
3807461.91 0.27691
464663.41 3807461.91 0.27206 464683.41
3807461.91 0.26730
464703.41 3807461.91 0.26275 464723.41
3807461.91 0.25828
464743.41 3807461.91 0.25388 464763.41
3807461.91 0.24953
464783.41 3807461.91 0.24532 464803.41
3807461.91 0.24117
464823.41 3807461.91 0.23708 464843.41
3807461.91 0.23307
464863.41 3807461.91 0.22911 464883.41
3807461.91 0.22528
464903.41 3807461.91 0.22148 464923.41
3807461.91 0.21773

```
         464503.41    3807481.91        0.19420                       464523.41
3807481.91        0.19916
         464543.41    3807481.91        0.26583                       464563.41
3807481.91        0.26522
         464583.41    3807481.91        0.26695                       464603.41
3807481.91        0.29170
         464623.41    3807481.91        0.28646                       464643.41
3807481.91        0.28135
         464663.41    3807481.91        0.27635                       464683.41
3807481.91        0.27148
         464703.41    3807481.91        0.26671                       464723.41
3807481.91        0.26208
         464743.41    3807481.91        0.25756                       464763.41
3807481.91        0.25305
         464783.41    3807481.91        0.24871                       464803.41
3807481.91        0.24443
         464823.41    3807481.91        0.24022                       464843.41
3807481.91        0.23609
         464863.41    3807481.91        0.23201                       464883.41
3807481.91        0.22803
         464903.41    3807481.91        0.22413                       464923.41
3807481.91        0.22031
         464503.41    3807501.91        0.20104                       464523.41
3807501.91        0.21316
         464543.41    3807501.91        0.27480                       464563.41
3807501.91        0.30487
         464583.41    3807501.91        0.30212                       464603.41
3807501.91        0.29658
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                   PAGE 332
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43  ***
                                   INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                  L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                  L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                  L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464623.41	3807501.91	0.29119	464643.41	3807501.91	0.28586
464663.41	3807501.91	0.28071	464683.41	3807501.91	0.27569
464703.41	3807501.91	0.27073	464723.41	3807501.91	0.26593
464743.41	3807501.91	0.26125	464763.41	3807501.91	0.25662
464783.41	3807501.91	0.25213	464803.41	3807501.91	0.24772
464823.41	3807501.91	0.24337	464843.41	3807501.91	0.23912
464863.41	3807501.91	0.23492	464883.41	3807501.91	0.23078
464903.41	3807501.91	0.22679	464923.41	3807501.91	0.22290
464503.41	3807521.91	0.22138	464523.41	3807521.91	0.28823
464543.41	3807521.91	0.28689	464563.41	3807521.91	0.31315
464583.41	3807521.91	0.30732	464603.41	3807521.91	0.30155
464623.41	3807521.91	0.29590	464643.41	3807521.91	0.29049
464663.41	3807521.91	0.28513	464683.41	3807521.91	0.27989
464703.41	3807521.91	0.27484	464723.41	3807521.91	0.26986
464743.41	3807521.91	0.26498	464763.41	3807521.91	0.26026
464783.41	3807521.91	0.25559	464803.41	3807521.91	0.25102
464823.41	3807521.91	0.24653	464843.41	3807521.91	0.24214
464863.41	3807521.91	0.23786	464883.41	3807521.91	0.23360
464903.41	3807521.91	0.22950	464923.41	3807521.91	0.22551
464503.41	3807541.91	0.29602	464523.41	3807541.91	0.29756
464543.41	3807541.91	0.32489	464563.41	3807541.91	0.31863
464583.41	3807541.91	0.31252	464603.41		

3807541.91   0.30657
         464623.41   3807541.91   0.30077   464643.41
3807541.91   0.29511
         464663.41   3807541.91   0.28959   464683.41
3807541.91   0.28421
         464703.41   3807541.91   0.27895   464723.41
3807541.91   0.27382
         464743.41   3807541.91   0.26880   464763.41
3807541.91   0.26388
         464783.41   3807541.91   0.25906   464803.41
3807541.91   0.25435
         464823.41   3807541.91   0.24972   464843.41
3807541.91   0.24518
         464863.41   3807541.91   0.24075   464883.41
3807541.91   0.23642
         464903.41   3807541.91   0.23220   464923.41
3807541.91   0.22806
         464503.41   3807561.91   0.34083   464523.41
3807561.91   0.33729
         464543.41   3807561.91   0.33064   464563.41
3807561.91   0.32419
         464583.41   3807561.91   0.31781   464603.41
3807561.91   0.31167
         464623.41   3807561.91   0.30569   464643.41
3807561.91   0.29979
         464663.41   3807561.91   0.29410   464683.41
3807561.91   0.28856
         464703.41   3807561.91   0.28310   464723.41
3807561.91   0.27781
         464743.41   3807561.91   0.27262   464763.41
3807561.91   0.26752
         464783.41   3807561.91   0.26255   464803.41
3807561.91   0.25770
         464823.41   3807561.91   0.25294   464843.41
3807561.91   0.24824
         464863.41   3807561.91   0.24365   464883.41
3807561.91   0.23927

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43 ***
                                  INCLUDING SOURCE(S):   L0005092   , L0005093
, L0005094   , L0005095   , L0005096   ,
                 L0005097   , L0005098   , L0005099   , L0005100   , L0005101

, L0005102   , L0005103   , L0005104   ,
                L0005105   , L0005106   , L0005107   , L0005108   , L0005109
, L0005110   , L0005111   , L0005112   ,
                L0005113   , L0005114   , L0005115   , L0005116   , L0005117
, L0005118   , L0005119   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464903.41   3807561.91   0.23491   464923.41
3807561.91   0.23063
         464503.41   3807581.91   0.35047   464523.41
3807581.91   0.34345
         464543.41   3807581.91   0.33650   464563.41
3807581.91   0.32973
         464583.41   3807581.91   0.32325   464603.41
3807581.91   0.31685
         464623.41   3807581.91   0.31060   464643.41
3807581.91   0.30460
         464663.41   3807581.91   0.29868   464683.41
3807581.91   0.29290
         464703.41   3807581.91   0.28732   464723.41
3807581.91   0.28182
         464743.41   3807581.91   0.27643   464763.41
3807581.91   0.27118
         464783.41   3807581.91   0.26606   464803.41
3807581.91   0.26104
         464823.41   3807581.91   0.25617   464843.41
3807581.91   0.25136
         464863.41   3807581.91   0.24666   464883.41
3807581.91   0.24216
         464903.41   3807581.91   0.23769   464923.41
3807581.91   0.23329
         464503.41   3807601.91   0.35701   464523.41
3807601.91   0.34974
         464543.41   3807601.91   0.34253   464563.41
3807601.91   0.33547
         464583.41   3807601.91   0.32868   464603.41
3807601.91   0.32208
         464623.41   3807601.91   0.31565   464643.41
3807601.91   0.30939
         464663.41   3807601.91   0.30330   464683.41
3807601.91   0.29735

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         464703.41    3807601.91        0.29153                        464723.41
3807601.91        0.28584
         464743.41    3807601.91        0.28029                        464763.41
3807601.91        0.27488
         464783.41    3807601.91        0.26959                        464803.41
3807601.91        0.26443
         464823.41    3807601.91        0.25938                        464843.41
3807601.91        0.25447
         464863.41    3807601.91        0.24968                        464883.41
3807601.91        0.24500
         464903.41    3807601.91        0.24045                        464923.41
3807601.91        0.23600
         464503.41    3807621.91        0.36369                        464523.41
3807621.91        0.35610
         464543.41    3807621.91        0.34861                        464563.41
3807621.91        0.34129
         464583.41    3807621.91        0.33420                        464603.41
3807621.91        0.32739
         464623.41    3807621.91        0.32077                        464643.41
3807621.91        0.31425
         464663.41    3807621.91        0.30796                        464683.41
3807621.91        0.30180
         464703.41    3807621.91        0.29577                        464723.41
3807621.91        0.28989
         464743.41    3807621.91        0.28418                        464763.41
3807621.91        0.27858
         464783.41    3807621.91        0.27314                        464803.41
3807621.91        0.26784
         464823.41    3807621.91        0.26263                        464843.41
3807621.91        0.25759
         464863.41    3807621.91        0.25270                        464883.41
3807621.91        0.24787
         464903.41    3807621.91        0.24322                        464923.41
3807621.91        0.23871
         464503.41    3807641.91        0.37047                        464523.41
3807641.91        0.36245
         464543.41    3807641.91        0.35464                        464563.41
3807641.91        0.34708
         464583.41    3807641.91        0.33988                        464603.41
3807641.91        0.33278
         464623.41    3807641.91        0.32586                        464643.41
3807641.91        0.31921
         464663.41    3807641.91        0.31266                        464683.41
3807641.91        0.30626
         464703.41    3807641.91        0.30005                        464723.41
3807641.91        0.29400
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 ,
  L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 ,
  L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 ,
  L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464743.41	3807641.91	0.28807	464763.41	3807641.91	0.28235
464783.41	3807641.91	0.27672	464803.41	3807641.91	0.27122
464823.41	3807641.91	0.26596	464843.41	3807641.91	0.26076
464863.41	3807641.91	0.25569	464883.41	3807641.91	0.25084
464903.41	3807641.91	0.24605	464923.41	3807641.91	0.24136
464503.41	3807661.91	0.37739	464523.41	3807661.91	0.36903
464543.41	3807661.91	0.36093	464563.41	3807661.91	0.35308
464583.41	3807661.91	0.34555	464603.41	3807661.91	0.33823
464623.41	3807661.91	0.33112	464643.41	3807661.91	0.32416
464663.41	3807661.91	0.31738	464683.41	3807661.91	0.31078
464703.41	3807661.91	0.30437	464723.41	3807661.91	0.29813
464743.41	3807661.91	0.29204	464763.41	3807661.91	0.28611
464783.41	3807661.91	0.28034	464803.41		

3807661.91 0.27473
464823.41 3807661.91 0.26927 464843.41
3807661.91 0.26397
464863.41 3807661.91 0.25881 464883.41
3807661.91 0.25379
464903.41 3807661.91 0.24891 464923.41
3807661.91 0.24417
464503.41 3807681.91 0.38444 464523.41
3807681.91 0.37577
464543.41 3807681.91 0.36737 464563.41
3807681.91 0.35923
464583.41 3807681.91 0.35133 464603.41
3807681.91 0.34376
464623.41 3807681.91 0.33638 464643.41
3807681.91 0.32917
464663.41 3807681.91 0.32215 464683.41
3807681.91 0.31530
464703.41 3807681.91 0.30868 464723.41
3807681.91 0.30228
464743.41 3807681.91 0.29605 464763.41
3807681.91 0.28992
464783.41 3807681.91 0.28401 464803.41
3807681.91 0.27829
464823.41 3807681.91 0.27264 464843.41
3807681.91 0.26723
464863.41 3807681.91 0.26199 464883.41
3807681.91 0.25680
464903.41 3807681.91 0.25183 464923.41
3807681.91 0.24703
464523.41 3807701.91 0.38256 464543.41
3807701.91 0.37386
464563.41 3807701.91 0.36542 464583.41
3807701.91 0.35726
464603.41 3807701.91 0.34935 464623.41
3807701.91 0.34168
464643.41 3807701.91 0.33421 464663.41
3807701.91 0.32697
464683.41 3807701.91 0.31995 464703.41
3807701.91 0.31304
464723.41 3807701.91 0.30643 464743.41
3807701.91 0.30005
464763.41 3807701.91 0.29385 464783.41
3807701.91 0.28776
464803.41 3807701.91 0.28181 464823.41
3807701.91 0.27616
464843.41 3807701.91 0.27057 464863.41
3807701.91 0.26513
464883.41 3807701.91 0.25996 464903.41
3807701.91 0.25484
464923.41 3807701.91 0.24985 464543.41

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093
, L0005094 , L0005095 , L0005096 ,
L0005097 , L0005098 , L0005099 , L0005100 , L0005101
, L0005102 , L0005103 , L0005104 ,
L0005105 , L0005106 , L0005107 , L0005108 , L0005109
, L0005110 , L0005111 , L0005112 ,
L0005113 , L0005114 , L0005115 , L0005116 , L0005117
, L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464643.41	3807721.91	0.33937	464663.41	3807721.91	0.33186
464683.41	3807721.91	0.32459	464703.41	3807721.91	0.31754
464723.41	3807721.91	0.31077	464743.41	3807721.91	0.30422
464763.41	3807721.91	0.29780	464783.41	3807721.91	0.29157
464803.41	3807721.91	0.28553	464823.41	3807721.91	0.27967
464843.41	3807721.91	0.27399	464863.41	3807721.91	0.26847
464883.41	3807721.91	0.26312	464903.41	3807721.91	0.25792
464923.41	3807721.91	0.25289	464943.41	3807721.91	0.24799

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        464963.41    3807721.91        0.24324                    464983.41
3807721.91        0.23863
        465003.41    3807721.91        0.23415                    465023.41
3807721.91        0.22980
        465043.41    3807721.91        0.22558                    465063.41
3807721.91        0.22146
        465083.41    3807721.91        0.21747                    465103.41
3807721.91        0.21362
        465123.41    3807721.91        0.20998                    465143.41
3807721.91        0.20634
        465163.41    3807721.91        0.20279                    465183.41
3807721.91        0.19944
        465203.41    3807721.91        0.19611                    465223.41
3807721.91        0.19283
        465243.41    3807721.91        0.18962                    465263.41
3807721.91        0.18651
        465283.41    3807721.91        0.18350                    465303.41
3807721.91        0.18066
        465323.41    3807721.91        0.17781                    465343.41
3807721.91        0.17502
        465363.41    3807721.91        0.17239                    465383.41
3807721.91        0.16976
        464543.41    3807741.91        0.38678                    464563.41
3807741.91        0.37788
        464583.41    3807741.91        0.36917                    464603.41
3807741.91        0.36073
        464623.41    3807741.91        0.35257                    464643.41
3807741.91        0.34461
        464663.41    3807741.91        0.33683                    464683.41
3807741.91        0.32932
        464703.41    3807741.91        0.32218                    464723.41
3807741.91        0.31523
        464743.41    3807741.91        0.30848                    464763.41
3807741.91        0.30184
        464783.41    3807741.91        0.29548                    464803.41
3807741.91        0.28934
        464823.41    3807741.91        0.28328                    464843.41
3807741.91        0.27753
        464863.41    3807741.91        0.27197                    464883.41
3807741.91        0.26639
        464903.41    3807741.91        0.26114                    464923.41
3807741.91        0.25608
        464943.41    3807741.91        0.25097                    464963.41
3807741.91        0.24618
        464983.41    3807741.91        0.24157                    465003.41
3807741.91        0.23688
        465023.41    3807741.91        0.23247                    465043.41
3807741.91        0.22822
        465063.41    3807741.91        0.22398                    465083.41
3807741.91        0.21998
```

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 ,
L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 ,
L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 ,
L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465383.41	3807741.91	0.17154	464543.41	3807761.91	0.39281
464563.41	3807761.91	0.38401	464583.41	3807761.91	0.37520
464603.41	3807761.91	0.36654	464623.41	3807761.91	0.35812
464643.41	3807761.91	0.34983	464663.41		

3807761.91 0.34190
464683.41 3807761.91 0.33430 464703.41
3807761.91 0.32696
464723.41 3807761.91 0.31975 464743.41
3807761.91 0.31274
464763.41 3807761.91 0.30608 464783.41
3807761.91 0.29952
464803.41 3807761.91 0.29314 464823.41
3807761.91 0.28710
464843.41 3807761.91 0.28128 464863.41
3807761.91 0.27561
464883.41 3807761.91 0.26992 464903.41
3807761.91 0.26457
464923.41 3807761.91 0.25941 464943.41
3807761.91 0.25421
464963.41 3807761.91 0.24933 464983.41
3807761.91 0.24464
465003.41 3807761.91 0.23988 465023.41
3807761.91 0.23527
465043.41 3807761.91 0.23084 465063.41
3807761.91 0.22670
465083.41 3807761.91 0.22270 465103.41
3807761.91 0.21880
465123.41 3807761.91 0.21481 465143.41
3807761.91 0.21107
465163.41 3807761.91 0.20746 465183.41
3807761.91 0.20379
465203.41 3807761.91 0.20038 465223.41
3807761.91 0.19712
465243.41 3807761.91 0.19392 465263.41
3807761.91 0.19082
465283.41 3807761.91 0.18779 465303.41
3807761.91 0.18466
465323.41 3807761.91 0.18173 465343.41
3807761.91 0.17891
465363.41 3807761.91 0.17601 465383.41
3807761.91 0.17333
464543.41 3807781.91 0.39842 464563.41
3807781.91 0.38969
464583.41 3807781.91 0.38081 464603.41
3807781.91 0.37209
464623.41 3807781.91 0.36357 464643.41
3807781.91 0.35525
464663.41 3807781.91 0.34712 464683.41
3807781.91 0.33924
464703.41 3807781.91 0.33173 464723.41
3807781.91 0.32439
464743.41 3807781.91 0.31726 464763.41
3807781.91 0.31035
464783.41 3807781.91 0.30367 464803.41

3807781.91   0.29724
         464823.41   3807781.91   0.29111   464843.41
3807781.91   0.28509
         464863.41   3807781.91   0.27922   464883.41
3807781.91   0.27355
         464903.41   3807781.91   0.26804   464923.41
3807781.91   0.26271
         464943.41   3807781.91   0.25754   464963.41
3807781.91   0.25253
         464983.41   3807781.91   0.24767   465003.41
3807781.91   0.24296
         465023.41   3807781.91   0.23830   465043.41
3807781.91   0.23376
         465063.41   3807781.91   0.22960   465083.41
3807781.91   0.22545
         465103.41   3807781.91   0.22139   465123.41
3807781.91   0.21744
         465143.41   3807781.91   0.21360   465163.41
3807781.91   0.20987
         465183.41   3807781.91   0.20625   465203.41
3807781.91   0.20282
         465223.41   3807781.91   0.19950   465243.41
3807781.91   0.19615

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
                                 INCLUDING SOURCE(S):   L0005092   , L0005093 , L0005094   , L0005095   , L0005096   ,
                 L0005097   , L0005098   , L0005099   , L0005100   , L0005101 , L0005102   , L0005103   , L0005104   ,
                 L0005105   , L0005106   , L0005107   , L0005108   , L0005109 , L0005110   , L0005111   , L0005112   ,
                 L0005113   , L0005114   , L0005115   , L0005116   , L0005117 , L0005118   , L0005119   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

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         465363.41    3807801.91        0.18026                       465383.41
3807801.91        0.17752
         464543.41    3807821.91        0.40903                       464563.41
3807821.91        0.40001
         464583.41    3807821.91        0.39156                       464603.41
3807821.91        0.38319
         464623.41    3807821.91        0.37485                       464643.41
3807821.91        0.36642
         464663.41    3807821.91        0.35802                       464683.41
3807821.91        0.34982
         464703.41    3807821.91        0.34194                       464723.41
3807821.91        0.33417
         464743.41    3807821.91        0.32662                       464763.41
3807821.91        0.31950
         464783.41    3807821.91        0.31265                       464803.41
3807821.91        0.30600
         464823.41    3807821.91        0.29937                       464843.41
3807821.91        0.29310
         464863.41    3807821.91        0.28706                       464883.41
3807821.91        0.28105
         464903.41    3807821.91        0.27537                       464923.41
3807821.91        0.26990
         464943.41    3807821.91        0.26443                       464963.41
3807821.91        0.25927
         464983.41    3807821.91        0.25431                       465003.41
3807821.91        0.24932
         465023.41    3807821.91        0.24462                       465043.41
3807821.91        0.24010
         465063.41    3807821.91        0.23553                       465083.41
3807821.91        0.23125
         465103.41    3807821.91        0.22712                       465123.41
3807821.91        0.22293
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 338
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43  ***
                                   INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                 L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                 L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                 L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465143.41	3807821.91	0.21901	465163.41	3807821.91	0.21527
465183.41	3807821.91	0.21167	465203.41	3807821.91	0.20800
465223.41	3807821.91	0.20440	465243.41	3807821.91	0.20105
465263.41	3807821.91	0.19782	465283.41	3807821.91	0.19465
465303.41	3807821.91	0.19137	465323.41	3807821.91	0.18831
465343.41	3807821.91	0.18539	465363.41	3807821.91	0.18258
465383.41	3807821.91	0.17969	464543.41	3807841.91	0.41339
464563.41	3807841.91	0.40404	464583.41	3807841.91	0.39632
464603.41	3807841.91	0.38849	464623.41	3807841.91	0.38043
464643.41	3807841.91	0.37190	464663.41	3807841.91	0.36349
464683.41	3807841.91	0.35528	464723.41	3807841.91	0.33934
464743.41	3807841.91	0.33172	464763.41	3807841.91	0.32448
464783.41	3807841.91	0.31739	464803.41	3807841.91	0.31049
464823.41	3807841.91	0.30384	464843.41	3807841.91	0.29739
464863.41	3807841.91	0.29116	464883.41	3807841.91	0.28514
464903.41	3807841.91	0.27930	464923.41	3807841.91	0.27366
464943.41	3807841.91	0.26820	464963.41	3807841.91	0.26290
464983.41	3807841.91	0.25777	465003.41	3807841.91	0.25280
465023.41	3807841.91	0.24798	465043.41	3807841.91	0.24330
465063.41	3807841.91	0.23877	465083.41		

3807841.91 0.23437
  465103.41 3807841.91 0.23009 465123.41
3807841.91 0.22595
  465143.41 3807841.91 0.22192 465163.41
3807841.91 0.21802
  465183.41 3807841.91 0.21436 465203.41
3807841.91 0.21071
  465223.41 3807841.91 0.20712 465243.41
3807841.91 0.20361
  465263.41 3807841.91 0.20029 465283.41
3807841.91 0.19708
  465303.41 3807841.91 0.19386 465323.41
3807841.91 0.19080
  465343.41 3807841.91 0.18784 465363.41
3807841.91 0.18484
  465383.41 3807841.91 0.18193 464503.41
3807861.91 0.44146
  464523.41 3807861.91 0.42911 464543.41
3807861.91 0.41803
  464563.41 3807861.91 0.40819 464583.41
3807861.91 0.40060
  464603.41 3807861.91 0.39325 464723.41
3807861.91 0.34479
  464743.41 3807861.91 0.33712 464763.41
3807861.91 0.32972
  464783.41 3807861.91 0.32237 464803.41
3807861.91 0.31521
  464823.41 3807861.91 0.30850 464843.41
3807861.91 0.30189
  464863.41 3807861.91 0.29546 464883.41
3807861.91 0.28942
  464903.41 3807861.91 0.28343 464923.41
3807861.91 0.27761
  464943.41 3807861.91 0.27214 464963.41
3807861.91 0.26670
  464983.41 3807861.91 0.26141 465003.41
3807861.91 0.25645
  465023.41 3807861.91 0.25150 465043.41
3807861.91 0.24667
  465063.41 3807861.91 0.24215 465083.41
3807861.91 0.23763

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCK43 ***
                                  INCLUDING SOURCE(S):   L0005092   , L0005093
, L0005094   , L0005095   , L0005096   ,
                  L0005097   , L0005098   , L0005099   , L0005100   , L0005101
, L0005102   , L0005103   , L0005104   ,
                  L0005105   , L0005106   , L0005107   , L0005108   , L0005109
, L0005110   , L0005111   , L0005112   ,
                  L0005113   , L0005114   , L0005115   , L0005116   , L0005117
, L0005118   , L0005119   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         464963.41    3807881.91        0.27067                    464983.41
3807881.91        0.26542
         465003.41    3807881.91        0.26013                    465023.41
3807881.91        0.25516
         465043.41    3807881.91        0.25039                    465063.41
3807881.91        0.24556
         465083.41    3807881.91        0.24103                    465103.41
3807881.91        0.23668
         465123.41    3807881.91        0.23225                    465143.41
3807881.91        0.22811
         465163.41    3807881.91        0.22413                    465183.41
3807881.91        0.22006
         465203.41    3807881.91        0.21630                    465223.41
3807881.91        0.21271
         465243.41    3807881.91        0.20919                    465263.41
3807881.91        0.20579
         465283.41    3807881.91        0.20245                    465303.41
3807881.91        0.19899
         465323.41    3807881.91        0.19580                    465343.41
3807881.91        0.19275
         465363.41    3807881.91        0.18975                    465383.41
3807881.91        0.18669
         464723.41    3807901.91        0.35647                    464743.41
3807901.91        0.34872
         464763.41    3807901.91        0.34080                    464783.41
3807901.91        0.33317
         464803.41    3807901.91        0.32578                    464823.41
3807901.91        0.31849
         464843.41    3807901.91        0.31168                    464863.41
3807901.91        0.30516
         464883.41    3807901.91        0.29857                    464903.41
3807901.91        0.29229
         464923.41    3807901.91        0.28629                    464943.41
3807901.91        0.28049
         464963.41    3807901.91        0.27500                    464983.41
3807901.91        0.26967
         465003.41    3807901.91        0.26422                    465023.41
3807901.91        0.25904
         465043.41    3807901.91        0.25408                    465063.41
3807901.91        0.24928
         465083.41    3807901.91        0.24462                    465103.41
3807901.91        0.24009
         465123.41    3807901.91        0.23570                    465143.41
3807901.91        0.23144
         465163.41    3807901.91        0.22729                    465183.41
3807901.91        0.22327
         465203.41    3807901.91        0.21947                    465223.41
3807901.91        0.21580
         465243.41    3807901.91        0.21209                    465263.41
3807901.91        0.20858
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
                                    INCLUDING SOURCE(S):   L0005092   , L0005093 , L0005094   , L0005095   , L0005096   ,
                  L0005097   , L0005098   , L0005099   , L0005100   , L0005101 , L0005102   , L0005103   , L0005104   ,
                  L0005105   , L0005106   , L0005107   , L0005108   , L0005109 , L0005110   , L0005111   , L0005112   ,
                  L0005113   , L0005114   , L0005115   , L0005116   , L0005117 , L0005118   , L0005119   , . . .   ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                                ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3807921.91 0.26309
465043.41 3807921.91 0.25796 465063.41
3807921.91 0.25316
465083.41 3807921.91 0.24836 465103.41
3807921.91 0.24367
465123.41 3807921.91 0.23930 465143.41
3807921.91 0.23490
465163.41 3807921.91 0.23060 465183.41
3807921.91 0.22660
465203.41 3807921.91 0.22275 465223.41
3807921.91 0.21899
465243.41 3807921.91 0.21511 465263.41
3807921.91 0.21146
465283.41 3807921.91 0.20799 465303.41
3807921.91 0.20466
465323.41 3807921.91 0.20125 465343.41
3807921.91 0.19790
465363.41 3807921.91 0.19483 465383.41
3807921.91 0.19179
464723.41 3807941.91 0.36823 464743.41
3807941.91 0.36070
464763.41 3807941.91 0.35290 464783.41
3807941.91 0.34495
464803.41 3807941.91 0.33713 464823.41
3807941.91 0.32981
464843.41 3807941.91 0.32256 464863.41
3807941.91 0.31545
464883.41 3807941.91 0.30853 464903.41
3807941.91 0.30207
464923.41 3807941.91 0.29595 464943.41
3807941.91 0.29007
464963.41 3807941.91 0.28416 464983.41
3807941.91 0.27832
465003.41 3807941.91 0.27261 465023.41
3807941.91 0.26730
465043.41 3807941.91 0.26222 465063.41
3807941.91 0.25706
465083.41 3807941.91 0.25224 465103.41
3807941.91 0.24761
465123.41 3807941.91 0.24289 465143.41
3807941.91 0.23848
465163.41 3807941.91 0.23425 465183.41
3807941.91 0.22992
465203.41 3807941.91 0.22592 465223.41
3807941.91 0.22212
465243.41 3807941.91 0.21838 465263.41
3807941.91 0.21458
465283.41 3807941.91 0.21086 465303.41
3807941.91 0.20746
465323.41 3807941.91 0.20412 465343.41

3807941.91 0.20087
 465363.41 3807941.91 0.19773 465383.41
3807941.91 0.19450
 465403.41 3807941.91 0.19130 465423.41
3807941.91 0.18836
 465443.41 3807941.91 0.18552 465463.41
3807941.91 0.18281
 465483.41 3807941.91 0.18007 465503.41
3807941.91 0.17742

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 ,
 L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 ,
 L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 ,
 L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465523.41	3807941.91	0.17481	465543.41	3807941.91	0.17209
465563.41	3807941.91	0.16955	465583.41	3807941.91	0.16713
465603.41	3807941.91	0.16479	465623.41	3807941.91	0.16237
465643.41	3807941.91	0.15998	465663.41	3807941.91	0.15776
465683.41	3807941.91	0.15549	465703.41	3807941.91	0.15325
464723.41	3807961.91	0.37367	464743.41	3807961.91	0.36678

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        464763.41    3807961.91        0.35922                    464783.41
3807961.91        0.35129
        464803.41    3807961.91        0.34337                    464823.41
3807961.91        0.33571
        464843.41    3807961.91        0.32833                    464863.41
3807961.91        0.32118
        464883.41    3807961.91        0.31408                    464903.41
3807961.91        0.30750
        464923.41    3807961.91        0.30123                    464943.41
3807961.91        0.29499
        464963.41    3807961.91        0.28898                    464983.41
3807961.91        0.28312
        465003.41    3807961.91        0.27728                    465023.41
3807961.91        0.27188
        465043.41    3807961.91        0.26671                    465063.41
3807961.91        0.26137
        465083.41    3807961.91        0.25632                    465103.41
3807961.91        0.25148
        465123.41    3807961.91        0.24680                    465143.41
3807961.91        0.24224
        465163.41    3807961.91        0.23782                    465183.41
3807961.91        0.23353
        465203.41    3807961.91        0.22935                    465223.41
3807961.91        0.22532
        465243.41    3807961.91        0.22155                    465263.41
3807961.91        0.21778
        465283.41    3807961.91        0.21408                    465303.41
3807961.91        0.21061
        465323.41    3807961.91        0.20711                    465343.41
3807961.91        0.20368
        465363.41    3807961.91        0.20048                    465383.41
3807961.91        0.19726
        465403.41    3807961.91        0.19407                    465423.41
3807961.91        0.19095
        465443.41    3807961.91        0.18801                    465463.41
3807961.91        0.18539
        465483.41    3807961.91        0.18249                    465503.41
3807961.91        0.17976
        465523.41    3807961.91        0.17711                    465543.41
3807961.91        0.17443
        465563.41    3807961.91        0.17189                    465583.41
3807961.91        0.16943
        465603.41    3807961.91        0.16692                    465623.41
3807961.91        0.16447
        465643.41    3807961.91        0.16208                    465663.41
3807961.91        0.15974
        465683.41    3807961.91        0.15745                    465703.41
3807961.91        0.15524
        464743.41    3807981.91        0.37286                    464763.41
3807981.91        0.36562
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         464783.41    3807981.91        0.35782                       464803.41
3807981.91        0.34990
         464823.41    3807981.91        0.34182                       464843.41
3807981.91        0.33431
         464863.41    3807981.91        0.32714                       464883.41
3807981.91        0.31985
         464903.41    3807981.91        0.31310                       464923.41
3807981.91        0.30665
         464943.41    3807981.91        0.30015                       464963.41
3807981.91        0.29401
         464983.41    3807981.91        0.28811                       465003.41
3807981.91        0.28220
         465023.41    3807981.91        0.27664                       465043.41
3807981.91        0.27129
         465063.41    3807981.91        0.26590                       465083.41
3807981.91        0.26062
         465103.41    3807981.91        0.25553                       465123.41
3807981.91        0.25093
```



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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43  ***
                                   INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                  L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                  L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                  L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465143.41    3807981.91        0.24620                       465163.41
3807981.91        0.24153
         465183.41    3807981.91        0.23726                       465203.41
```

3807981.91 0.23294
465223.41 3807981.91 0.22873 465243.41
3807981.91 0.22488
465263.41 3807981.91 0.22113 465283.41
3807981.91 0.21747
465303.41 3807981.91 0.21385 465323.41
3807981.91 0.21019
465343.41 3807981.91 0.20660 465363.41
3807981.91 0.20326
465383.41 3807981.91 0.20005 465403.41
3807981.91 0.19690
465423.41 3807981.91 0.19363 465443.41
3807981.91 0.19060
465463.41 3807981.91 0.18802 465483.41
3807981.91 0.18498
465503.41 3807981.91 0.18217 465523.41
3807981.91 0.17949
465543.41 3807981.91 0.17682 465563.41
3807981.91 0.17425
465583.41 3807981.91 0.17172 465603.41
3807981.91 0.16908
465623.41 3807981.91 0.16661 465643.41
3807981.91 0.16422
465663.41 3807981.91 0.16176 465683.41
3807981.91 0.15949
465703.41 3807981.91 0.15731 464763.41
3808001.91 0.37185
464783.41 3808001.91 0.36431 464803.41
3808001.91 0.35645
464823.41 3808001.91 0.34813 464843.41
3808001.91 0.34043
464863.41 3808001.91 0.33306 464883.41
3808001.91 0.32556
464903.41 3808001.91 0.31864 464923.41
3808001.91 0.31208
464943.41 3808001.91 0.30569 464963.41
3808001.91 0.29929
464983.41 3808001.91 0.29305 465003.41
3808001.91 0.28727
465023.41 3808001.91 0.28146 465043.41
3808001.91 0.27578
465063.41 3808001.91 0.27054 465083.41
3808001.91 0.26521
465103.41 3808001.91 0.26000 465123.41
3808001.91 0.25527
465143.41 3808001.91 0.25042 465163.41
3808001.91 0.24559
465183.41 3808001.91 0.24094 465203.41
3808001.91 0.23661
465223.41 3808001.91 0.23251 465243.41

```
3808001.91        0.22856
         465263.41    3808001.91        0.22472                        465283.41
3808001.91        0.22093
         465303.41    3808001.91        0.21699                        465323.41
3808001.91        0.21332
         465343.41    3808001.91        0.20980                        465363.41
3808001.91        0.20616
         465383.41    3808001.91        0.20281                        465403.41
3808001.91        0.19963
         465423.41    3808001.91        0.19649                        465443.41
3808001.91        0.19346
         465463.41    3808001.91        0.19057                        465483.41
3808001.91        0.18765
         465503.41    3808001.91        0.18483                        465523.41
3808001.91        0.18206
         465543.41    3808001.91        0.17915                        465563.41
3808001.91        0.17647
         465583.41    3808001.91        0.17392                        465603.41
3808001.91        0.17140
         465623.41    3808001.91        0.16882                        465643.41
3808001.91        0.16627
         465663.41    3808001.91        0.16392                        465683.41
3808001.91        0.16165
         465703.41    3808001.91        0.15940                        464763.41
3808021.91        0.37747
         464783.41    3808021.91        0.37005                        464803.41
3808021.91        0.36252
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
                                    INCLUDING SOURCE(S):   L0005092   , L0005093 , L0005094   , L0005095   , L0005096   ,
                 L0005097   , L0005098   , L0005099   , L0005100   , L0005101 , L0005102   , L0005103   , L0005104   ,
                 L0005105   , L0005106   , L0005107   , L0005108   , L0005109 , L0005110   , L0005111   , L0005112   ,
                 L0005113   , L0005114   , L0005115   , L0005116   , L0005117 , L0005118   , L0005119   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464823.41	3808021.91	0.35453	464843.41	3808021.91	0.34680
464863.41	3808021.91	0.33927	464883.41	3808021.91	0.33182
464903.41	3808021.91	0.32460	464923.41	3808021.91	0.31767
464943.41	3808021.91	0.31117	464963.41	3808021.91	0.30474
464983.41	3808021.91	0.29844	465003.41	3808021.91	0.29232
465023.41	3808021.91	0.28642	465043.41	3808021.91	0.28071
465063.41	3808021.91	0.27515	465083.41	3808021.91	0.26978
465103.41	3808021.91	0.26457	465123.41	3808021.91	0.25951
465143.41	3808021.91	0.25460	465163.41	3808021.91	0.24982
465183.41	3808021.91	0.24499	465203.41	3808021.91	0.24057
465223.41	3808021.91	0.23637	465243.41	3808021.91	0.23212
465263.41	3808021.91	0.22812	465283.41	3808021.91	0.22427
465303.41	3808021.91	0.22037	465323.41	3808021.91	0.21657
465343.41	3808021.91	0.21287	465363.41	3808021.91	0.20928
465383.41	3808021.91	0.20590	465403.41	3808021.91	0.20262
465423.41	3808021.91	0.19928	465443.41	3808021.91	0.19614
465463.41	3808021.91	0.19334	465483.41	3808021.91	0.19025
465503.41	3808021.91	0.18733	465523.41	3808021.91	0.18451
465543.41	3808021.91	0.18165	465563.41	3808021.91	0.17885
465583.41	3808021.91	0.17614	465603.41	3808021.91	0.17360
465623.41	3808021.91	0.17104	465643.41	3808021.91	0.16852
465663.41	3808021.91	0.16616	465683.41	3808021.91	0.16376

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         465703.41    3808021.91        0.16138                        464783.41
3808041.91        0.37589
         464803.41    3808041.91        0.36858                        464823.41
3808041.91        0.36099
         464843.41    3808041.91        0.35331                        464863.41
3808041.91        0.34572
         464883.41    3808041.91        0.33829                        464903.41
3808041.91        0.33085
         464923.41    3808041.91        0.32359                        464943.41
3808041.91        0.31691
         464963.41    3808041.91        0.31045                        464983.41
3808041.91        0.30412
         465003.41    3808041.91        0.29761                        465023.41
3808041.91        0.29155
         465043.41    3808041.91        0.28576                        465063.41
3808041.91        0.27993
         465083.41    3808041.91        0.27445                        465103.41
3808041.91        0.26918
         465123.41    3808041.91        0.26386                        465143.41
3808041.91        0.25887
         465163.41    3808041.91        0.25406                        465183.41
3808041.91        0.24920
         465203.41    3808041.91        0.24463                        465223.41
3808041.91        0.24024
         465243.41    3808041.91        0.23577                        465263.41
3808041.91        0.23158
         465283.41    3808041.91        0.22760                        465303.41
3808041.91        0.22379
         465323.41    3808041.91        0.21989                        465343.41
3808041.91        0.21603
         465363.41    3808041.91        0.21246                        465383.41
3808041.91        0.20901
         465403.41    3808041.91        0.20564                        465423.41
3808041.91        0.20214
         465443.41    3808041.91        0.19889                        465463.41
3808041.91        0.19615
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 344
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43  ***
                                   INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                 L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
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                L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465483.41    3808041.91        0.19289                       465503.41
3808041.91        0.18985
         465523.41    3808041.91        0.18695                       465543.41
3808041.91        0.18416
         465563.41    3808041.91        0.18128                       465583.41
3808041.91        0.17845
         465603.41    3808041.91        0.17586                       465623.41
3808041.91        0.17333
         465643.41    3808041.91        0.17085                       465663.41
3808041.91        0.16838
         465683.41    3808041.91        0.16587                       465703.41
3808041.91        0.16340
         464803.41    3808061.91        0.37510                       464823.41
3808061.91        0.36738
         464843.41    3808061.91        0.35981                       464863.41
3808061.91        0.35235
         464883.41    3808061.91        0.34471                       464903.41
3808061.91        0.33727
         464923.41    3808061.91        0.33009                       464943.41
3808061.91        0.32320
         464963.41    3808061.91        0.31654                       464983.41
3808061.91        0.31002
         465003.41    3808061.91        0.30331                       465023.41
3808061.91        0.29687
         465043.41    3808061.91        0.29070                       465063.41
3808061.91        0.28502
         465083.41    3808061.91        0.27928                       465103.41
3808061.91        0.27367
         465123.41    3808061.91        0.26850                       465143.41
3808061.91        0.26327
         465163.41    3808061.91        0.25815                       465183.41
3808061.91        0.25344
         465203.41    3808061.91        0.24865                       465223.41
3808061.91        0.24397
         465243.41    3808061.91        0.23965                       465263.41
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3808061.91        0.23527
         465283.41    3808061.91        0.23098                       465303.41
3808061.91        0.22707
         465323.41    3808061.91        0.22324                       465343.41
3808061.91        0.21945
         465363.41    3808061.91        0.21554                       465383.41
3808061.91        0.21195
         465403.41    3808061.91        0.20853                       465423.41
3808061.91        0.20517
         465443.41    3808061.91        0.20192                       465463.41
3808061.91        0.19883
         465483.41    3808061.91        0.19571                       465503.41
3808061.91        0.19252
         465523.41    3808061.91        0.18939                       465543.41
3808061.91        0.18654
         465563.41    3808061.91        0.18373                       465583.41
3808061.91        0.18099
         465603.41    3808061.91        0.17834                       465623.41
3808061.91        0.17575
         465643.41    3808061.91        0.17318                       465663.41
3808061.91        0.17049
         465683.41    3808061.91        0.16799                       465703.41
3808061.91        0.16561
         464823.41    3808081.91        0.37447                       464843.41
3808081.91        0.36653
         464863.41    3808081.91        0.35872                       464883.41
3808081.91        0.35119
         464903.41    3808081.91        0.34391                       464923.41
3808081.91        0.33679
         464943.41    3808081.91        0.32968                       464963.41
3808081.91        0.32263
         464983.41    3808081.91        0.31574                       465003.41
3808081.91        0.30910
         465023.41    3808081.91        0.30250                       465043.41
3808081.91        0.29611
         465063.41    3808081.91        0.29032                       465083.41
3808081.91        0.28439
         465103.41    3808081.91        0.27854                       465123.41
3808081.91        0.27305
         465143.41    3808081.91        0.26773                       465163.41
3808081.91        0.26259
         465183.41    3808081.91        0.25758                       465203.41
3808081.91        0.25272
         465223.41    3808081.91        0.24802                       465243.41
3808081.91        0.24343
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 , L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 , L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 , L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465263.41	3808081.91	0.23899	465283.41	3808081.91	0.23471
465303.41	3808081.91	0.23071	465323.41	3808081.91	0.22667
465343.41	3808081.91	0.22269	465363.41	3808081.91	0.21884
465383.41	3808081.91	0.21520	465403.41	3808081.91	0.21168
465423.41	3808081.91	0.20810	465443.41	3808081.91	0.20473
465463.41	3808081.91	0.20173	465483.41	3808081.91	0.19842
465503.41	3808081.91	0.19520	465523.41	3808081.91	0.19206
465543.41	3808081.91	0.18899	465563.41	3808081.91	0.18611
465583.41	3808081.91	0.18333	465603.41	3808081.91	0.18063
465623.41	3808081.91	0.17799	465643.41	3808081.91	0.17538
465663.41	3808081.91	0.17273	465683.41	3808081.91	0.17024
465703.41	3808081.91	0.16781	464843.41	3808101.91	0.37347
464863.41	3808101.91	0.36546	464883.41	3808101.91	0.35803

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         464903.41    3808101.91        0.35073                    464923.41
3808101.91        0.34352
         464943.41    3808101.91        0.33618                    464963.41
3808101.91        0.32882
         464983.41    3808101.91        0.32162                    465003.41
3808101.91        0.31492
         465023.41    3808101.91        0.30823                    465043.41
3808101.91        0.30171
         465063.41    3808101.91        0.29565                    465083.41
3808101.91        0.28952
         465103.41    3808101.91        0.28348                    465123.41
3808101.91        0.27770
         465143.41    3808101.91        0.27234                    465163.41
3808101.91        0.26719
         465183.41    3808101.91        0.26183                    465203.41
3808101.91        0.25686
         465223.41    3808101.91        0.25210                    465243.41
3808101.91        0.24728
         465263.41    3808101.91        0.24282                    465283.41
3808101.91        0.23857
         465303.41    3808101.91        0.23439                    465323.41
3808101.91        0.23015
         465343.41    3808101.91        0.22600                    465363.41
3808101.91        0.22215
         465383.41    3808101.91        0.21846                    465403.41
3808101.91        0.21483
         465423.41    3808101.91        0.21107                    465443.41
3808101.91        0.20759
         465463.41    3808101.91        0.20465                    465483.41
3808101.91        0.20116
         465503.41    3808101.91        0.19790                    465523.41
3808101.91        0.19475
         465543.41    3808101.91        0.19152                    465563.41
3808101.91        0.18854
         465583.41    3808101.91        0.18571                    465603.41
3808101.91        0.18295
         465623.41    3808101.91        0.18025                    465643.41
3808101.91        0.17761
         465663.41    3808101.91        0.17498                    465683.41
3808101.91        0.17245
         465703.41    3808101.91        0.16996                    464863.41
3808121.91        0.37328
         464883.41    3808121.91        0.36558                    464903.41
3808121.91        0.35775
         464923.41    3808121.91        0.35000                    464943.41
3808121.91        0.34244
         464963.41    3808121.91        0.33508                    464983.41
3808121.91        0.32790
         465003.41    3808121.91        0.32063                    465023.41
3808121.91        0.31386
```

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43 ***
                                  INCLUDING SOURCE(S):   L0005092   , L0005093
, L0005094   , L0005095   , L0005096   ,
                  L0005097   , L0005098   , L0005099   , L0005100   , L0005101
, L0005102   , L0005103   , L0005104   ,
                  L0005105   , L0005106   , L0005107   , L0005108   , L0005109
, L0005110   , L0005111   , L0005112   ,
                  L0005113   , L0005114   , L0005115   , L0005116   , L0005117
, L0005118   , L0005119   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        465123.41   3808121.91   0.28260   465143.41
3808121.91   0.27720
        465163.41   3808121.91   0.27190   465183.41
3808121.91   0.26638
        465203.41   3808121.91   0.26107   465223.41
3808121.91   0.25600
        465243.41   3808121.91   0.25134   465263.41
3808121.91   0.24685
        465283.41   3808121.91   0.24245   465303.41
3808121.91   0.23787
        465323.41   3808121.91   0.23363   465343.41
3808121.91   0.22955
        465363.41   3808121.91   0.22534   465383.41
3808121.91   0.22148
        465403.41   3808121.91   0.21781   465423.41
3808121.91   0.21420
        465443.41   3808121.91   0.21072   465463.41

3808121.91 0.20740
465483.41 3808121.91 0.20406 465503.41
3808121.91 0.20064
465523.41 3808121.91 0.19729 465543.41
3808121.91 0.19420
465563.41 3808121.91 0.19121 465583.41
3808121.91 0.18832
465603.41 3808121.91 0.18549 465623.41
3808121.91 0.18273
465643.41 3808121.91 0.17999 465663.41
3808121.91 0.17713
465683.41 3808121.91 0.17449 465703.41
3808121.91 0.17198
464883.41 3808141.91 0.37263 464903.41
3808141.91 0.36485
464923.41 3808141.91 0.35704 464943.41
3808141.91 0.34923
464963.41 3808141.91 0.34170 464983.41
3808141.91 0.33433
465003.41 3808141.91 0.32676 465023.41
3808141.91 0.31981
465043.41 3808141.91 0.31317 465063.41
3808141.91 0.30632
465083.41 3808141.91 0.29969 465103.41
3808141.91 0.29337
465123.41 3808141.91 0.28765 465143.41
3808141.91 0.28194
465163.41 3808141.91 0.27633 465183.41
3808141.91 0.27091
465203.41 3808141.91 0.26549 465223.41
3808141.91 0.26024
465243.41 3808141.91 0.25551 465263.41
3808141.91 0.25077
465283.41 3808141.91 0.24609 465303.41
3808141.91 0.24157
465323.41 3808141.91 0.23716 465343.41
3808141.91 0.23288
465363.41 3808141.91 0.22872 465383.41
3808141.91 0.22481
465403.41 3808141.91 0.22103 465423.41
3808141.91 0.21719
465443.41 3808141.91 0.21358 465463.41
3808141.91 0.21013
465483.41 3808141.91 0.20676 465503.41
3808141.91 0.20337
465523.41 3808141.91 0.20001 465543.41
3808141.91 0.19673
465563.41 3808141.91 0.19365 465583.41
3808141.91 0.19069
465603.41 3808141.91 0.18780 465623.41

3808141.91   0.18499
         465643.41   3808141.91   0.18221   465663.41
3808141.91   0.17939
         465683.41   3808141.91   0.17663   465703.41
3808141.91   0.17396
         464883.41   3808161.91   0.37958   464903.41
3808161.91   0.37193
         464923.41   3808161.91   0.36411   464943.41
3808161.91   0.35605
         464963.41   3808161.91   0.34828   464983.41
3808161.91   0.34069
         465003.41   3808161.91   0.33301   465023.41
3808161.91   0.32580

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43 ***
                                 INCLUDING SOURCE(S):   L0005092   , L0005093
, L0005094   , L0005095   , L0005096   ,
                 L0005097   , L0005098   , L0005099   , L0005100   , L0005101
, L0005102   , L0005103   , L0005104   ,
                 L0005105   , L0005106   , L0005107   , L0005108   , L0005109
, L0005110   , L0005111   , L0005112   ,
                 L0005113   , L0005114   , L0005115   , L0005116   , L0005117
, L0005118   , L0005119   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465043.41   3808161.91   0.31887   465063.41
3808161.91   0.31182
         465083.41   3808161.91   0.30507   465103.41
3808161.91   0.29863
         465123.41   3808161.91   0.29264   465143.41
3808161.91   0.28664
         465163.41   3808161.91   0.28079   465183.41
3808161.91   0.27536

```
        465203.41    3808161.91        0.26990                    465223.41
3808161.91        0.26457
        465243.41    3808161.91        0.25963                    465263.41
3808161.91        0.25464
        465283.41    3808161.91        0.24977                    465303.41
3808161.91        0.24526
        465323.41    3808161.91        0.24069                    465343.41
3808161.91        0.23623
        465363.41    3808161.91        0.23209                    465383.41
3808161.91        0.22812
        465403.41    3808161.91        0.22423                    465423.41
3808161.91        0.22019
        465443.41    3808161.91        0.21646                    465463.41
3808161.91        0.21292
        465483.41    3808161.91        0.20941                    465503.41
3808161.91        0.20604
        465523.41    3808161.91        0.20272                    465543.41
3808161.91        0.19927
        465563.41    3808161.91        0.19609                    465583.41
3808161.91        0.19307
        465603.41    3808161.91        0.19013                    465623.41
3808161.91        0.18721
        465643.41    3808161.91        0.18436                    465663.41
3808161.91        0.18163
        465683.41    3808161.91        0.17880                    465703.41
3808161.91        0.17600
        464903.41    3808181.91        0.37883                    464923.41
3808181.91        0.37080
        464943.41    3808181.91        0.36250                    464963.41
3808181.91        0.35449
        464983.41    3808181.91        0.34674                    465003.41
3808181.91        0.33920
        465023.41    3808181.91        0.33164                    465043.41
3808181.91        0.32421
        465063.41    3808181.91        0.31695                    465083.41
3808181.91        0.31026
        465103.41    3808181.91        0.30386                    465123.41
3808181.91        0.29736
        465143.41    3808181.91        0.29132                    465163.41
3808181.91        0.28553
        465183.41    3808181.91        0.27962                    465203.41
3808181.91        0.27413
        465223.41    3808181.91        0.26887                    465243.41
3808181.91        0.26348
        465263.41    3808181.91        0.25848                    465283.41
3808181.91        0.25368
        465303.41    3808181.91        0.24876                    465323.41
3808181.91        0.24419
        465343.41    3808181.91        0.23980                    465363.41
3808181.91        0.23528
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         465383.41    3808181.91        0.23114                      465403.41
3808181.91        0.22720
         465423.41    3808181.91        0.22333                      465443.41
3808181.91        0.21960
         465463.41    3808181.91        0.21593                      465483.41
3808181.91        0.21210
         465503.41    3808181.91        0.20858                      465523.41
3808181.91        0.20524
         465543.41    3808181.91        0.20194                      465563.41
3808181.91        0.19876
         465583.41    3808181.91        0.19567                      465603.41
3808181.91        0.19266
         465623.41    3808181.91        0.18955                      465643.41
3808181.91        0.18647
         465663.41    3808181.91        0.18368                      465683.41
3808181.91        0.18093
         465703.41    3808181.91        0.17820                      464923.41
3808201.91        0.37696
         464943.41    3808201.91        0.36879                      464963.41
3808201.91        0.36067
         464983.41    3808201.91        0.35271                      465003.41
3808201.91        0.34504
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 348
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                  L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                  L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                  L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - -

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3808221.91        0.27685
         465243.41    3808221.91        0.27152                        465263.41
3808221.91        0.26615
         465283.41    3808221.91        0.26092                        465303.41
3808221.91        0.25607
         465323.41    3808221.91        0.25117                        465343.41
3808221.91        0.24638
         465363.41    3808221.91        0.24195                        465383.41
3808221.91        0.23747
         465403.41    3808221.91        0.23309                        465423.41
3808221.91        0.22911
         465443.41    3808221.91        0.22524                        465463.41
3808221.91        0.22147
         465483.41    3808221.91        0.21780                        465503.41
3808221.91        0.21418
         465523.41    3808221.91        0.21064                        465543.41
3808221.91        0.20725
         465563.41    3808221.91        0.20376                        465583.41
3808221.91        0.20033
         465603.41    3808221.91        0.19720                        465623.41
3808221.91        0.19410
         465643.41    3808221.91        0.19108                        465663.41
3808221.91        0.18818
         465683.41    3808221.91        0.18518                        465703.41
3808221.91        0.18222
         464963.41    3808241.91        0.37279                        464983.41
3808241.91        0.36440
         465003.41    3808241.91        0.35631                        465023.41
3808241.91        0.34843
         465043.41    3808241.91        0.34074                        465063.41
3808241.91        0.33295
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 349
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43  ***
                                   INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465083.41	3808241.91	0.32537	465103.41	3808241.91	0.31813
465123.41	3808241.91	0.31161	465143.41	3808241.91	0.30523
465163.41	3808241.91	0.29898	465183.41	3808241.91	0.29261
465203.41	3808241.91	0.28670	465223.41	3808241.91	0.28104
465243.41	3808241.91	0.27525	465263.41	3808241.91	0.26988
465283.41	3808241.91	0.26473	465303.41	3808241.91	0.25945
465323.41	3808241.91	0.25456	465343.41	3808241.91	0.24986
465363.41	3808241.91	0.24503	465383.41	3808241.91	0.24056
465403.41	3808241.91	0.23633	465423.41	3808241.91	0.23226
465443.41	3808241.91	0.22829	465463.41	3808241.91	0.22444
465483.41	3808241.91	0.22069	465503.41	3808241.91	0.21682
465523.41	3808241.91	0.21302	465543.41	3808241.91	0.20957
465563.41	3808241.91	0.20617	465583.41	3808241.91	0.20285
465603.41	3808241.91	0.19966	465623.41	3808241.91	0.19636
465643.41	3808241.91	0.19310	465663.41	3808241.91	0.19015
465683.41	3808241.91	0.18724	465703.41	3808241.91	0.18435
464983.41	3808261.91	0.36898	465003.41	3808261.91	0.36109
465023.41	3808261.91	0.35323	465043.41	3808261.91	0.34547
465063.41	3808261.91	0.33774	465083.41	3808261.91	0.33028
465103.41	3808261.91	0.32306	465123.41	3808261.91	0.31606

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         465143.41    3808261.91        0.30950                      465163.41
3808261.91        0.30320
         465183.41    3808261.91        0.29690                      465203.41
3808261.91        0.29078
         465223.41    3808261.91        0.28486                      465243.41
3808261.91        0.27914
         465263.41    3808261.91        0.27376                      465283.41
3808261.91        0.26853
         465303.41    3808261.91        0.26307                      465323.41
3808261.91        0.25792
         465343.41    3808261.91        0.25301                      465363.41
3808261.91        0.24826
         465383.41    3808261.91        0.24363                      465403.41
3808261.91        0.23917
         465423.41    3808261.91        0.23502                      465443.41
3808261.91        0.23098
         465463.41    3808261.91        0.22706                      465483.41
3808261.91        0.22324
         465503.41    3808261.91        0.21940                      465523.41
3808261.91        0.21563
         465543.41    3808261.91        0.21211                      465563.41
3808261.91        0.20856
         465583.41    3808261.91        0.20507                      465603.41
3808261.91        0.20182
         465623.41    3808261.91        0.19855                      465643.41
3808261.91        0.19531
         465663.41    3808261.91        0.19213                      465683.41
3808261.91        0.18915
         465703.41    3808261.91        0.18627                      465003.41
3808281.91        0.36555
         465023.41    3808281.91        0.35770                      465043.41
3808281.91        0.34993
         465063.41    3808281.91        0.34221                      465083.41
3808281.91        0.33492
         465103.41    3808281.91        0.32785                      465123.41
3808281.91        0.32053
         465143.41    3808281.91        0.31377                      465163.41
3808281.91        0.30736
         465183.41    3808281.91        0.30107                      465203.41
3808281.91        0.29476
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 350
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43  ***
```

INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 , L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 , L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 , L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465223.41	3808281.91	0.28863	465243.41	3808281.91	0.28303
465263.41	3808281.91	0.27754	465283.41	3808281.91	0.27212
465303.41	3808281.91	0.26654	465323.41	3808281.91	0.26120
465343.41	3808281.91	0.25610	465363.41	3808281.91	0.25139
465383.41	3808281.91	0.24662	465403.41	3808281.91	0.24196
465423.41	3808281.91	0.23765	465443.41	3808281.91	0.23351
465463.41	3808281.91	0.22964	465483.41	3808281.91	0.22575
465503.41	3808281.91	0.22196	465523.41	3808281.91	0.21826
465543.41	3808281.91	0.21460	465563.41	3808281.91	0.21089
465583.41	3808281.91	0.20726	465603.41	3808281.91	0.20396
465623.41	3808281.91	0.20069	465643.41	3808281.91	0.19745
465663.41	3808281.91	0.19413	465683.41	3808281.91	0.19103
465703.41	3808281.91	0.18808	465003.41	3808301.91	0.36997
465023.41	3808301.91	0.36216	465043.41	3808301.91	0.35455
465063.41	3808301.91	0.34620	465083.41	3808301.91	0.33894
465103.41	3808301.91	0.33217	465123.41		

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3808301.91        0.32510
         465143.41    3808301.91        0.31832                    465163.41
3808301.91        0.31170
         465183.41    3808301.91        0.30489                    465203.41
3808301.91        0.29858
         465223.41    3808301.91        0.29262                    465243.41
3808301.91        0.28691
         465263.41    3808301.91        0.28107                    465283.41
3808301.91        0.27526
         465303.41    3808301.91        0.26958                    465323.41
3808301.91        0.26435
         465343.41    3808301.91        0.25937                    465363.41
3808301.91        0.25424
         465383.41    3808301.91        0.24950                    465403.41
3808301.91        0.24495
         465423.41    3808301.91        0.24026                    465443.41
3808301.91        0.23596
         465463.41    3808301.91        0.23244                    465483.41
3808301.91        0.22847
         465503.41    3808301.91        0.22461                    465523.41
3808301.91        0.22080
         465543.41    3808301.91        0.21683                    465563.41
3808301.91        0.21314
         465583.41    3808301.91        0.20965                    465603.41
3808301.91        0.20628
         465623.41    3808301.91        0.20280                    465643.41
3808301.91        0.19937
         465663.41    3808301.91        0.19621                    465683.41
3808301.91        0.19298
         465703.41    3808301.91        0.18981                    465043.41
3808321.91        0.35856
         465063.41    3808321.91        0.35073                    465083.41
3808321.91        0.34335
         465103.41    3808321.91        0.33625                    465123.41
3808321.91        0.32913
         465143.41    3808321.91        0.32225                    465163.41
3808321.91        0.31554
         465183.41    3808321.91        0.30883                    465203.41
3808321.91        0.30252
         465223.41    3808321.91        0.29645                    465243.41
3808321.91        0.29033
         465263.41    3808321.91        0.28425                    465283.41
3808321.91        0.27833
         465303.41    3808321.91        0.27281                    465323.41
3808321.91        0.26745
         465343.41    3808321.91        0.26225                    465363.41
3808321.91        0.25722
         465383.41    3808321.91        0.25233                    465403.41
3808321.91        0.24758
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
                                 INCLUDING SOURCE(S):   L0005092   , L0005093 , L0005094   , L0005095   , L0005096   ,
                 L0005097   , L0005098   , L0005099   , L0005100   , L0005101 , L0005102   , L0005103   , L0005104   ,
                 L0005105   , L0005106   , L0005107   , L0005108   , L0005109 , L0005110   , L0005111   , L0005112   ,
                 L0005113   , L0005114   , L0005115   , L0005116   , L0005117 , L0005118   , L0005119   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

```
         465223.41    3808341.91        0.30000                    465243.41
3808341.91        0.29363
         465263.41    3808341.91        0.28739                    465283.41
3808341.91        0.28139
         465303.41    3808341.91        0.27593                    465323.41
3808341.91        0.27035
         465343.41    3808341.91        0.26491                    465363.41
3808341.91        0.26003
         465383.41    3808341.91        0.25504                    465403.41
3808341.91        0.25013
         465423.41    3808341.91        0.24560                    465443.41
3808341.91        0.24124
         465463.41    3808341.91        0.23717                    465483.41
3808341.91        0.23308
         465503.41    3808341.91        0.22910                    465523.41
3808341.91        0.22522
         465543.41    3808341.91        0.22138                    465563.41
3808341.91        0.21769
         465583.41    3808341.91        0.21407                    465603.41
3808341.91        0.21031
         465623.41    3808341.91        0.20679                    465643.41
3808341.91        0.20340
         465663.41    3808341.91        0.19992                    465683.41
3808341.91        0.19667
         465703.41    3808341.91        0.19354                    465103.41
3808361.91        0.34384
         465123.41    3808361.91        0.33707                    465143.41
3808361.91        0.33012
         465163.41    3808361.91        0.32322                    465183.41
3808361.91        0.31655
         465203.41    3808361.91        0.30975                    465223.41
3808361.91        0.30310
         465243.41    3808361.91        0.29699                    465263.41
3808361.91        0.29077
         465283.41    3808361.91        0.28461                    465303.41
3808361.91        0.27869
         465323.41    3808361.91        0.27293                    465343.41
3808361.91        0.26740
         465363.41    3808361.91        0.26246                    465383.41
3808361.91        0.25761
         465403.41    3808361.91        0.25284                    465423.41
3808361.91        0.24791
         465443.41    3808361.91        0.24341                    465463.41
3808361.91        0.23972
         465483.41    3808361.91        0.23556                    465503.41
3808361.91        0.23152
         465523.41    3808361.91        0.22753                    465543.41
3808361.91        0.22337
         465563.41    3808361.91        0.21955                    465583.41
3808361.91        0.21593
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 ,
L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 ,
L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 ,
L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465223.41	3808381.91	0.30590	465243.41	3808381.91	0.29949
465263.41	3808381.91	0.29311	465283.41	3808381.91	0.28690
465303.41	3808381.91	0.28113	465323.41	3808381.91	0.27535
465343.41	3808381.91	0.26975	465363.41	3808381.91	0.26474
465383.41	3808381.91	0.25989	465403.41	3808381.91	0.25514
465423.41	3808381.91	0.25033	465443.41	3808381.91	0.24582
465463.41	3808381.91	0.24182	465483.41		

3808381.91 0.23762
465503.41 3808381.91 0.23352 465523.41
3808381.91 0.22951
465543.41 3808381.91 0.22544 465563.41
3808381.91 0.22148
465583.41 3808381.91 0.21766 465603.41
3808381.91 0.21410
465623.41 3808381.91 0.21051 465643.41
3808381.91 0.20697
465663.41 3808381.91 0.20350 465683.41
3808381.91 0.20013
465703.41 3808381.91 0.19685 465303.41
3808401.91 0.28321
465323.41 3808401.91 0.27752 465343.41
3808401.91 0.27194
465363.41 3808401.91 0.26688 465383.41
3808401.91 0.26197
465403.41 3808401.91 0.25721 465423.41
3808401.91 0.25258
465443.41 3808401.91 0.24808 465463.41
3808401.91 0.24371
465483.41 3808401.91 0.23946 465503.41
3808401.91 0.23532
465523.41 3808401.91 0.23130 465543.41
3808401.91 0.22739
465563.41 3808401.91 0.22336 465583.41
3808401.91 0.21940
465603.41 3808401.91 0.21580 465623.41
3808401.91 0.21224
465643.41 3808401.91 0.20872 465663.41
3808401.91 0.20510
465683.41 3808401.91 0.20173 465703.41
3808401.91 0.19848
465323.41 3808421.91 0.27931 465343.41
3808421.91 0.27399
465363.41 3808421.91 0.26888 465383.41
3808421.91 0.26392
465403.41 3808421.91 0.25911 465423.41
3808421.91 0.25443
465443.41 3808421.91 0.24989 465463.41
3808421.91 0.24547
465483.41 3808421.91 0.24118 465503.41
3808421.91 0.23701
465523.41 3808421.91 0.23295 465543.41
3808421.91 0.22900
465563.41 3808421.91 0.22511 465583.41
3808421.91 0.22132
465603.41 3808421.91 0.21768 465623.41
3808421.91 0.21391
465643.41 3808421.91 0.21020 465663.41

3808421.91   0.20678
         465683.41   3808421.91   0.20329   465703.41
3808421.91   0.19985
         465323.41   3808441.91   0.28117   465343.41
3808441.91   0.27591
         465363.41   3808441.91   0.27105   465383.41
3808441.91   0.26613
         465403.41   3808441.91   0.26127   465423.41
3808441.91   0.25654
         465443.41   3808441.91   0.25195   465463.41
3808441.91   0.24748
         465483.41   3808441.91   0.24314   465503.41
3808441.91   0.23893
         465523.41   3808441.91   0.23482   465543.41
3808441.91   0.23083
         465563.41   3808441.91   0.22694   465583.41
3808441.91   0.22316

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43 ***
                                  INCLUDING SOURCE(S):   L0005092   , L0005093
, L0005094   , L0005095   , L0005096   ,
                  L0005097   , L0005098   , L0005099   , L0005100   , L0005101
, L0005102   , L0005103   , L0005104   ,
                  L0005105   , L0005106   , L0005107   , L0005108   , L0005109
, L0005110   , L0005111   , L0005112   ,
                  L0005113   , L0005114   , L0005115   , L0005116   , L0005117
, L0005118   , L0005119   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465603.41   3808441.91   0.21947   465623.41
3808441.91   0.21563
         465643.41   3808441.91   0.21180   465663.41
3808441.91   0.20822

```
        465683.41    3808441.91        0.20474                    465703.41
3808441.91        0.20139
        465343.41    3808461.91        0.27764                    465363.41
3808461.91        0.27290
        465383.41    3808461.91        0.26806                    465403.41
3808461.91        0.26324
        465423.41    3808461.91        0.25847                    465443.41
3808461.91        0.25383
        465463.41    3808461.91        0.24934                    465483.41
3808461.91        0.24496
        465503.41    3808461.91        0.24076                    465523.41
3808461.91        0.23668
        465543.41    3808461.91        0.23264                    465563.41
3808461.91        0.22872
        465583.41    3808461.91        0.22490                    465603.41
3808461.91        0.22118
        465623.41    3808461.91        0.21729                    465643.41
3808461.91        0.21339
        465663.41    3808461.91        0.20960                    465683.41
3808461.91        0.20615
        465703.41    3808461.91        0.20290                    465343.41
3808481.91        0.27912
        465363.41    3808481.91        0.27398                    465383.41
3808481.91        0.26926
        465403.41    3808481.91        0.26471                    465423.41
3808481.91        0.25991
        465443.41    3808481.91        0.25525                    465463.41
3808481.91        0.25072
        465483.41    3808481.91        0.24631                    465503.41
3808481.91        0.24229
        465523.41    3808481.91        0.23843                    465543.41
3808481.91        0.23436
        465563.41    3808481.91        0.23039                    465583.41
3808481.91        0.22654
        465603.41    3808481.91        0.22278                    465623.41
3808481.91        0.21887
        465643.41    3808481.91        0.21493                    465663.41
3808481.91        0.21110
        465683.41    3808481.91        0.20762                    465703.41
3808481.91        0.20430
        465463.41    3808501.91        0.25230                    465483.41
3808501.91        0.24762
        465503.41    3808501.91        0.24355                    465523.41
3808501.91        0.23972
        465543.41    3808501.91        0.23562                    465563.41
3808501.91        0.23178
        465583.41    3808501.91        0.22804                    465603.41
3808501.91        0.22405
        465623.41    3808501.91        0.22018                    465643.41
3808501.91        0.21638
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         465663.41    3808501.91        0.21252                       465683.41
3808501.91        0.20901
         465703.41    3808501.91        0.20565                       465523.41
3808521.91        0.24078
         465543.41    3808521.91        0.23668                       465563.41
3808521.91        0.23296
         465583.41    3808521.91        0.22934                       465603.41
3808521.91        0.22521
         465623.41    3808521.91        0.22135                       465643.41
3808521.91        0.21764
         465663.41    3808521.91        0.21382                       465683.41
3808521.91        0.21027
         465703.41    3808521.91        0.20684                       464239.31
3809562.31        0.46450
         464277.31    3809562.31        0.44801                       463745.31
3809591.37        0.69718
         463783.31    3809591.37        0.67729                       463821.31
3809591.37        0.65748
         463859.31    3809591.37        0.64221                       463897.31
3809591.37        0.62791
         463935.31    3809591.37        0.61074                       464239.31
3809591.37        0.45303
         464277.31    3809591.37        0.43707                       463745.31
3809620.43        0.66915
         463783.31    3809620.43        0.65117                       463821.31
3809620.43        0.63461
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 354
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                  L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                  L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                  L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463859.31	3809620.43	0.61823	463897.31	3809620.43	0.60389
463935.31	3809620.43	0.58903	463973.31	3809620.43	0.56995
464011.31	3809620.43	0.54964	464049.31	3809620.43	0.52855
464087.31	3809620.43	0.50812	464125.31	3809620.43	0.49003
464163.31	3809620.43	0.47291	464201.31	3809620.43	0.45589
464239.31	3809620.43	0.44138	464277.31	3809620.43	0.42630
463745.31	3809649.49	0.64237	463783.31	3809649.49	0.62805
463821.31	3809649.49	0.61166	463859.31	3809649.49	0.59578
463897.31	3809649.49	0.58122	463935.31	3809649.49	0.56697
463973.31	3809649.49	0.54761	464011.31	3809649.49	0.53025
464049.31	3809649.49	0.51243	464087.31	3809649.49	0.49308
464125.31	3809649.49	0.47691	464163.31	3809649.49	0.46016
464201.31	3809649.49	0.44492	464239.31	3809649.49	0.43066
464277.31	3809649.49	0.41610	464315.31	3809649.49	0.40196
464353.31	3809649.49	0.38946	464391.31	3809649.49	0.37734
464429.31	3809649.49	0.36512	464467.31	3809649.49	0.35378
464505.31	3809649.49	0.34277	463745.31	3809678.55	0.61589
463783.31	3809678.55	0.60303	463821.31	3809678.55	0.59021
463859.31	3809678.55	0.57382	463897.31	3809678.55	0.55983
463935.31	3809678.55	0.54665	463973.31	3809678.55	0.52948
464011.31	3809678.55	0.51201	464049.31	3809678.55	0.49702
464087.31	3809678.55	0.48037	464125.31	3809678.55	0.46427
464163.31	3809678.55	0.44858	464201.31		

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3809678.55        0.43465
         464239.31    3809678.55        0.41987                        464277.31
3809678.55        0.40606
         464315.31    3809678.55        0.39296                        464353.31
3809678.55        0.38117
         464391.31    3809678.55        0.36937                        464429.31
3809678.55        0.35741
         464467.31    3809678.55        0.34676                        464505.31
3809678.55        0.33543
         463745.31    3809707.61        0.59265                        463783.31
3809707.61        0.57992
         463821.31    3809707.61        0.56763                        463859.31
3809707.61        0.55411
         463897.31    3809707.61        0.53980                        463935.31
3809707.61        0.52724
         463973.31    3809707.61        0.51229                        464011.31
3809707.61        0.49622
         464049.31    3809707.61        0.48232                        464087.31
3809707.61        0.46701
         464125.31    3809707.61        0.45215                        464163.31
3809707.61        0.43802
         464201.31    3809707.61        0.42337                        464239.31
3809707.61        0.40984
         464277.31    3809707.61        0.39654                        464315.31
3809707.61        0.38470
         464353.31    3809707.61        0.37223                        464391.31
3809707.61        0.36120
         464429.31    3809707.61        0.34969                        464467.31
3809707.61        0.33919
         464505.31    3809707.61        0.32903                        463745.31
3809736.67        0.57278
         463783.31    3809736.67        0.55863                        463821.31
3809736.67        0.54505
         463859.31    3809736.67        0.53304                        463897.31
3809736.67        0.52063
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 355
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                  L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                  L0005105    , L0005106    , L0005107    , L0005108    , L0005109
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, L0005110   , L0005111   , L0005112   ,
                L0005113   , L0005114   , L0005115   , L0005116   , L0005117
, L0005118   , L0005119   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         464505.31    3809765.73        0.31636                        463745.31
3809794.79        0.53732
         463783.31    3809794.79        0.52225                        463821.31
3809794.79        0.50854
         463859.31    3809794.79        0.49535                        463897.31
3809794.79        0.48412
         463935.31    3809794.79        0.47110                        463973.31
3809794.79        0.45883
         464011.31    3809794.79        0.45061                        464049.31
3809794.79        0.44405
         464087.31    3809794.79        0.43210                        464125.31
3809794.79        0.41979
         464163.31    3809794.79        0.40758                        464201.31
3809794.79        0.39523
         464239.31    3809794.79        0.38288                        464277.31
3809794.79        0.37120
         464315.31    3809794.79        0.36002                        464353.31
3809794.79        0.34898
         464391.31    3809794.79        0.33891                        464429.31
3809794.79        0.32961
         464467.31    3809794.79        0.31976                        464505.31
3809794.79        0.31042
         463745.31    3809823.85        0.52110                        463783.31
3809823.85        0.50545
         463821.31    3809823.85        0.49028                        463859.31
3809823.85        0.47796
         463897.31    3809823.85        0.46623                        463935.31
3809823.85        0.45384
         463973.31    3809823.85        0.44273                        464011.31
3809823.85        0.43379
         464049.31    3809823.85        0.42809                        464087.31
3809823.85        0.42021
         464125.31    3809823.85        0.40958                        464163.31
3809823.85        0.39785
         464201.31    3809823.85        0.38562                        464239.31
3809823.85        0.37432
         464277.31    3809823.85        0.36316                        464315.31
3809823.85        0.35189
         464353.31    3809823.85        0.34166                        464391.31
3809823.85        0.33214
         464429.31    3809823.85        0.32268                        464467.31
3809823.85        0.31350
         464505.31    3809823.85        0.30422                        463745.31
3809852.91        0.50658
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 ,
L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 ,
L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 ,
L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463783.31	3809852.91	0.49135	463821.31	3809852.91	0.47475
463859.31	3809852.91	0.46216	463897.31	3809852.91	0.44955
463935.31	3809852.91	0.43771	463973.31	3809852.91	0.42743
464011.31	3809852.91	0.41824	464049.31	3809852.91	0.41200
464087.31	3809852.91	0.40530	464125.31	3809852.91	0.39686
464163.31	3809852.91	0.38615	464201.31	3809852.91	0.37477
464239.31	3809852.91	0.36461	464277.31	3809852.91	0.35446
464315.31	3809852.91	0.34422	464353.31	3809852.91	0.33420
464391.31	3809852.91	0.32517	464429.31	3809852.91	0.31622
464467.31	3809852.91	0.30719	464505.31	3809852.91	0.29846
463745.31	3809881.97	0.49335	463783.31	3809881.97	0.47778
463821.31	3809881.97	0.46169	463859.31	3809881.97	0.44810
463897.31	3809881.97	0.43474	463935.31	3809881.97	0.42254
463973.31	3809881.97	0.41331	464011.31		

3809881.97 0.40454
464049.31 3809881.97 0.39757 464087.31
3809881.97 0.39036
464125.31 3809881.97 0.38273 464163.31
3809881.97 0.37294
464201.31 3809881.97 0.36368 464239.31
3809881.97 0.35400
464277.31 3809881.97 0.34517 464315.31
3809881.97 0.33653
464353.31 3809881.97 0.32716 464391.31
3809881.97 0.31871
464429.31 3809881.97 0.31002 464467.31
3809881.97 0.30120
464505.31 3809881.97 0.29323 463745.31
3809911.03 0.47988
463783.31 3809911.03 0.46414 463821.31
3809911.03 0.44950
463859.31 3809911.03 0.43547 463897.31
3809911.03 0.42215
463935.31 3809911.03 0.40958 463973.31
3809911.03 0.39999
464011.31 3809911.03 0.39147 464049.31
3809911.03 0.38477
464087.31 3809911.03 0.37762 464125.31
3809911.03 0.37010
464163.31 3809911.03 0.36177 464201.31
3809911.03 0.35385
464239.31 3809911.03 0.34481 464277.31
3809911.03 0.33686
464315.31 3809911.03 0.32856 464353.31
3809911.03 0.32022
464391.31 3809911.03 0.31212 464429.31
3809911.03 0.30380
464467.31 3809911.03 0.29587 464505.31
3809911.03 0.28763
463745.31 3809940.09 0.46643 463783.31
3809940.09 0.45111
463821.31 3809940.09 0.43753 463859.31
3809940.09 0.42360
463897.31 3809940.09 0.41084 463935.31
3809940.09 0.39866
463973.31 3809940.09 0.38847 464011.31
3809940.09 0.37883
464049.31 3809940.09 0.37190 464087.31
3809940.09 0.36496
464125.31 3809940.09 0.35811 464163.31
3809940.09 0.35166
464201.31 3809940.09 0.34513 464239.31
3809940.09 0.33712
464277.31 3809940.09 0.32909 464315.31

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43 ***
                                  INCLUDING SOURCE(S):   L0005092   , L0005093
, L0005094   , L0005095   , L0005096   ,
                  L0005097   , L0005098   , L0005099   , L0005100   , L0005101
, L0005102   , L0005103   , L0005104   ,
                  L0005105   , L0005106   , L0005107   , L0005108   , L0005109
, L0005110   , L0005111   , L0005112   ,
                  L0005113   , L0005114   , L0005115   , L0005116   , L0005117
, L0005118   , L0005119   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464429.31   3809940.09   0.29813   464467.31
3809940.09   0.29019
         464505.31   3809940.09   0.28228   463745.31
3809969.15   0.45654
         463783.31   3809969.15   0.43982   463821.31
3809969.15   0.42583
         463859.31   3809969.15   0.41248   463897.31
3809969.15   0.40000
         463935.31   3809969.15   0.38830   463973.31
3809969.15   0.37823
         464011.31   3809969.15   0.36797   464049.31
3809969.15   0.35964
         464087.31   3809969.15   0.35306   464125.31
3809969.15   0.34733
         464163.31   3809969.15   0.34153   464201.31
3809969.15   0.33612
         464239.31   3809969.15   0.32972   464277.31
3809969.15   0.32191

464315.31 3809969.15 0.31460 464353.31
3809969.15 0.30760
464391.31 3809969.15 0.30012 464429.31
3809969.15 0.29247
464467.31 3809969.15 0.28455 464505.31
3809969.15 0.27744
463745.31 3809998.21 0.45056 463783.31
3809998.21 0.43132
463821.31 3809998.21 0.41607 463859.31
3809998.21 0.40245
463897.31 3809998.21 0.39018 463935.31
3809998.21 0.37837
463973.31 3809998.21 0.36833 464011.31
3809998.21 0.35857
464049.31 3809998.21 0.35002 464087.31
3809998.21 0.34305
464125.31 3809998.21 0.33787 464163.31
3809998.21 0.33250
464201.31 3809998.21 0.32725 464239.31
3809998.21 0.32154
464277.31 3809998.21 0.31518 464315.31
3809998.21 0.30800
464353.31 3809998.21 0.30135 464391.31
3809998.21 0.29415
464429.31 3809998.21 0.28668 464467.31
3809998.21 0.27959
464505.31 3809998.21 0.27231 463745.31
3810027.27 0.44512
463783.31 3810027.27 0.42480 463821.31
3810027.27 0.40812
463859.31 3810027.27 0.39385 463897.31
3810027.27 0.38153
463935.31 3810027.27 0.36924 463973.31
3810027.27 0.35939
464011.31 3810027.27 0.34989 464049.31
3810027.27 0.34149
464087.31 3810027.27 0.33388 464125.31
3810027.27 0.32820
464163.31 3810027.27 0.32373 464201.31
3810027.27 0.31895
464239.31 3810027.27 0.31320 464277.31
3810027.27 0.30771
464315.31 3810027.27 0.30163 464353.31
3810027.27 0.29506
464391.31 3810027.27 0.28814 464429.31
3810027.27 0.28139
464467.31 3810027.27 0.27442 464505.31
3810027.27 0.26718
463745.31 3810056.33 0.44049 463783.31
3810056.33 0.41895

```
         463821.31    3810056.33        0.40062                       463859.31
3810056.33        0.38610
         463897.31    3810056.33        0.37324                       463935.31
3810056.33        0.36114
         463973.31    3810056.33        0.35115                       464011.31
3810056.33        0.34163
         464049.31    3810056.33        0.33288                       464087.31
3810056.33        0.32543
         464125.31    3810056.33        0.31905                       464163.31
3810056.33        0.31470
         464201.31    3810056.33        0.31026                       464239.31
3810056.33        0.30549
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 358
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43  ***
                               INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                  L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                  L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                  L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         464277.31    3810056.33        0.30001                       464315.31
3810056.33        0.29470
         464353.31    3810056.33        0.28928                       464391.31
3810056.33        0.28297
         464429.31    3810056.33        0.27622                       464467.31
3810056.33        0.26909
         464505.31    3810056.33        0.26234                       463745.31
3810085.39        0.43607
         463783.31    3810085.39        0.41354                       463821.31
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3810085.39 0.39419
463859.31 3810085.39 0.37880 463897.31
3810085.39 0.36562
463935.31 3810085.39 0.35380 463973.31
3810085.39 0.34347
464011.31 3810085.39 0.33358 464049.31
3810085.39 0.32427
464087.31 3810085.39 0.31714 464125.31
3810085.39 0.31085
464163.31 3810085.39 0.30593 464201.31
3810085.39 0.30156
464239.31 3810085.39 0.29742 464277.31
3810085.39 0.29266
464315.31 3810085.39 0.28772 464353.31
3810085.39 0.28259
464391.31 3810085.39 0.27700 464429.31
3810085.39 0.27049
464467.31 3810085.39 0.26384 464505.31
3810085.39 0.25714
463745.31 3810114.45 0.42967 463783.31
3810114.45 0.40952
463821.31 3810114.45 0.38901 463859.31
3810114.45 0.37358
463897.31 3810114.45 0.35921 463935.31
3810114.45 0.34702
463973.31 3810114.45 0.33607 464011.31
3810114.45 0.32617
464049.31 3810114.45 0.31673 464087.31
3810114.45 0.30932
464125.31 3810114.45 0.30265 464163.31
3810114.45 0.29725
464201.31 3810114.45 0.29282 464239.31
3810114.45 0.28959
464277.31 3810114.45 0.28550 464315.31
3810114.45 0.28030
464353.31 3810114.45 0.27496 464391.31
3810114.45 0.26942
464429.31 3810114.45 0.26413 464467.31
3810114.45 0.25773
464505.31 3810114.45 0.25202 463745.31
3810143.51 0.42097
463783.31 3810143.51 0.40342 463821.31
3810143.51 0.38603
463859.31 3810143.51 0.36957 463897.31
3810143.51 0.35307
463935.31 3810143.51 0.33995 463973.31
3810143.51 0.32829
464011.31 3810143.51 0.31914 464049.31
3810143.51 0.30975
464087.31 3810143.51 0.30153 464125.31

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3810143.51        0.29494
         464163.31    3810143.51        0.28954                       464201.31
3810143.51        0.28491
         464239.31    3810143.51        0.28124                       464277.31
3810143.51        0.27829
         464315.31    3810143.51        0.27342                       464353.31
3810143.51        0.26758
         464391.31    3810143.51        0.26267                       464429.31
3810143.51        0.25746
         464467.31    3810143.51        0.25239                       464505.31
3810143.51        0.24711
         464383.78    3807479.29        0.21280                       464355.03
3807405.24        0.19174
         464402.07    3807352.10        0.16558                       464367.23
3807296.35        0.15868
         464358.52    3807237.99        0.14220                       464385.52
3807161.33        0.13188
         463132.27    3810926.37        0.27079                       463237.82
3811199.31        0.22673
         464944.35    3809244.89        0.34406                       465700.32
3809255.46        0.20161
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 359
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                 L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                 L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                 L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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         465716.18    3808536.49        0.20533                       465544.37
3808533.85        0.23705
         465420.13    3808486.27        0.26098                       465348.77
3808491.56        0.27842
         465317.05    3808443.98        0.28308                       465327.62
3808406.97        0.27680
         465108.23    3808369.97        0.34358                       464999.86
3808301.24        0.37130
         464722.31    3807973.48        0.37707                       464717.03
3807836.03        0.34030
         464344.33    3807936.47        0.61648                       464349.61
3807780.52        0.50433
         464386.62    3807785.81        0.48160                       464521.43
3807859.82        0.42961
         464537.28    3807719.72        0.38233                       464426.27
3807613.99        0.39314
         464368.43    3807532.62        0.38207                       464324.60
3807121.91        0.13865
         464123.31    3807123.54        0.18998                       463930.13
3806909.26        0.14833
         463831.11    3806906.01        0.16593                       463821.36
3806720.95        0.12277
         463727.21    3806727.44        0.13446                       463598.97
3806334.59        0.08811
         463001.06    3806361.54        0.06353

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 360
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                  L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                  L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                  L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
462160.55	3809377.75	0.26128	462051.48	3809270.62	0.22713
462014.47	3809029.10	0.16914	462010.58	3808855.75	0.10587
461936.56	3808886.92	0.09954	461936.56	3808997.94	0.12948
461909.30	3808768.10	0.07554	461835.28	3808894.71	0.08565
461845.02	3808995.99	0.10888	461833.33	3809114.80	0.14477
461843.07	3809210.24	0.17677	461809.96	3809297.89	0.17824
461856.71	3809385.54	0.19013	461841.13	3809482.92	0.19027
462004.74	3809379.69	0.22056	461763.22	3808793.43	0.06324
461753.48	3808699.93	0.06046	461835.28	3808686.30	0.06156
461823.60	3808579.17	0.05310	461761.27	3808585.02	0.04983
462301.19	3807807.15	0.07730	462304.78	3807868.16	0.07517
462216.84	3807882.52	0.06377	462116.34	3807886.11	0.05427
462114.55	3807789.20	0.05537	462012.25	3807887.90	0.04684
462008.66	3807975.84	0.04947	461917.14	3807972.25	0.04427
461922.52	3808187.60	0.05703	461908.17	3808288.10	0.05926
461848.94	3808377.83	0.05602	461831.00	3808494.48	0.05366
462421.43	3808393.98	0.12742	462459.11	3808501.66	0.14016
462437.58	3808580.62	0.14417	462654.73	3809189.00	0.50153
462559.49	3809194.32	0.43055	465763.86	3807935.19	0.16144
465819.84	3807935.19	0.15499	465875.82	3807935.19	0.14891
465931.80	3807935.19	0.14324	465987.78	3807935.19	0.13789
466043.76	3807935.19	0.13285	466099.74	3807935.19	0.12810
466155.72	3807935.19	0.12361	466211.70		

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3807935.19        0.11937
         466267.68    3807935.19        0.11536                        466323.66
3807935.19        0.11149
         466379.64    3807935.19        0.10791                        466435.62
3807935.19        0.10450
         466491.60    3807935.19        0.10127                        466547.58
3807935.19        0.09802
         466603.56    3807935.19        0.09506                        466659.54
3807935.19        0.09225
         466715.52    3807935.19        0.08957                        466771.50
3807935.19        0.08699
         466827.48    3807935.19        0.08446                        466883.46
3807935.19        0.08211
         465763.86    3808001.41        0.16801                        465819.84
3808001.41        0.16120
         465875.82    3808001.41        0.15480                        465931.80
3808001.41        0.14878
         465987.78    3808001.41        0.14324                        466043.76
3808001.41        0.13781
         466099.74    3808001.41        0.13298                        466155.72
3808001.41        0.12826
         466211.70    3808001.41        0.12382                        466267.68
3808001.41        0.11959
         466323.66    3808001.41        0.11557                        466379.64
3808001.41        0.11176
         466435.62    3808001.41        0.10814                        466491.60
3808001.41        0.10470
         466547.58    3808001.41        0.10139                        466603.56
3808001.41        0.09830
         466659.54    3808001.41        0.09537                        466715.52
3808001.41        0.09239
         466771.50    3808001.41        0.08972                        466827.48
3808001.41        0.08715
         466883.46    3808001.41        0.08464                        465763.86
3808067.63        0.17538
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 361
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                  L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                  L0006114    , L0006115    , L0006116    , L0006117    , L0006118
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, L0006119   , L0006120   , L0006121   ,
                L0006122   , L0006123   , L0006124   , L0006125   , L0006126
, L0006127   , L0006128   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         466659.54    3808133.85        0.10179                    466715.52
3808133.85        0.09866
         466771.50    3808133.85        0.09557                    466827.48
3808133.85        0.09276
         466883.46    3808133.85        0.09005                    465763.86
3808200.07        0.19192
         465819.84    3808200.07        0.18356                    465875.82
3808200.07        0.17577
         465931.80    3808200.07        0.16869                    465987.78
3808200.07        0.16185
         466043.76    3808200.07        0.15544                    466099.74
3808200.07        0.14941
         466155.72    3808200.07        0.14375                    466211.70
3808200.07        0.13841
         466267.68    3808200.07        0.13338                    466323.66
3808200.07        0.12878
         466379.64    3808200.07        0.12429                    466435.62
3808200.07        0.12003
         466491.60    3808200.07        0.11600                    466547.58
3808200.07        0.11217
         466603.56    3808200.07        0.10854                    466659.54
3808200.07        0.10509
         466715.52    3808200.07        0.10182                    466771.50
3808200.07        0.09866
         466827.48    3808200.07        0.09562                    466883.46
3808200.07        0.09279
         465763.86    3808266.29        0.20047                    465819.84
3808266.29        0.19179
         465875.82    3808266.29        0.18358                    465931.80
3808266.29        0.17577
         465987.78    3808266.29        0.16847                    466043.76
3808266.29        0.16164
         466099.74    3808266.29        0.15523                    466155.72
3808266.29        0.14921
         466211.70    3808266.29        0.14356                    466267.68
3808266.29        0.13833
         466323.66    3808266.29        0.13329                    466379.64
3808266.29        0.12868
         466435.62    3808266.29        0.12420                    466491.60
3808266.29        0.11988
         466547.58    3808266.29        0.11583                    466603.56
3808266.29        0.11199
         466659.54    3808266.29        0.10843                    466715.52
3808266.29        0.10492
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 ,
L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 ,
L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 ,
L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466771.50	3808266.29	0.10166	466827.48	3808266.29	0.09849
466883.46	3808266.29	0.09552	465763.86	3808332.51	0.20921
465819.84	3808332.51	0.20008	465875.82	3808332.51	0.19114
465931.80	3808332.51	0.18282	465987.78	3808332.51	0.17506
466043.76	3808332.51	0.16779	466099.74	3808332.51	0.16099
466155.72	3808332.51	0.15468	466211.70	3808332.51	0.14869
466267.68	3808332.51	0.14304	466323.66	3808332.51	0.13797
466379.64	3808332.51	0.13293	466435.62	3808332.51	0.12818
466491.60	3808332.51	0.12368	466547.58	3808332.51	0.11942
466603.56	3808332.51	0.11560	466659.54	3808332.51	0.11180
466715.52	3808332.51	0.10816	466771.50	3808332.51	0.10455
466827.48	3808332.51	0.10130	466883.46	3808332.51	0.09819
465763.86	3808398.73	0.21771	465819.84	3808398.73	0.20793
465875.82	3808398.73	0.19844	465931.80		

3808398.73 0.18963
465987.78 3808398.73 0.18141 466043.76
3808398.73 0.17372
466099.74 3808398.73 0.16668 466155.72
3808398.73 0.15990
466211.70 3808398.73 0.15355 466267.68
3808398.73 0.14791
466323.66 3808398.73 0.14228 466379.64
3808398.73 0.13700
466435.62 3808398.73 0.13214 466491.60
3808398.73 0.12745
466547.58 3808398.73 0.12302 466603.56
3808398.73 0.11885
466659.54 3808398.73 0.11488 466715.52
3808398.73 0.11106
466771.50 3808398.73 0.10748 466827.48
3808398.73 0.10404
466883.46 3808398.73 0.10078 465763.86
3808464.95 0.22567
465819.84 3808464.95 0.21521 465875.82
3808464.95 0.20515
465931.80 3808464.95 0.19590 465987.78
3808464.95 0.18733
466043.76 3808464.95 0.17946 466099.74
3808464.95 0.17187
466155.72 3808464.95 0.16477 466211.70
3808464.95 0.15813
466267.68 3808464.95 0.15216 466323.66
3808464.95 0.14629
466379.64 3808464.95 0.14091 466435.62
3808464.95 0.13573
466491.60 3808464.95 0.13097 466547.58
3808464.95 0.12632
466603.56 3808464.95 0.12193 466659.54
3808464.95 0.11778
466715.52 3808464.95 0.11386 466771.50
3808464.95 0.11014
466827.48 3808464.95 0.10660 466883.46
3808464.95 0.10324
465763.86 3808531.17 0.23302 465819.84
3808531.17 0.22169
465875.82 3808531.17 0.21119 465931.80
3808531.17 0.20145
465987.78 3808531.17 0.19265 466043.76
3808531.17 0.18432
466099.74 3808531.17 0.17656 466155.72
3808531.17 0.16918
466211.70 3808531.17 0.16229 466267.68
3808531.17 0.15601
466323.66 3808531.17 0.15007 466379.64

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 ,
L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 ,
L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 ,
L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466547.58	3808531.17	0.12927	466603.56	3808531.17	0.12473
466659.54	3808531.17	0.12044	466715.52	3808531.17	0.11640
466771.50	3808531.17	0.11252	466827.48	3808531.17	0.10892
466883.46	3808531.17	0.10546	465763.86	3808597.39	0.23889
465819.84	3808597.39	0.22759	465875.82	3808597.39	0.21668
465931.80	3808597.39	0.20627	465987.78	3808597.39	0.19716
466043.76	3808597.39	0.18874	466099.74	3808597.39	0.18062
466155.72	3808597.39	0.17308	466211.70	3808597.39	0.16605
466267.68	3808597.39	0.15937	466323.66	3808597.39	0.15333

```
         466379.64    3808597.39        0.14760                    466435.62
3808597.39        0.14206
         466491.60    3808597.39        0.13692                    466547.58
3808597.39        0.13202
         466603.56    3808597.39        0.12734                    466659.54
3808597.39        0.12292
         466715.52    3808597.39        0.11874                    466771.50
3808597.39        0.11478
         466827.48    3808597.39        0.11103                    466883.46
3808597.39        0.10755
         465763.86    3808663.61        0.24352                    465819.84
3808663.61        0.23208
         465875.82    3808663.61        0.22099                    465931.80
3808663.61        0.21071
         465987.78    3808663.61        0.20118                    466043.76
3808663.61        0.19228
         466099.74    3808663.61        0.18413                    466155.72
3808663.61        0.17634
         466211.70    3808663.61        0.16902                    466267.68
3808663.61        0.16220
         466323.66    3808663.61        0.15611                    466379.64
3808663.61        0.15008
         466435.62    3808663.61        0.14470                    466491.60
3808663.61        0.13933
         466547.58    3808663.61        0.13426                    466603.56
3808663.61        0.12947
         466659.54    3808663.61        0.12494                    466715.52
3808663.61        0.12068
         466771.50    3808663.61        0.11664                    466827.48
3808663.61        0.11296
         466883.46    3808663.61        0.10930                    465763.86
3808729.83        0.24754
         465819.84    3808729.83        0.23606                    465875.82
3808729.83        0.22479
         465931.80    3808729.83        0.21419                    465987.78
3808729.83        0.20437
         466043.76    3808729.83        0.19526                    466099.74
3808729.83        0.18678
         466155.72    3808729.83        0.17886                    466211.70
3808729.83        0.17143
         466267.68    3808729.83        0.16450                    466323.66
3808729.83        0.15831
         466379.64    3808729.83        0.15231                    466435.62
3808729.83        0.14656
         466491.60    3808729.83        0.14129                    466547.58
3808729.83        0.13613
         466603.56    3808729.83        0.13127                    466659.54
3808729.83        0.12693
         466715.52    3808729.83        0.12256                    466771.50
3808729.83        0.11845
```

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                  INCLUDING SOURCE(S):   L0006101   , L0006102
, L0006103   , L0006104   , L0006105   ,
                  L0006106   , L0006107   , L0006108   , L0006109   , L0006110
, L0006111   , L0006112   , L0006113   ,
                  L0006114   , L0006115   , L0006116   , L0006117   , L0006118
, L0006119   , L0006120   , L0006121   ,
                  L0006122   , L0006123   , L0006124   , L0006125   , L0006126
, L0006127   , L0006128   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         466323.66   3808796.05   0.16008   466379.64
3808796.05   0.15396
         466435.62   3808796.05   0.14834   466491.60
3808796.05   0.14283
         466547.58   3808796.05   0.13766   466603.56
3808796.05   0.13293
         466659.54   3808796.05   0.12829   466715.52
3808796.05   0.12397
         466771.50   3808796.05   0.11983   466827.48

3808796.05 0.11588
466883.46 3808796.05 0.11225 465763.86
3808862.27 0.24968
465819.84 3808862.27 0.23858 465875.82
3808862.27 0.22800
465931.80 3808862.27 0.21755 465987.78
3808862.27 0.20778
466043.76 3808862.27 0.19866 466099.74
3808862.27 0.19033
466155.72 3808862.27 0.18217 466211.70
3808862.27 0.17470
466267.68 3808862.27 0.16792 466323.66
3808862.27 0.16134
466379.64 3808862.27 0.15525 466435.62
3808862.27 0.14948
466491.60 3808862.27 0.14403 466547.58
3808862.27 0.13892
466603.56 3808862.27 0.13398 466659.54
3808862.27 0.12948
466715.52 3808862.27 0.12505 466771.50
3808862.27 0.12090
466827.48 3808862.27 0.11701 466883.46
3808862.27 0.11328
465763.86 3808928.49 0.24780 465819.84
3808928.49 0.23692
465875.82 3808928.49 0.22700 465931.80
3808928.49 0.21736
465987.78 3808928.49 0.20818 466043.76
3808928.49 0.19961
466099.74 3808928.49 0.19092 466155.72
3808928.49 0.18302
466211.70 3808928.49 0.17563 466267.68
3808928.49 0.16864
466323.66 3808928.49 0.16205 466379.64
3808928.49 0.15585
466435.62 3808928.49 0.15020 466491.60
3808928.49 0.14481
466547.58 3808928.49 0.13964 466603.56
3808928.49 0.13493
466659.54 3808928.49 0.13026 466715.52
3808928.49 0.12591
466771.50 3808928.49 0.12171 466827.48
3808928.49 0.11785
466883.46 3808928.49 0.11407 465763.86
3808994.71 0.24719
465819.84 3808994.71 0.23573 465875.82
3808994.71 0.22565
465931.80 3808994.71 0.21664 465987.78
3808994.71 0.20825
466043.76 3808994.71 0.19952 466099.74

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3808994.71        0.19112
         466155.72    3808994.71        0.18312                       466211.70
3808994.71        0.17582
         466267.68    3808994.71        0.16892                       466323.66
3808994.71        0.16243
         466379.64    3808994.71        0.15630                       466435.62
3808994.71        0.15053
         466491.60    3808994.71        0.14522                       466547.58
3808994.71        0.14028
         466603.56    3808994.71        0.13542                       466659.54
3808994.71        0.13075
         466715.52    3808994.71        0.12661                       466771.50
3808994.71        0.12238
         466827.48    3808994.71        0.11837                       466883.46
3808994.71        0.11470
         465763.86    3809060.93        0.24627                       465819.84
3809060.93        0.23504
         465875.82    3809060.93        0.22503                       465931.80
3809060.93        0.21575
         465987.78    3809060.93        0.20704                       466043.76
3809060.93        0.19880
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 365
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                  L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                  L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                  L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
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         466099.74    3809060.93        0.19034                    466155.72
3809060.93        0.18274
         466211.70    3809060.93        0.17546                    466267.68
3809060.93        0.16870
         466323.66    3809060.93        0.16230                    466379.64
3809060.93        0.15626
         466435.62    3809060.93        0.15076                    466491.60
3809060.93        0.14549
         466547.58    3809060.93        0.14036                    466603.56
3809060.93        0.13559
         466659.54    3809060.93        0.13122                    466715.52
3809060.93        0.12680
         466771.50    3809060.93        0.12264                    466827.48
3809060.93        0.11874
         466883.46    3809060.93        0.11508                    465763.86
3809127.15        0.24526
         465819.84    3809127.15        0.23446                    465875.82
3809127.15        0.22453
         465931.80    3809127.15        0.21503                    465987.78
3809127.15        0.20614
         466043.76    3809127.15        0.19720                    466099.74
3809127.15        0.18885
         466155.72    3809127.15        0.18129                    466211.70
3809127.15        0.17485
         466267.68    3809127.15        0.16842                    466323.66
3809127.15        0.16220
         466379.64    3809127.15        0.15617                    466435.62
3809127.15        0.15059
         466491.60    3809127.15        0.14532                    466547.58
3809127.15        0.14035
         466603.56    3809127.15        0.13569                    466659.54
3809127.15        0.13111
         466715.52    3809127.15        0.12684                    466771.50
3809127.15        0.12276
         466827.48    3809127.15        0.11883                    466883.46
3809127.15        0.11522
         465763.86    3809193.37        0.24281                    465819.84
3809193.37        0.23285
         465875.82    3809193.37        0.22307                    465931.80
3809193.37        0.21370
         465987.78    3809193.37        0.20432                    466043.76
3809193.37        0.19472
         466099.74    3809193.37        0.18727                    466155.72
3809193.37        0.17998
         466211.70    3809193.37        0.17352                    466267.68
3809193.37        0.16741
         466323.66    3809193.37        0.16146                    466379.64
3809193.37        0.15577
         466435.62    3809193.37        0.15020                    466491.60
3809193.37        0.14500
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         466547.58    3809193.37        0.14007                      466603.56
3809193.37        0.13550
         466659.54    3809193.37        0.13096                      466715.52
3809193.37        0.12680
         466771.50    3809193.37        0.12269                      466827.48
3809193.37        0.11889
         466883.46    3809193.37        0.11521                      465763.86
3809259.59        0.23916
         465819.84    3809259.59        0.22950                      465875.82
3809259.59        0.21999
         465931.80    3809259.59        0.21102                      465987.78
3809259.59        0.20186
         466043.76    3809259.59        0.19324                      466099.74
3809259.59        0.18536
         466155.72    3809259.59        0.17873                      466211.70
3809259.59        0.17245
         466267.68    3809259.59        0.16648                      466323.66
3809259.59        0.16039
         466379.64    3809259.59        0.15479                      466435.62
3809259.59        0.14951
         466491.60    3809259.59        0.14434                      466547.58
3809259.59        0.13963
         466603.56    3809259.59        0.13499                      466659.54
3809259.59        0.13058
         466715.52    3809259.59        0.12656                      466771.50
3809259.59        0.12250
         466827.48    3809259.59        0.11872                      466883.46
3809259.59        0.11509
         464503.41    3807141.91        0.14473                      464523.41
3807141.91        0.14301
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                   INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                  L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                  L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                  L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464543.41	3807141.91	0.13977	464563.41	3807141.91	0.13608
464583.41	3807141.91	0.13436	464603.41	3807141.91	0.13142
464623.41	3807141.91	0.12814	464643.41	3807141.91	0.12632
464663.41	3807141.91	0.12359	464683.41	3807141.91	0.12072
464703.41	3807141.91	0.11959	464723.41	3807141.91	0.11700
464743.41	3807141.91	0.11378	464763.41	3807141.91	0.11129
464783.41	3807141.91	0.10856	464803.41	3807141.91	0.10622
464823.41	3807141.91	0.10646	464843.41	3807141.91	0.10501
464863.41	3807141.91	0.10282	464883.41	3807141.91	0.10142
464903.41	3807141.91	0.10183	464923.41	3807141.91	0.10472
464503.41	3807161.91	0.14608	464523.41	3807161.91	0.14422
464543.41	3807161.91	0.14080	464563.41	3807161.91	0.13694
464583.41	3807161.91	0.13516	464603.41	3807161.91	0.13335
464623.41	3807161.91	0.13127	464643.41	3807161.91	0.12760
464663.41	3807161.91	0.12559	464683.41	3807161.91	0.12418
464703.41	3807161.91	0.12098	464723.41	3807161.91	0.11764
464743.41	3807161.91	0.11484	464763.41	3807161.91	0.11487
464783.41	3807161.91	0.11294	464803.41	3807161.91	0.11026
464823.41	3807161.91	0.10818	464843.41	3807161.91	0.10592
464863.41	3807161.91	0.10425	464883.41	3807161.91	0.10565
464903.41	3807161.91	0.10527	464923.41		

3807161.91   0.10644
         464503.41   3807181.91   0.14895   464523.41
3807181.91   0.14579
         464543.41   3807181.91   0.14266   464563.41
3807181.91   0.13954
         464583.41   3807181.91   0.13640   464603.41
3807181.91   0.13433
         464623.41   3807181.91   0.13252   464643.41
3807181.91   0.12838
         464663.41   3807181.91   0.12653   464683.41
3807181.91   0.12550
         464703.41   3807181.91   0.12182   464723.41
3807181.91   0.11962
         464743.41   3807181.91   0.11822   464763.41
3807181.91   0.11697
         464783.41   3807181.91   0.11463   464803.41
3807181.91   0.11224
         464823.41   3807181.91   0.11183   464843.41
3807181.91   0.11018
         464863.41   3807181.91   0.10826   464883.41
3807181.91   0.10825
         464903.41   3807181.91   0.11249   464923.41
3807181.91   0.11470
         464503.41   3807201.91   0.15175   464523.41
3807201.91   0.14726
         464543.41   3807201.91   0.14443   464563.41
3807201.91   0.14217
         464583.41   3807201.91   0.13819   464603.41
3807201.91   0.13554
         464623.41   3807201.91   0.13333   464643.41
3807201.91   0.12975
         464663.41   3807201.91   0.12776   464683.41
3807201.91   0.12634
         464703.41   3807201.91   0.12337   464723.41
3807201.91   0.12223
         464743.41   3807201.91   0.12160   464763.41
3807201.91   0.11849
         464783.41   3807201.91   0.11614   464803.41
3807201.91   0.11468

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                 INCLUDING SOURCE(S):   L0006101   , L0006102

, L0006103   , L0006104   , L0006105   ,
                L0006106   , L0006107   , L0006108   , L0006109   , L0006110
, L0006111   , L0006112   , L0006113   ,
                L0006114   , L0006115   , L0006116   , L0006117   , L0006118
, L0006119   , L0006120   , L0006121   ,
                L0006122   , L0006123   , L0006124   , L0006125   , L0006126
, L0006127   , L0006128   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         464583.41    3807241.91        0.14267                    464603.41
3807241.91        0.13914
         464623.41    3807241.91        0.13523                    464643.41
3807241.91        0.13454
         464663.41    3807241.91        0.13311                    464683.41
3807241.91        0.13130
         464703.41    3807241.91        0.12966                    464723.41
3807241.91        0.12685
         464743.41    3807241.91        0.12399                    464763.41
3807241.91        0.12330
         464783.41    3807241.91        0.12276                    464803.41
3807241.91        0.12466
         464823.41    3807241.91        0.12681                    464843.41
3807241.91        0.13102
         464863.41    3807241.91        0.13047                    464883.41
3807241.91        0.12825
         464903.41    3807241.91        0.13182                    464923.41
3807241.91        0.13396
         464503.41    3807261.91        0.15583                    464523.41
3807261.91        0.15363
         464543.41    3807261.91        0.14957                    464563.41
3807261.91        0.14510
         464583.41    3807261.91        0.14350                    464603.41
3807261.91        0.14041
         464623.41    3807261.91        0.13696                    464643.41
3807261.91        0.13562
         464663.41    3807261.91        0.13533                    464683.41
3807261.91        0.13505
         464703.41    3807261.91        0.13138                    464723.41
3807261.91        0.12854
         464743.41    3807261.91        0.12670                    464763.41
3807261.91        0.12750
         464783.41    3807261.91        0.12900                    464803.41
3807261.91        0.13005
         464823.41    3807261.91        0.13576                    464843.41
3807261.91        0.13736
         464863.41    3807261.91        0.13785                    464883.41
3807261.91        0.13557
         464903.41    3807261.91        0.14046                    464923.41
3807261.91        0.14951
         464503.41    3807281.91        0.15693                    464523.41
3807281.91        0.15466
         464543.41    3807281.91        0.15049                    464563.41
3807281.91        0.14591
         464583.41    3807281.91        0.14434                    464603.41
3807281.91        0.14290
         464623.41    3807281.91        0.14121                    464643.41
3807281.91        0.13742
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
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*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 , L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 , L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 , L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464663.41	3807281.91	0.13634	464683.41	3807281.91	0.13616
464703.41	3807281.91	0.13252	464723.41	3807281.91	0.13187
464743.41	3807281.91	0.13235	464763.41	3807281.91	0.13245
464783.41	3807281.91	0.13511	464803.41	3807281.91	0.14061
464823.41	3807281.91	0.13863	464843.41	3807281.91	0.14353
464863.41	3807281.91	0.15277	464883.41	3807281.91	0.15028
464903.41	3807281.91	0.15664	464923.41	3807281.91	0.16323
464503.41	3807301.91	0.16015	464523.41	3807301.91	0.15624
464543.41	3807301.91	0.15258	464563.41	3807301.91	0.14914
464583.41	3807301.91	0.14585	464603.41	3807301.91	0.14417
464623.41	3807301.91	0.14294	464643.41	3807301.91	0.13860
464663.41	3807301.91	0.13742	464683.41		

3807301.91 0.13736
464703.41 3807301.91 0.13375 464723.41
3807301.91 0.13366
464743.41 3807301.91 0.13771 464763.41
3807301.91 0.13982
464783.41 3807301.91 0.14420 464803.41
3807301.91 0.14337
464823.41 3807301.91 0.14075 464843.41
3807301.91 0.14817
464863.41 3807301.91 0.16044 464883.41
3807301.91 0.16203
464903.41 3807301.91 0.16546 464923.41
3807301.91 0.16832
464503.41 3807321.91 0.16333 464523.41
3807321.91 0.15774
464543.41 3807321.91 0.15463 464563.41
3807321.91 0.15240
464583.41 3807321.91 0.14732 464603.41
3807321.91 0.14513
464623.41 3807321.91 0.14400 464643.41
3807321.91 0.13966
464663.41 3807321.91 0.13858 464683.41
3807321.91 0.13881
464703.41 3807321.91 0.13619 464723.41
3807321.91 0.13597
464743.41 3807321.91 0.13975 464763.41
3807321.91 0.14938
464783.41 3807321.91 0.14813 464803.41
3807321.91 0.14784
464823.41 3807321.91 0.14617 464843.41
3807321.91 0.15398
464863.41 3807321.91 0.16633 464883.41
3807321.91 0.17101
464903.41 3807321.91 0.17342 464923.41
3807321.91 0.17093
464503.41 3807341.91 0.16448 464523.41
3807341.91 0.15873
464543.41 3807341.91 0.15560 464563.41
3807341.91 0.15340
464583.41 3807341.91 0.14827 464603.41
3807341.91 0.14616
464623.41 3807341.91 0.14512 464643.41
3807341.91 0.14081
464663.41 3807341.91 0.13985 464683.41
3807341.91 0.14082
464703.41 3807341.91 0.14185 464723.41
3807341.91 0.14060
464743.41 3807341.91 0.14153 464763.41
3807341.91 0.15138
464783.41 3807341.91 0.15021 464803.41

3807341.91 0.15059
 464823.41 3807341.91 0.15917 464843.41
3807341.91 0.17173
 464863.41 3807341.91 0.17883 464883.41
3807341.91 0.17860
 464903.41 3807341.91 0.17603 464923.41
3807341.91 0.17597

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 ,
 L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 ,
 L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 ,
 L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464503.41	3807361.91	0.16593	464523.41	3807361.91	0.16203
464543.41	3807361.91	0.15829	464563.41	3807361.91	0.15444
464583.41	3807361.91	0.14928	464603.41	3807361.91	0.14725
464623.41	3807361.91	0.14676	464643.41	3807361.91	0.14494
464663.41	3807361.91	0.14336	464683.41	3807361.91	0.14245
464703.41	3807361.91	0.14439	464723.41	3807361.91	0.15023
464743.41	3807361.91	0.15243	464763.41	3807361.91	0.15450

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        464783.41    3807361.91        0.15917                    464803.41
3807361.91        0.16418
        464823.41    3807361.91        0.17728                    464843.41
3807361.91        0.18148
        464863.41    3807361.91        0.18439                    464883.41
3807361.91        0.18151
        464903.41    3807361.91        0.18421                    464923.41
3807361.91        0.20427
        464503.41    3807381.91        0.16839                    464523.41
3807381.91        0.16560
        464543.41    3807381.91        0.16100                    464563.41
3807381.91        0.15567
        464583.41    3807381.91        0.15133                    464603.41
3807381.91        0.14918
        464623.41    3807381.91        0.14845                    464643.41
3807381.91        0.14919
        464663.41    3807381.91        0.14766                    464683.41
3807381.91        0.14559
        464703.41    3807381.91        0.14660                    464723.41
3807381.91        0.15673
        464743.41    3807381.91        0.16345                    464763.41
3807381.91        0.16138
        464783.41    3807381.91        0.16657                    464803.41
3807381.91        0.17945
        464823.41    3807381.91        0.18763                    464843.41
3807381.91        0.19030
        464863.41    3807381.91        0.18737                    464883.41
3807381.91        0.18733
        464903.41    3807381.91        0.20822                    464923.41
3807381.91        0.22229
        464503.41    3807401.91        0.17326                    464523.41
3807401.91        0.16779
        464543.41    3807401.91        0.16219                    464563.41
3807401.91        0.15737
        464583.41    3807401.91        0.15617                    464603.41
3807401.91        0.15312
        464623.41    3807401.91        0.14992                    464643.41
3807401.91        0.15085
        464663.41    3807401.91        0.15194                    464683.41
3807401.91        0.15258
        464703.41    3807401.91        0.15271                    464723.41
3807401.91        0.15900
        464743.41    3807401.91        0.16659                    464763.41
3807401.91        0.17576
        464783.41    3807401.91        0.18181                    464803.41
3807401.91        0.18228
        464823.41    3807401.91        0.19059                    464843.41
3807401.91        0.19330
        464863.41    3807401.91        0.19302                    464883.41
3807401.91        0.21746
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         464903.41    3807401.91        0.21941                       464923.41
3807401.91        0.22572
         464503.41    3807421.91        0.17542                       464523.41
3807421.91        0.16928
         464543.41    3807421.91        0.16511                       464563.41
3807421.91        0.16202
         464583.41    3807421.91        0.15922                       464603.41
3807421.91        0.15699
         464623.41    3807421.91        0.15519                       464643.41
3807421.91        0.15364
         464663.41    3807421.91        0.15446                       464683.41
3807421.91        0.15920
         464703.41    3807421.91        0.16167                       464723.41
3807421.91        0.16668
         464743.41    3807421.91        0.16930                       464763.41
3807421.91        0.18189
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                   PAGE 370
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                   INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                  L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                  L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                  L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         464783.41    3807421.91        0.19181                       464803.41
3807421.91        0.19323
         464823.41    3807421.91        0.19675                       464843.41
3807421.91        0.20240
         464863.41    3807421.91        0.22412                       464883.41
```

3807421.91 0.22385
464903.41 3807421.91 0.23788 464923.41
3807421.91 0.23671
464503.41 3807441.91 0.17698 464523.41
3807441.91 0.17171
464543.41 3807441.91 0.16886 464563.41
3807441.91 0.16688
464583.41 3807441.91 0.16277 464603.41
3807441.91 0.16131
464623.41 3807441.91 0.16077 464643.41
3807441.91 0.15778
464663.41 3807441.91 0.15762 464683.41
3807441.91 0.16205
464703.41 3807441.91 0.17313 464723.41
3807441.91 0.17520
464743.41 3807441.91 0.17630 464763.41
3807441.91 0.18522
464783.41 3807441.91 0.19891 464803.41
3807441.91 0.20637
464823.41 3807441.91 0.20295 464843.41
3807441.91 0.22849
464863.41 3807441.91 0.24404 464883.41
3807441.91 0.24010
464903.41 3807441.91 0.24416 464923.41
3807441.91 0.24037
464503.41 3807461.91 0.17907 464523.41
3807461.91 0.17724
464543.41 3807461.91 0.17337 464563.41
3807461.91 0.16926
464583.41 3807461.91 0.16904 464603.41
3807461.91 0.16649
464623.41 3807461.91 0.16361 464643.41
3807461.91 0.16491
464663.41 3807461.91 0.16353 464683.41
3807461.91 0.16463
464703.41 3807461.91 0.17596 464723.41
3807461.91 0.18356
464743.41 3807461.91 0.19489 464763.41
3807461.91 0.19467
464783.41 3807461.91 0.20226 464803.41
3807461.91 0.20982
464823.41 3807461.91 0.20636 464843.41
3807461.91 0.23217
464863.41 3807461.91 0.24790 464883.41
3807461.91 0.24386
464903.41 3807461.91 0.24794 464923.41
3807461.91 0.24404
464503.41 3807481.91 0.18075 464523.41
3807481.91 0.17980
464543.41 3807481.91 0.17781 464563.41

3807481.91 0.17532
464583.41 3807481.91 0.17313 464603.41
3807481.91 0.17159
464623.41 3807481.91 0.17050 464643.41
3807481.91 0.16963
464663.41 3807481.91 0.17521 464683.41
3807481.91 0.17774
464703.41 3807481.91 0.18011 464723.41
3807481.91 0.19002
464743.41 3807481.91 0.20185 464763.41
3807481.91 0.19831
464783.41 3807481.91 0.20576 464803.41
3807481.91 0.21340
464823.41 3807481.91 0.20991 464843.41
3807481.91 0.23596
464863.41 3807481.91 0.25193 464883.41
3807481.91 0.25598
464903.41 3807481.91 0.25184 464923.41
3807481.91 0.24780
464503.41 3807501.91 0.18408 464523.41
3807501.91 0.18342
464543.41 3807501.91 0.18276 464563.41
3807501.91 0.18166
464583.41 3807501.91 0.17787 464603.41
3807501.91 0.17726

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 ,
L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 ,
L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 ,
L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464623.41	3807501.91	0.18087	464643.41	3807501.91	0.18119
464663.41	3807501.91	0.18439	464683.41	3807501.91	0.19102
464703.41	3807501.91	0.18859	464723.41	3807501.91	0.19444
464743.41	3807501.91	0.20824	464763.41	3807501.91	0.20562
464783.41	3807501.91	0.21023	464803.41	3807501.91	0.21727
464823.41	3807501.91	0.21695	464843.41	3807501.91	0.24024
464863.41	3807501.91	0.25604	464883.41	3807501.91	0.26009
464903.41	3807501.91	0.25581	464923.41	3807501.91	0.25162
464503.41	3807521.91	0.19179	464523.41	3807521.91	0.19178
464543.41	3807521.91	0.18869	464563.41	3807521.91	0.18497
464583.41	3807521.91	0.18596	464603.41	3807521.91	0.18399
464623.41	3807521.91	0.18471	464643.41	3807521.91	0.19290
464663.41	3807521.91	0.19446	464683.41	3807521.91	0.19527
464703.41	3807521.91	0.20567	464723.41	3807521.91	0.21240
464743.41	3807521.91	0.21267	464763.41	3807521.91	0.21865
464783.41	3807521.91	0.22428	464803.41	3807521.91	0.22415
464823.41	3807521.91	0.25152	464843.41	3807521.91	0.25337
464863.41	3807521.91	0.26018	464883.41	3807521.91	0.26422
464903.41	3807521.91	0.25981	464923.41	3807521.91	0.25549
464503.41	3807541.91	0.19984	464523.41	3807541.91	0.19682
464543.41	3807541.91	0.19456	464563.41	3807541.91	0.19283
464583.41	3807541.91	0.19138	464603.41	3807541.91	0.19718
464623.41	3807541.91	0.19960	464643.41	3807541.91	0.20184

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         464663.41    3807541.91        0.20735                        464683.41
3807541.91        0.20962
         464703.41    3807541.91        0.21727                        464723.41
3807541.91        0.22445
         464743.41    3807541.91        0.22583                        464763.41
3807541.91        0.22953
         464783.41    3807541.91        0.22885                        464803.41
3807541.91        0.22826
         464823.41    3807541.91        0.25886                        464843.41
3807541.91        0.27489
         464863.41    3807541.91        0.27308                        464883.41
3807541.91        0.26844
         464903.41    3807541.91        0.26392                        464923.41
3807541.91        0.25950
         464503.41    3807561.91        0.20715                        464523.41
3807561.91        0.20231
         464543.41    3807561.91        0.20108                        464563.41
3807561.91        0.20461
         464583.41    3807561.91        0.20449                        464603.41
3807561.91        0.20762
         464623.41    3807561.91        0.21461                        464643.41
3807561.91        0.21149
         464663.41    3807561.91        0.21763                        464683.41
3807561.91        0.23258
         464703.41    3807561.91        0.22931                        464723.41
3807561.91        0.23408
         464743.41    3807561.91        0.24138                        464763.41
3807561.91        0.23714
         464783.41    3807561.91        0.23629                        464803.41
3807561.91        0.23873
         464823.41    3807561.91        0.26339                        464843.41
3807561.91        0.28244
         464863.41    3807561.91        0.27758                        464883.41
3807561.91        0.27274
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 372
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                   INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                  L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                  L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
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L0006122 , L0006123 , L0006124 , L0006125 , L0006126
, L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464903.41	3807561.91	0.26809	464923.41	3807561.91	0.26356
464503.41	3807581.91	0.21108	464523.41	3807581.91	0.21159
464543.41	3807581.91	0.20882	464563.41	3807581.91	0.20911
464583.41	3807581.91	0.21781	464603.41	3807581.91	0.21910
464623.41	3807581.91	0.21957	464643.41	3807581.91	0.23076
464663.41	3807581.91	0.23784	464683.41	3807581.91	0.23775
464703.41	3807581.91	0.24402	464723.41	3807581.91	0.24989
464743.41	3807581.91	0.24592	464763.41	3807581.91	0.24161
464783.41	3807581.91	0.24798	464803.41	3807581.91	0.27292
464823.41	3807581.91	0.27120	464843.41	3807581.91	0.28709
464863.41	3807581.91	0.28208	464883.41	3807581.91	0.27709
464903.41	3807581.91	0.27230	464923.41	3807581.91	0.26764
464503.41	3807601.91	0.22101	464523.41	3807601.91	0.23080
464543.41	3807601.91	0.23119	464563.41	3807601.91	0.22606
464583.41	3807601.91	0.22807	464603.41	3807601.91	0.23376
464623.41	3807601.91	0.23586	464643.41	3807601.91	0.24395
464663.41	3807601.91	0.25152	464683.41	3807601.91	0.25265
464703.41	3807601.91	0.25637	464723.41	3807601.91	0.25523
464743.41	3807601.91	0.25384	464763.41		

3807601.91   0.28027
         464783.41   3807601.91   0.27936   464803.41
3807601.91   0.29313
         464823.41   3807601.91   0.29724   464843.41
3807601.91   0.29189
         464863.41   3807601.91   0.28667   464883.41
3807601.91   0.28158
         464903.41   3807601.91   0.27661   464923.41
3807601.91   0.27175
         464503.41   3807621.91   0.24124   464523.41
3807621.91   0.24929
         464543.41   3807621.91   0.24520   464563.41
3807621.91   0.24319
         464583.41   3807621.91   0.23916   464603.41
3807621.91   0.24555
         464623.41   3807621.91   0.26178   464643.41
3807621.91   0.25768
         464663.41   3807621.91   0.26255   464683.41
3807621.91   0.27024
         464703.41   3807621.91   0.26511   464723.41
3807621.91   0.26376
         464743.41   3807621.91   0.26609   464763.41
3807621.91   0.29307
         464783.41   3807621.91   0.30390   464803.41
3807621.91   0.30473
         464823.41   3807621.91   0.30233   464843.41
3807621.91   0.29679
         464863.41   3807621.91   0.29137   464883.41
3807621.91   0.28614
         464903.41   3807621.91   0.28099   464923.41
3807621.91   0.27595
         464503.41   3807641.91   0.26168   464523.41
3807641.91   0.25599
         464543.41   3807641.91   0.25001   464563.41
3807641.91   0.24906
         464583.41   3807641.91   0.26110   464603.41
3807641.91   0.26850
         464623.41   3807641.91   0.26789   464643.41
3807641.91   0.27444
         464663.41   3807641.91   0.28049   464683.41
3807641.91   0.27562
         464703.41   3807641.91   0.27039   464723.41
3807641.91   0.27706

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***

INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 , L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 , L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 , L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464743.41	3807641.91	0.30437	464763.41	3807641.91	0.30205
464783.41	3807641.91	0.31935	464803.41	3807641.91	0.31337
464823.41	3807641.91	0.30745	464843.41	3807641.91	0.30175
464863.41	3807641.91	0.29620	464883.41	3807641.91	0.29071
464903.41	3807641.91	0.28541	464923.41	3807641.91	0.28022
464503.41	3807661.91	0.28773	464523.41	3807661.91	0.28035
464543.41	3807661.91	0.27348	464563.41	3807661.91	0.26773
464583.41	3807661.91	0.27626	464603.41	3807661.91	0.28419
464623.41	3807661.91	0.28493	464643.41	3807661.91	0.28858
464663.41	3807661.91	0.29516	464683.41	3807661.91	0.32071
464703.41	3807661.91	0.31431	464723.41	3807661.91	0.31231
464743.41	3807661.91	0.32726	464763.41	3807661.91	0.33142
464783.41	3807661.91	0.32502	464803.41	3807661.91	0.31879
464823.41	3807661.91	0.31272	464843.41	3807661.91	0.30680

464863.41 3807661.91 0.30102 464883.41 3807661.91 0.29539
464903.41 3807661.91 0.28988 464923.41 3807661.91 0.28451
464503.41 3807681.91 0.32222 464523.41 3807681.91 0.31408
464543.41 3807681.91 0.30645 464563.41 3807681.91 0.29931
464583.41 3807681.91 0.29261 464603.41 3807681.91 0.29696
464623.41 3807681.91 0.30520 464643.41 3807681.91 0.30333
464663.41 3807681.91 0.33392 464683.41 3807681.91 0.35433
464703.41 3807681.91 0.35095 464723.41 3807681.91 0.34386
464743.41 3807681.91 0.34057 464763.41 3807681.91 0.33744
464783.41 3807681.91 0.33079 464803.41 3807681.91 0.32430
464823.41 3807681.91 0.31806 464843.41 3807681.91 0.31192
464863.41 3807681.91 0.30592 464883.41 3807681.91 0.30011
464903.41 3807681.91 0.29441 464923.41 3807681.91 0.28884
464523.41 3807701.91 0.34389 464543.41 3807701.91 0.33558
464563.41 3807701.91 0.32776 464583.41 3807701.91 0.32037
464603.41 3807701.91 0.31753 464623.41 3807701.91 0.31578
464643.41 3807701.91 0.35219 464663.41 3807701.91 0.35325
464683.41 3807701.91 0.36128 464703.41 3807701.91 0.36553
464723.41 3807701.91 0.35799 464743.41 3807701.91 0.35062
464763.41 3807701.91 0.34349 464783.41 3807701.91 0.33664
464803.41 3807701.91 0.32999 464823.41 3807701.91 0.32343
464843.41 3807701.91 0.31709 464863.41 3807701.91 0.31092
464883.41 3807701.91 0.30485 464903.41 3807701.91 0.29897
464923.41 3807701.91 0.29322 464543.41 3807721.91 0.36278
464563.41 3807721.91 0.34000 464583.41 3807721.91 0.33234

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                  INCLUDING SOURCE(S):   L0006101   , L0006102
, L0006103   , L0006104   , L0006105   ,
                  L0006106   , L0006107   , L0006108   , L0006109   , L0006110
, L0006111   , L0006112   , L0006113   ,
                  L0006114   , L0006115   , L0006116   , L0006117   , L0006118
, L0006119   , L0006120   , L0006121   ,
                  L0006122   , L0006123   , L0006124   , L0006125   , L0006126
, L0006127   , L0006128   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464643.41   3807721.91   0.36361   464663.41
3807721.91   0.38460
         464683.41   3807721.91   0.38051   464703.41
3807721.91   0.37250
         464723.41   3807721.91   0.36466   464743.41
3807721.91   0.35704
         464763.41   3807721.91   0.34973   464783.41
3807721.91   0.34260
         464803.41   3807721.91   0.33567   464823.41
3807721.91   0.32892
         464843.41   3807721.91   0.32234   464863.41
3807721.91   0.31593
         464883.41   3807721.91   0.30968   464903.41
3807721.91   0.30358
         464923.41   3807721.91   0.29763   464943.41
3807721.91   0.29182
         464963.41   3807721.91   0.28613   464983.41
3807721.91   0.28059
         465003.41   3807721.91   0.27516   465023.41

3807721.91 0.26988
465043.41 3807721.91 0.26472 465063.41
3807721.91 0.25969
465083.41 3807721.91 0.25479 465103.41
3807721.91 0.25003
465123.41 3807721.91 0.24546 465143.41
3807721.91 0.24094
465163.41 3807721.91 0.23652 465183.41
3807721.91 0.23229
465203.41 3807721.91 0.22811 465223.41
3807721.91 0.22401
465243.41 3807721.91 0.22000 465263.41
3807721.91 0.21610
465283.41 3807721.91 0.21231 465303.41
3807721.91 0.20869
465323.41 3807721.91 0.20510 465343.41
3807721.91 0.20159
465363.41 3807721.91 0.19824 465383.41
3807721.91 0.19492
464543.41 3807741.91 0.44052 464563.41
3807741.91 0.36275
464583.41 3807741.91 0.34947 464603.41
3807741.91 0.34137
464623.41 3807741.91 0.33858 464643.41
3807741.91 0.37582
464663.41 3807741.91 0.39653 464683.41
3807741.91 0.38800
464703.41 3807741.91 0.37959 464723.41
3807741.91 0.37146
464743.41 3807741.91 0.36360 464763.41
3807741.91 0.35606
464783.41 3807741.91 0.34866 464803.41
3807741.91 0.34145
464823.41 3807741.91 0.33448 464843.41
3807741.91 0.32764
464863.41 3807741.91 0.32099 464883.41
3807741.91 0.31454
464903.41 3807741.91 0.30823 464923.41
3807741.91 0.30209
464943.41 3807741.91 0.29605 464963.41
3807741.91 0.29020
464983.41 3807741.91 0.28452 465003.41
3807741.91 0.27886
465023.41 3807741.91 0.27342 465043.41
3807741.91 0.26816
465063.41 3807741.91 0.26293 465083.41
3807741.91 0.25794
465103.41 3807741.91 0.25313 465123.41
3807741.91 0.24841
465143.41 3807741.91 0.24373 465163.41

3807741.91   0.23916
         465183.41   3807741.91   0.23480   465203.41
3807741.91   0.23058
         465223.41   3807741.91   0.22645   465243.41
3807741.91   0.22231
         465263.41   3807741.91   0.21837   465283.41
3807741.91   0.21459
         465303.41   3807741.91   0.21086   465323.41
3807741.91   0.20716
         465343.41   3807741.91   0.20353   465363.41
3807741.91   0.20009

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                  INCLUDING SOURCE(S):   L0006101   , L0006102
, L0006103   , L0006104   , L0006105   ,
                  L0006106   , L0006107   , L0006108   , L0006109   , L0006110
, L0006111   , L0006112   , L0006113   ,
                  L0006114   , L0006115   , L0006116   , L0006117   , L0006118
, L0006119   , L0006120   , L0006121   ,
                  L0006122   , L0006123   , L0006124   , L0006125   , L0006126
, L0006127   , L0006128   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465383.41   3807741.91   0.19677   464543.41
3807761.91   0.46590
         464563.41   3807761.91   0.45430   464583.41
3807761.91   0.42901
         464603.41   3807761.91   0.39658   464623.41
3807761.91   0.39226
         464643.41   3807761.91   0.41370   464663.41
3807761.91   0.40450
         464683.41   3807761.91   0.39551   464703.41
3807761.91   0.38678

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        464723.41    3807761.91        0.37845                    464743.41
3807761.91        0.37038
        464763.41    3807761.91        0.36244                    464783.41
3807761.91        0.35479
        464803.41    3807761.91        0.34736                    464823.41
3807761.91        0.34007
        464843.41    3807761.91        0.33299                    464863.41
3807761.91        0.32611
        464883.41    3807761.91        0.31945                    464903.41
3807761.91        0.31294
        464923.41    3807761.91        0.30661                    464943.41
3807761.91        0.30038
        464963.41    3807761.91        0.29435                    464983.41
3807761.91        0.28850
        465003.41    3807761.91        0.28268                    465023.41
3807761.91        0.27701
        465043.41    3807761.91        0.27152                    465063.41
3807761.91        0.26629
        465083.41    3807761.91        0.26121                    465103.41
3807761.91        0.25625
        465123.41    3807761.91        0.25129                    465143.41
3807761.91        0.24655
        465163.41    3807761.91        0.24196                    465183.41
3807761.91        0.23736
        465203.41    3807761.91        0.23301                    465223.41
3807761.91        0.22883
        465243.41    3807761.91        0.22474                    465263.41
3807761.91        0.22077
        465283.41    3807761.91        0.21689                    465303.41
3807761.91        0.21297
        465323.41    3807761.91        0.20925                    465343.41
3807761.91        0.20564
        465363.41    3807761.91        0.20201                    465383.41
3807761.91        0.19859
        464543.41    3807781.91        0.47671                    464563.41
3807781.91        0.46495
        464583.41    3807781.91        0.45360                    464603.41
3807781.91        0.44270
        464623.41    3807781.91        0.43222                    464643.41
3807781.91        0.42220
        464663.41    3807781.91        0.41261                    464683.41
3807781.91        0.40336
        464703.41    3807781.91        0.39430                    464723.41
3807781.91        0.38558
        464743.41    3807781.91        0.37715                    464763.41
3807781.91        0.36898
        464783.41    3807781.91        0.36102                    464803.41
3807781.91        0.35328
        464823.41    3807781.91        0.34574                    464843.41
3807781.91        0.33843
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         464863.41    3807781.91        0.33134                       464883.41
3807781.91        0.32443
         464903.41    3807781.91        0.31770                       464923.41
3807781.91        0.31114
         464943.41    3807781.91        0.30474                       464963.41
3807781.91        0.29850
         464983.41    3807781.91        0.29243                       465003.41
3807781.91        0.28653
         465023.41    3807781.91        0.28072                       465043.41
3807781.91        0.27506
         465063.41    3807781.91        0.26972                       465083.41
3807781.91        0.26446
         465103.41    3807781.91        0.25931                       465123.41
3807781.91        0.25430
         465143.41    3807781.91        0.24943                       465163.41
3807781.91        0.24468
         465183.41    3807781.91        0.24007                       465203.41
3807781.91        0.23566
         465223.41    3807781.91        0.23139                       465243.41
3807781.91        0.22713
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 376
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                  L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                  L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                  L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         465263.41    3807781.91        0.22306                       465283.41
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3807781.91        0.21913
         465303.41    3807781.91        0.21522                    465323.41
3807781.91        0.21140
         465343.41    3807781.91        0.20769                    465363.41
3807781.91        0.20408
         465383.41    3807781.91        0.20064                    464543.41
3807801.91        0.48679
         464563.41    3807801.91        0.47531                    464583.41
3807801.91        0.46378
         464603.41    3807801.91        0.45250                    464623.41
3807801.91        0.44153
         464643.41    3807801.91        0.43090                    464663.41
3807801.91        0.42091
         464683.41    3807801.91        0.41133                    464703.41
3807801.91        0.40192
         464723.41    3807801.91        0.39284                    464743.41
3807801.91        0.38406
         464763.41    3807801.91        0.37560                    464783.41
3807801.91        0.36733
         464803.41    3807801.91        0.35929                    464823.41
3807801.91        0.35150
         464843.41    3807801.91        0.34396                    464863.41
3807801.91        0.33661
         464883.41    3807801.91        0.32947                    464903.41
3807801.91        0.32250
         464923.41    3807801.91        0.31569                    464943.41
3807801.91        0.30913
         464963.41    3807801.91        0.30269                    464983.41
3807801.91        0.29641
         465003.41    3807801.91        0.29040                    465023.41
3807801.91        0.28447
         465043.41    3807801.91        0.27869                    465063.41
3807801.91        0.27318
         465083.41    3807801.91        0.26773                    465103.41
3807801.91        0.26242
         465123.41    3807801.91        0.25737                    465143.41
3807801.91        0.25236
         465163.41    3807801.91        0.24747                    465183.41
3807801.91        0.24288
         465203.41    3807801.91        0.23839                    465223.41
3807801.91        0.23398
         465243.41    3807801.91        0.22959                    465263.41
3807801.91        0.22543
         465283.41    3807801.91        0.22144                    465303.41
3807801.91        0.21753
         465323.41    3807801.91        0.21362                    465343.41
3807801.91        0.20981
         465363.41    3807801.91        0.20626                    465383.41
3807801.91        0.20276
         464543.41    3807821.91        0.49644                    464563.41
```

3807821.91   0.48473
         464583.41   3807821.91   0.47351   464603.41
3807821.91   0.46222
         464623.41   3807821.91   0.45087   464643.41
3807821.91   0.43988
         464663.41   3807821.91   0.42939   464683.41
3807821.91   0.41932
         464703.41   3807821.91   0.40956   464723.41
3807821.91   0.40021
         464743.41   3807821.91   0.39115   464763.41
3807821.91   0.38230
         464783.41   3807821.91   0.37371   464803.41
3807821.91   0.36540
         464823.41   3807821.91   0.35737   464843.41
3807821.91   0.34956
         464863.41   3807821.91   0.34196   464883.41
3807821.91   0.33453
         464903.41   3807821.91   0.32734   464923.41
3807821.91   0.32038
         464943.41   3807821.91   0.31351   464963.41
3807821.91   0.30692
         464983.41   3807821.91   0.30055   465003.41
3807821.91   0.29423
         465023.41   3807821.91   0.28820   465043.41
3807821.91   0.28238
         465063.41   3807821.91   0.27658   465083.41
3807821.91   0.27105
         465103.41   3807821.91   0.26572   465123.41
3807821.91   0.26039

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                 INCLUDING SOURCE(S):   L0006101   , L0006102
, L0006103   , L0006104   , L0006105   ,
                 L0006106   , L0006107   , L0006108   , L0006109   , L0006110
, L0006111   , L0006112   , L0006113   ,
                 L0006114   , L0006115   , L0006116   , L0006117   , L0006118
, L0006119   , L0006120   , L0006121   ,
                 L0006122   , L0006123   , L0006124   , L0006125   , L0006126
, L0006127   , L0006128   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465143.41	3807821.91	0.25533	465163.41	3807821.91	0.25049
465183.41	3807821.91	0.24581	465203.41	3807821.91	0.24112
465223.41	3807821.91	0.23652	465243.41	3807821.91	0.23221
465263.41	3807821.91	0.22803	465283.41	3807821.91	0.22395
465303.41	3807821.91	0.21981	465323.41	3807821.91	0.21590
465343.41	3807821.91	0.21216	465363.41	3807821.91	0.20854
465383.41	3807821.91	0.20490	464543.41	3807841.91	0.50506
464563.41	3807841.91	0.49295	464583.41	3807841.91	0.48235
464603.41	3807841.91	0.47156	464623.41	3807841.91	0.46040
464643.41	3807841.91	0.44910	464663.41	3807841.91	0.43817
464683.41	3807841.91	0.42762	464723.41	3807841.91	0.40772
464743.41	3807841.91	0.39827	464763.41	3807841.91	0.38909
464783.41	3807841.91	0.38023	464803.41	3807841.91	0.37165
464823.41	3807841.91	0.36332	464843.41	3807841.91	0.35522
464863.41	3807841.91	0.34735	464883.41	3807841.91	0.33970
464903.41	3807841.91	0.33226	464923.41	3807841.91	0.32504
464943.41	3807841.91	0.31804	464963.41	3807841.91	0.31124
464983.41	3807841.91	0.30464	465003.41	3807841.91	0.29824
465023.41	3807841.91	0.29203	465043.41	3807841.91	0.28600
465063.41	3807841.91	0.28015	465083.41	3807841.91	0.27447
465103.41	3807841.91	0.26895	465123.41	3807841.91	0.26361

```
         465143.41    3807841.91        0.25841                       465163.41
3807841.91        0.25338
         465183.41    3807841.91        0.24862                       465203.41
3807841.91        0.24391
         465223.41    3807841.91        0.23929                       465243.41
3807841.91        0.23480
         465263.41    3807841.91        0.23052                       465283.41
3807841.91        0.22639
         465303.41    3807841.91        0.22228                       465323.41
3807841.91        0.21836
         465343.41    3807841.91        0.21457                       465363.41
3807841.91        0.21077
         465383.41    3807841.91        0.20709                       464503.41
3807861.91        0.54328
         464523.41    3807861.91        0.52773                       464543.41
3807861.91        0.51358
         464563.41    3807861.91        0.50083                       464583.41
3807861.91        0.49041
         464603.41    3807861.91        0.48009                       464723.41
3807861.91        0.41535
         464743.41    3807861.91        0.40552                       464763.41
3807861.91        0.39601
         464783.41    3807861.91        0.38686                       464803.41
3807861.91        0.37798
         464823.41    3807861.91        0.36936                       464843.41
3807861.91        0.36097
         464863.41    3807861.91        0.35280                       464883.41
3807861.91        0.34495
         464903.41    3807861.91        0.33726                       464923.41
3807861.91        0.32979
         464943.41    3807861.91        0.32265                       464963.41
3807861.91        0.31564
         464983.41    3807861.91        0.30882                       465003.41
3807861.91        0.30233
         465023.41    3807861.91        0.29594                       465043.41
3807861.91        0.28971
         465063.41    3807861.91        0.28381                       465083.41
3807861.91        0.27797
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 378
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
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                 L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                 L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                 L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465103.41    3807861.91        0.27228                       465123.41
3807861.91        0.26691
         465143.41    3807861.91        0.26157                       465163.41
3807861.91        0.25637
         465183.41    3807861.91        0.25147                       465203.41
3807861.91        0.24674
         465223.41    3807861.91        0.24214                       465243.41
3807861.91        0.23749
         465263.41    3807861.91        0.23312                       465283.41
3807861.91        0.22893
         465303.41    3807861.91        0.22483                       465323.41
3807861.91        0.22087
         465343.41    3807861.91        0.21701                       465363.41
3807861.91        0.21309
         465383.41    3807861.91        0.20937                       464503.41
3807881.91        0.55493
         464523.41    3807881.91        0.53869                       464543.41
3807881.91        0.52400
         464723.41    3807881.91        0.42309                       464743.41
3807881.91        0.41291
         464763.41    3807881.91        0.40306                       464783.41
3807881.91        0.39360
         464803.41    3807881.91        0.38443                       464823.41
3807881.91        0.37546
         464843.41    3807881.91        0.36680                       464863.41
3807881.91        0.35844
         464883.41    3807881.91        0.35021                       464903.41
3807881.91        0.34234
         464923.41    3807881.91        0.33476                       464943.41
3807881.91        0.32726
         464963.41    3807881.91        0.32012                       464983.41
3807881.91        0.31324
         465003.41    3807881.91        0.30641                       465023.41
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3807881.91        0.29993
         465043.41    3807881.91        0.29368                       465063.41
3807881.91        0.28745
         465083.41    3807881.91        0.28155                       465103.41
3807881.91        0.27588
         465123.41    3807881.91        0.27019                       465143.41
3807881.91        0.26482
         465163.41    3807881.91        0.25965                       465183.41
3807881.91        0.25445
         465203.41    3807881.91        0.24958                       465223.41
3807881.91        0.24494
         465243.41    3807881.91        0.24039                       465263.41
3807881.91        0.23601
         465283.41    3807881.91        0.23173                       465303.41
3807881.91        0.22737
         465323.41    3807881.91        0.22330                       465343.41
3807881.91        0.21941
         465363.41    3807881.91        0.21560                       465383.41
3807881.91        0.21177
         464723.41    3807901.91        0.43108                       464743.41
3807901.91        0.42046
         464763.41    3807901.91        0.41033                       464783.41
3807901.91        0.40052
         464803.41    3807901.91        0.39102                       464823.41
3807901.91        0.38175
         464843.41    3807901.91        0.37283                       464863.41
3807901.91        0.36423
         464883.41    3807901.91        0.35573                       464903.41
3807901.91        0.34757
         464923.41    3807901.91        0.33971                       464943.41
3807901.91        0.33211
         464963.41    3807901.91        0.32485                       464983.41
3807901.91        0.31783
         465003.41    3807901.91        0.31079                       465023.41
3807901.91        0.30406
         465043.41    3807901.91        0.29760                       465063.41
3807901.91        0.29135
         465083.41    3807901.91        0.28528                       465103.41
3807901.91        0.27941
         465123.41    3807901.91        0.27373                       465143.41
3807901.91        0.26821
         465163.41    3807901.91        0.26286                       465183.41
3807901.91        0.25769
         465203.41    3807901.91        0.25277                       465223.41
3807901.91        0.24802
         465243.41    3807901.91        0.24329                       465263.41
3807901.91        0.23880
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***

INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 , L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 , L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 , L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465283.41	3807901.91	0.23447	465303.41	3807901.91	0.23015
465323.41	3807901.91	0.22594	465343.41	3807901.91	0.22188
465363.41	3807901.91	0.21805	465383.41	3807901.91	0.21425
464723.41	3807921.91	0.43916	464743.41	3807921.91	0.42826
464763.41	3807921.91	0.41776	464783.41	3807921.91	0.40760
464803.41	3807921.91	0.39778	464823.41	3807921.91	0.38822
464843.41	3807921.91	0.37901	464863.41	3807921.91	0.37013
464883.41	3807921.91	0.36138	464903.41	3807921.91	0.35293
464923.41	3807921.91	0.34481	464943.41	3807921.91	0.33716
464963.41	3807921.91	0.32973	464983.41	3807921.91	0.32249
465003.41	3807921.91	0.31528	465023.41	3807921.91	0.30833
465043.41	3807921.91	0.30166	465063.41	3807921.91	0.29537

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        465083.41    3807921.91        0.28915                    465103.41
3807921.91        0.28309
        465123.41    3807921.91        0.27739                    465143.41
3807921.91        0.27173
        465163.41    3807921.91        0.26622                    465183.41
3807921.91        0.26104
        465203.41    3807921.91        0.25607                    465223.41
3807921.91        0.25122
        465243.41    3807921.91        0.24632                    465263.41
3807921.91        0.24168
        465283.41    3807921.91        0.23725                    465303.41
3807921.91        0.23301
        465323.41    3807921.91        0.22873                    465343.41
3807921.91        0.22453
        465363.41    3807921.91        0.22065                    465383.41
3807921.91        0.21684
        464723.41    3807941.91        0.44692                    464743.41
3807941.91        0.43615
        464763.41    3807941.91        0.42535                    464783.41
3807941.91        0.41484
        464803.41    3807941.91        0.40462                    464823.41
3807941.91        0.39485
        464843.41    3807941.91        0.38531                    464863.41
3807941.91        0.37601
        464883.41    3807941.91        0.36698                    464903.41
3807941.91        0.35843
        464923.41    3807941.91        0.35028                    464943.41
3807941.91        0.34243
        464963.41    3807941.91        0.33468                    464983.41
3807941.91        0.32709
        465003.41    3807941.91        0.31969                    465023.41
3807941.91        0.31274
        465043.41    3807941.91        0.30607                    465063.41
3807941.91        0.29941
        465083.41    3807941.91        0.29314                    465103.41
3807941.91        0.28711
        465123.41    3807941.91        0.28106                    465143.41
3807941.91        0.27537
        465163.41    3807941.91        0.26991                    465183.41
3807941.91        0.26440
        465203.41    3807941.91        0.25927                    465223.41
3807941.91        0.25438
        465243.41    3807941.91        0.24961                    465263.41
3807941.91        0.24482
        465283.41    3807941.91        0.24014                    465303.41
3807941.91        0.23583
        465323.41    3807941.91        0.23162                    465343.41
3807941.91        0.22752
        465363.41    3807941.91        0.22358                    465383.41
3807941.91        0.21957
```

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                 INCLUDING SOURCE(S):   L0006101   , L0006102
, L0006103   , L0006104   , L0006105   ,
                  L0006106   , L0006107   , L0006108   , L0006109   , L0006110
, L0006111   , L0006112   , L0006113   ,
                  L0006114   , L0006115   , L0006116   , L0006117   , L0006118
, L0006119   , L0006120   , L0006121   ,
                  L0006122   , L0006123   , L0006124   , L0006125   , L0006126
, L0006127   , L0006128   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        465523.41   3807941.91   0.19528   465543.41
3807941.91   0.19199
        465563.41   3807941.91   0.18891   465583.41
3807941.91   0.18597
        465603.41   3807941.91   0.18314   465623.41
3807941.91   0.18023
        465643.41   3807941.91   0.17737   465663.41
3807941.91   0.17471
        465683.41   3807941.91   0.17201   465703.41
3807941.91   0.16935
        464723.41   3807961.91   0.45407   464743.41
3807961.91   0.44379
        464763.41   3807961.91   0.43304   464783.41
3807961.91   0.42226
        464803.41   3807961.91   0.41174   464823.41

3807961.91 0.40157
464843.41 3807961.91 0.39178 464863.41
3807961.91 0.38231
464883.41 3807961.91 0.37303 464903.41
3807961.91 0.36428
464923.41 3807961.91 0.35592 464943.41
3807961.91 0.34771
464963.41 3807961.91 0.33980 464983.41
3807961.91 0.33213
465003.41 3807961.91 0.32456 465023.41
3807961.91 0.31749
465043.41 3807961.91 0.31071 465063.41
3807961.91 0.30385
465083.41 3807961.91 0.29733 465103.41
3807961.91 0.29109
465123.41 3807961.91 0.28506 465143.41
3807961.91 0.27921
465163.41 3807961.91 0.27355 465183.41
3807961.91 0.26808
465203.41 3807961.91 0.26277 465223.41
3807961.91 0.25765
465243.41 3807961.91 0.25284 465263.41
3807961.91 0.24807
465283.41 3807961.91 0.24342 465303.41
3807961.91 0.23904
465323.41 3807961.91 0.23467 465343.41
3807961.91 0.23040
465363.41 3807961.91 0.22639 465383.41
3807961.91 0.22240
465403.41 3807961.91 0.21848 465423.41
3807961.91 0.21465
465443.41 3807961.91 0.21103 465463.41
3807961.91 0.20776
465483.41 3807961.91 0.20423 465503.41
3807961.91 0.20089
465523.41 3807961.91 0.19767 465543.41
3807961.91 0.19443
465563.41 3807961.91 0.19135 465583.41
3807961.91 0.18837
465603.41 3807961.91 0.18536 465623.41
3807961.91 0.18243
465643.41 3807961.91 0.17958 465663.41
3807961.91 0.17679
465683.41 3807961.91 0.17408 465703.41
3807961.91 0.17145
464743.41 3807981.91 0.45125 464763.41
3807981.91 0.44067
464783.41 3807981.91 0.42981 464803.41
3807981.91 0.41908
464823.41 3807981.91 0.40846 464843.41

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 ,
L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 ,
L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 ,
L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465143.41	3807981.91	0.28329	465163.41	3807981.91	0.27738
465183.41	3807981.91	0.27191	465203.41	3807981.91	0.26646
465223.41	3807981.91	0.26116	465243.41	3807981.91	0.25627

```
         465263.41    3807981.91        0.25153                    465283.41
3807981.91        0.24692
         465303.41    3807981.91        0.24239                    465323.41
3807981.91        0.23786
         465343.41    3807981.91        0.23343                    465363.41
3807981.91        0.22929
         465383.41    3807981.91        0.22531                    465403.41
3807981.91        0.22143
         465423.41    3807981.91        0.21744                    465443.41
3807981.91        0.21373
         465463.41    3807981.91        0.21052                    465483.41
3807981.91        0.20685
         465503.41    3807981.91        0.20344                    465523.41
3807981.91        0.20018
         465543.41    3807981.91        0.19696                    465563.41
3807981.91        0.19385
         465583.41    3807981.91        0.19081                    465603.41
3807981.91        0.18767
         465623.41    3807981.91        0.18472                    465643.41
3807981.91        0.18187
         465663.41    3807981.91        0.17896                    465683.41
3807981.91        0.17626
         465703.41    3807981.91        0.17368                    464763.41
3808001.91        0.44807
         464783.41    3808001.91        0.43732                    464803.41
3808001.91        0.42650
         464823.41    3808001.91        0.41552                    464843.41
3808001.91        0.40521
         464863.41    3808001.91        0.39533                    464883.41
3808001.91        0.38550
         464903.41    3808001.91        0.37630                    464923.41
3808001.91        0.36755
         464943.41    3808001.91        0.35908                    464963.41
3808001.91        0.35072
         464983.41    3808001.91        0.34261                    465003.41
3808001.91        0.33502
         465023.41    3808001.91        0.32750                    465043.41
3808001.91        0.32020
         465063.41    3808001.91        0.31338                    465083.41
3808001.91        0.30656
         465103.41    3808001.91        0.29993                    465123.41
3808001.91        0.29384
         465143.41    3808001.91        0.28769                    465163.41
3808001.91        0.28161
         465183.41    3808001.91        0.27576                    465203.41
3808001.91        0.27030
         465223.41    3808001.91        0.26512                    465243.41
3808001.91        0.26013
         465263.41    3808001.91        0.25530                    465283.41
3808001.91        0.25056
```

```
         465303.41    3808001.91        0.24570                       465323.41
3808001.91        0.24117
         465343.41    3808001.91        0.23681                       465363.41
3808001.91        0.23236
         465383.41    3808001.91        0.22825                       465403.41
3808001.91        0.22433
         465423.41    3808001.91        0.22049                       465443.41
3808001.91        0.21679
         465463.41    3808001.91        0.21325                       465483.41
3808001.91        0.20971
         465503.41    3808001.91        0.20630                       465523.41
3808001.91        0.20294
         465543.41    3808001.91        0.19948                       465563.41
3808001.91        0.19626
         465583.41    3808001.91        0.19320                       465603.41
3808001.91        0.19019
         465623.41    3808001.91        0.18712                       465643.41
3808001.91        0.18411
         465663.41    3808001.91        0.18132                       465683.41
3808001.91        0.17862
         465703.41    3808001.91        0.17596                       464763.41
3808021.91        0.45469
         464783.41    3808021.91        0.44410                       464803.41
3808021.91        0.43352
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 382
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                  L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                  L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                  L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
```

Y-COORD (M) CONC

- - - -

3808041.91   0.42992
         464843.41   3808041.91   0.41946   464863.41
3808041.91   0.40923
         464883.41   3808041.91   0.39931   464903.41
3808041.91   0.38952
         464923.41   3808041.91   0.38004   464943.41
3808041.91   0.37122
         464963.41   3808041.91   0.36272   464983.41
3808041.91   0.35446
         465003.41   3808041.91   0.34613   465023.41
3808041.91   0.33832
         465043.41   3808041.91   0.33087   465063.41
3808041.91   0.32345
         465083.41   3808041.91   0.31646   465103.41
3808041.91   0.30976
         465123.41   3808041.91   0.30306   465143.41
3808041.91   0.29675
         465163.41   3808041.91   0.29070   465183.41
3808041.91   0.28464
         465203.41   3808041.91   0.27893   465223.41
3808041.91   0.27344
         465243.41   3808041.91   0.26793   465263.41
3808041.91   0.26274
         465283.41   3808041.91   0.25781   465303.41
3808041.91   0.25310
         465323.41   3808041.91   0.24831   465343.41
3808041.91   0.24362
         465363.41   3808041.91   0.23924   465383.41
3808041.91   0.23504
         465403.41   3808041.91   0.23093   465423.41
3808041.91   0.22671
         465443.41   3808041.91   0.22279   465463.41
3808041.91   0.21941

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                INCLUDING SOURCE(S):   L0006101   , L0006102
, L0006103   , L0006104   , L0006105   ,
                 L0006106   , L0006107   , L0006108   , L0006109   , L0006110
, L0006111   , L0006112   , L0006113   ,
                 L0006114   , L0006115   , L0006116   , L0006117   , L0006118
, L0006119   , L0006120   , L0006121   ,
                 L0006122   , L0006123   , L0006124   , L0006125   , L0006126

, L0006127   , L0006128   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465483.41	3808041.91	0.21552	465503.41	3808041.91	0.21187
465523.41	3808041.91	0.20839	465543.41	3808041.91	0.20505
465563.41	3808041.91	0.20163	465583.41	3808041.91	0.19827
465603.41	3808041.91	0.19519	465623.41	3808041.91	0.19218
465643.41	3808041.91	0.18924	465663.41	3808041.91	0.18633
465683.41	3808041.91	0.18338	465703.41	3808041.91	0.18049
464803.41	3808061.91	0.44775	464823.41	3808061.91	0.43712
464843.41	3808061.91	0.42675	464863.41	3808061.91	0.41661
464883.41	3808061.91	0.40645	464903.41	3808061.91	0.39661
464923.41	3808061.91	0.38716	464943.41	3808061.91	0.37811
464963.41	3808061.91	0.36939	464983.41	3808061.91	0.36092
465003.41	3808061.91	0.35239	465023.41	3808061.91	0.34418
465043.41	3808061.91	0.33634	465063.41	3808061.91	0.32906
465083.41	3808061.91	0.32180	465103.41	3808061.91	0.31474
465123.41	3808061.91	0.30819	465143.41	3808061.91	0.30164
465163.41	3808061.91	0.29525	465183.41	3808061.91	0.28935
465203.41	3808061.91	0.28341	465223.41	3808061.91	0.27762
465243.41	3808061.91	0.27227	465263.41	3808061.91	0.26687
465283.41	3808061.91	0.26161	465303.41	3808061.91	0.25680

```
         465323.41    3808061.91        0.25209                        465343.41
3808061.91        0.24747
         465363.41    3808061.91        0.24274                        465383.41
3808061.91        0.23837
         465403.41    3808061.91        0.23423                        465423.41
3808061.91        0.23016
         465443.41    3808061.91        0.22623                        465463.41
3808061.91        0.22249
         465483.41    3808061.91        0.21874                        465503.41
3808061.91        0.21493
         465523.41    3808061.91        0.21121                        465543.41
3808061.91        0.20780
         465563.41    3808061.91        0.20446                        465583.41
3808061.91        0.20119
         465603.41    3808061.91        0.19804                        465623.41
3808061.91        0.19497
         465643.41    3808061.91        0.19194                        465663.41
3808061.91        0.18879
         465683.41    3808061.91        0.18584                        465703.41
3808061.91        0.18304
         464823.41    3808081.91        0.44513                        464843.41
3808081.91        0.43437
         464863.41    3808081.91        0.42388                        464883.41
3808081.91        0.41380
         464903.41    3808081.91        0.40408                        464923.41
3808081.91        0.39466
         464943.41    3808081.91        0.38536                        464963.41
3808081.91        0.37625
         464983.41    3808081.91        0.36740                        465003.41
3808081.91        0.35889
         465023.41    3808081.91        0.35052                        465043.41
3808081.91        0.34244
         465063.41    3808081.91        0.33504                        465083.41
3808081.91        0.32758
         465103.41    3808081.91        0.32026                        465123.41
3808081.91        0.31337
         465143.41    3808081.91        0.30672                        465163.41
3808081.91        0.30031
         465183.41    3808081.91        0.29408                        465203.41
3808081.91        0.28807
         465223.41    3808081.91        0.28226                        465243.41
3808081.91        0.27661
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 384
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***

INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 , L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 , L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 , L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465263.41	3808081.91	0.27115	465283.41	3808081.91	0.26591
465303.41	3808081.91	0.26099	465323.41	3808081.91	0.25607
465343.41	3808081.91	0.25124	465363.41	3808081.91	0.24656
465383.41	3808081.91	0.24215	465403.41	3808081.91	0.23788
465423.41	3808081.91	0.23358	465443.41	3808081.91	0.22952
465463.41	3808081.91	0.22589	465483.41	3808081.91	0.22193
465503.41	3808081.91	0.21808	465523.41	3808081.91	0.21435
465543.41	3808081.91	0.21070	465563.41	3808081.91	0.20727
465583.41	3808081.91	0.20397	465603.41	3808081.91	0.20076
465623.41	3808081.91	0.19763	465643.41	3808081.91	0.19455
465663.41	3808081.91	0.19144	465683.41	3808081.91	0.18850
465703.41	3808081.91	0.18565	464843.41	3808101.91	0.44239
464863.41	3808101.91	0.43168	464883.41	3808101.91	0.42171
464903.41	3808101.91	0.41196	464923.41	3808101.91	0.40241
464943.41	3808101.91	0.39286	464963.41		

3808101.91 0.38340
464983.41 3808101.91 0.37423 465003.41
3808101.91 0.36563
465023.41 3808101.91 0.35714 465043.41
3808101.91 0.34892
465063.41 3808101.91 0.34123 465083.41
3808101.91 0.33354
465103.41 3808101.91 0.32601 465123.41
3808101.91 0.31881
465143.41 3808101.91 0.31211 465163.41
3808101.91 0.30569
465183.41 3808101.91 0.29908 465203.41
3808101.91 0.29294
465223.41 3808101.91 0.28707 465243.41
3808101.91 0.28116
465263.41 3808101.91 0.27568 465283.41
3808101.91 0.27047
465303.41 3808101.91 0.26535 465323.41
3808101.91 0.26020
465343.41 3808101.91 0.25518 465363.41
3808101.91 0.25051
465383.41 3808101.91 0.24603 465403.41
3808101.91 0.24165
465423.41 3808101.91 0.23714 465443.41
3808101.91 0.23296
465463.41 3808101.91 0.22938 465483.41
3808101.91 0.22523
465503.41 3808101.91 0.22134 465523.41
3808101.91 0.21758
465543.41 3808101.91 0.21376 465563.41
3808101.91 0.21022
465583.41 3808101.91 0.20686 465603.41
3808101.91 0.20358
465623.41 3808101.91 0.20038 465643.41
3808101.91 0.19726
465663.41 3808101.91 0.19416 465683.41
3808101.91 0.19119
465703.41 3808101.91 0.18825 464863.41
3808121.91 0.44090
464883.41 3808121.91 0.43061 464903.41
3808121.91 0.42029
464923.41 3808121.91 0.41018 464943.41
3808121.91 0.40038
464963.41 3808121.91 0.39089 464983.41
3808121.91 0.38168
465003.41 3808121.91 0.37249 465023.41
3808121.91 0.36390
465043.41 3808121.91 0.35568 465063.41
3808121.91 0.34743
465083.41 3808121.91 0.33943 465103.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                 INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                 L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                 L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                 L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

```
         465523.41    3808121.91        0.22073                    465543.41
3808121.91        0.21705
         465563.41    3808121.91        0.21350                    465583.41
3808121.91        0.21006
         465603.41    3808121.91        0.20670                    465623.41
3808121.91        0.20343
         465643.41    3808121.91        0.20020                    465663.41
3808121.91        0.19684
         465683.41    3808121.91        0.19373                    465703.41
3808121.91        0.19078
         464883.41    3808141.91        0.43931                    464903.41
3808141.91        0.42902
         464923.41    3808141.91        0.41880                    464943.41
3808141.91        0.40871
         464963.41    3808141.91        0.39900                    464983.41
3808141.91        0.38957
         465003.41    3808141.91        0.38004                    465023.41
3808141.91        0.37122
         465043.41    3808141.91        0.36281                    465063.41
3808141.91        0.35426
         465083.41    3808141.91        0.34600                    465103.41
3808141.91        0.33812
         465123.41    3808141.91        0.33096                    465143.41
3808141.91        0.32385
         465163.41    3808141.91        0.31690                    465183.41
3808141.91        0.31020
         465203.41    3808141.91        0.30355                    465223.41
3808141.91        0.29711
         465243.41    3808141.91        0.29129                    465263.41
3808141.91        0.28547
         465283.41    3808141.91        0.27977                    465303.41
3808141.91        0.27426
         465323.41    3808141.91        0.26890                    465343.41
3808141.91        0.26371
         465363.41    3808141.91        0.25868                    465383.41
3808141.91        0.25395
         465403.41    3808141.91        0.24938                    465423.41
3808141.91        0.24476
         465443.41    3808141.91        0.24042                    465463.41
3808141.91        0.23627
         465483.41    3808141.91        0.23223                    465503.41
3808141.91        0.22817
         465523.41    3808141.91        0.22418                    465543.41
3808141.91        0.22027
         465563.41    3808141.91        0.21660                    465583.41
3808141.91        0.21308
         465603.41    3808141.91        0.20966                    465623.41
3808141.91        0.20631
         465643.41    3808141.91        0.20303                    465663.41
3808141.91        0.19971
```

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                  INCLUDING SOURCE(S):   L0006101   , L0006102
, L0006103   , L0006104   , L0006105   ,
                  L0006106   , L0006107   , L0006108   , L0006109   , L0006110
, L0006111   , L0006112   , L0006113   ,
                  L0006114   , L0006115   , L0006116   , L0006117   , L0006118
, L0006119   , L0006120   , L0006121   ,
                  L0006122   , L0006123   , L0006124   , L0006125   , L0006126
, L0006127   , L0006128   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465043.41   3808161.91   0.37012   465063.41
3808161.91   0.36132
         465083.41   3808161.91   0.35289   465103.41
3808161.91   0.34486
         465123.41   3808161.91   0.33738   465143.41
3808161.91   0.32993
         465163.41   3808161.91   0.32269   465183.41
3808161.91   0.31595
         465203.41   3808161.91   0.30923   465223.41
3808161.91   0.30268
         465243.41   3808161.91   0.29659   465263.41

3808161.91 0.29050
465283.41 3808161.91 0.28455 465303.41
3808161.91 0.27903
465323.41 3808161.91 0.27349 465343.41
3808161.91 0.26807
465363.41 3808161.91 0.26305 465383.41
3808161.91 0.25823
465403.41 3808161.91 0.25352 465423.41
3808161.91 0.24867
465443.41 3808161.91 0.24418 465463.41
3808161.91 0.23992
465483.41 3808161.91 0.23570 465503.41
3808161.91 0.23166
465523.41 3808161.91 0.22769 465543.41
3808161.91 0.22359
465563.41 3808161.91 0.21980 465583.41
3808161.91 0.21620
465603.41 3808161.91 0.21269 465623.41
3808161.91 0.20923
465643.41 3808161.91 0.20585 465663.41
3808161.91 0.20261
465683.41 3808161.91 0.19928 465703.41
3808161.91 0.19598
464903.41 3808181.91 0.44732 464923.41
3808181.91 0.43680
464943.41 3808181.91 0.42608 464963.41
3808181.91 0.41577
464983.41 3808181.91 0.40584 465003.41
3808181.91 0.39622
465023.41 3808181.91 0.38667 465043.41
3808181.91 0.37733
465063.41 3808181.91 0.36824 465083.41
3808181.91 0.35983
465103.41 3808181.91 0.35181 465123.41
3808181.91 0.34372
465143.41 3808181.91 0.33619 465163.41
3808181.91 0.32898
465183.41 3808181.91 0.32168 465203.41
3808181.91 0.31489
465223.41 3808181.91 0.30839 465243.41
3808181.91 0.30178
465263.41 3808181.91 0.29564 465283.41
3808181.91 0.28975
465303.41 3808181.91 0.28375 465323.41
3808181.91 0.27817
465343.41 3808181.91 0.27282 465363.41
3808181.91 0.26735
465383.41 3808181.91 0.26231 465403.41
3808181.91 0.25754
465423.41 3808181.91 0.25285 465443.41

3808181.91   0.24834
         465463.41   3808181.91   0.24391   465483.41
3808181.91   0.23932
         465503.41   3808181.91   0.23509   465523.41
3808181.91   0.23108
         465543.41   3808181.91   0.22713   465563.41
3808181.91   0.22332
         465583.41   3808181.91   0.21963   465603.41
3808181.91   0.21604
         465623.41   3808181.91   0.21234   465643.41
3808181.91   0.20870
         465663.41   3808181.91   0.20538   465683.41
3808181.91   0.20212
         465703.41   3808181.91   0.19889   464923.41
3808201.91   0.44559
         464943.41   3808201.91   0.43495   464963.41
3808201.91   0.42445
         464983.41   3808201.91   0.41423   465003.41
3808201.91   0.40439

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                 INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                 L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                 L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                 L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
        465063.41    3808201.91        0.37581                    465083.41
3808201.91        0.36707
        465103.41    3808201.91        0.35864                    465123.41
3808201.91        0.35055
        465143.41    3808201.91        0.34271                    465163.41
3808201.91        0.33514
        465183.41    3808201.91        0.32785                    465203.41
3808201.91        0.32078
        465223.41    3808201.91        0.31395                    465243.41
3808201.91        0.30736
        465263.41    3808201.91        0.30098                    465283.41
3808201.91        0.29479
        465303.41    3808201.91        0.28882                    465323.41
3808201.91        0.28302
        465343.41    3808201.91        0.27740                    465363.41
3808201.91        0.27196
        465383.41    3808201.91        0.26668                    465403.41
3808201.91        0.26159
        465423.41    3808201.91        0.25685                    465443.41
3808201.91        0.25225
        465463.41    3808201.91        0.24774                    465483.41
3808201.91        0.24319
        465503.41    3808201.91        0.23891                    465523.41
3808201.91        0.23480
        465543.41    3808201.91        0.23080                    465563.41
3808201.91        0.22678
        465583.41    3808201.91        0.22285                    465603.41
3808201.91        0.21917
        465623.41    3808201.91        0.21547                    465643.41
3808201.91        0.21185
        465663.41    3808201.91        0.20845                    465683.41
3808201.91        0.20503
        465703.41    3808201.91        0.20164                    464943.41
3808221.91        0.44409
        464963.41    3808221.91        0.43343                    464983.41
3808221.91        0.42288
        465003.41    3808221.91        0.41274                    465023.41
3808221.91        0.40262
        465043.41    3808221.91        0.39278                    465063.41
3808221.91        0.38363
        465083.41    3808221.91        0.37446                    465103.41
3808221.91        0.36557
        465123.41    3808221.91        0.35751                    465143.41
3808221.91        0.34941
        465163.41    3808221.91        0.34150                    465183.41
3808221.91        0.33416
        465203.41    3808221.91        0.32682                    465223.41
3808221.91        0.31969
        465243.41    3808221.91        0.31307                    465263.41
3808221.91        0.30643
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         465283.41    3808221.91        0.29998                       465303.41
3808221.91        0.29399
         465323.41    3808221.91        0.28797                       465343.41
3808221.91        0.28210
         465363.41    3808221.91        0.27666                       465383.41
3808221.91        0.27118
         465403.41    3808221.91        0.26585                       465423.41
3808221.91        0.26098
         465443.41    3808221.91        0.25626                       465463.41
3808221.91        0.25167
         465483.41    3808221.91        0.24721                       465503.41
3808221.91        0.24282
         465523.41    3808221.91        0.23855                       465543.41
3808221.91        0.23445
         465563.41    3808221.91        0.23025                       465583.41
3808221.91        0.22612
         465603.41    3808221.91        0.22236                       465623.41
3808221.91        0.21864
         465643.41    3808221.91        0.21502                       465663.41
3808221.91        0.21154
         465683.41    3808221.91        0.20797                       465703.41
3808221.91        0.20444
         464963.41    3808241.91        0.44269                       464983.41
3808241.91        0.43180
         465003.41    3808241.91        0.42133                       465023.41
3808241.91        0.41118
         465043.41    3808241.91        0.40131                       465063.41
3808241.91        0.39139
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 388
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                 L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                 L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                 L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465083.41	3808241.91	0.38179	465103.41	3808241.91	0.37261
465123.41	3808241.91	0.36431	465143.41	3808241.91	0.35624
465163.41	3808241.91	0.34836	465183.41	3808241.91	0.34037
465203.41	3808241.91	0.33296	465223.41	3808241.91	0.32586
465243.41	3808241.91	0.31865	465263.41	3808241.91	0.31196
465283.41	3808241.91	0.30556	465303.41	3808241.91	0.29903
465323.41	3808241.91	0.29297	465343.41	3808241.91	0.28716
465363.41	3808241.91	0.28122	465383.41	3808241.91	0.27572
465403.41	3808241.91	0.27051	465423.41	3808241.91	0.26551
465443.41	3808241.91	0.26066	465463.41	3808241.91	0.25594
465483.41	3808241.91	0.25136	465503.41	3808241.91	0.24666
465523.41	3808241.91	0.24204	465543.41	3808241.91	0.23785
465563.41	3808241.91	0.23373	465583.41	3808241.91	0.22971
465603.41	3808241.91	0.22585	465623.41	3808241.91	0.22188
465643.41	3808241.91	0.21797	465663.41	3808241.91	0.21441
465683.41	3808241.91	0.21092	465703.41	3808241.91	0.20745
464983.41	3808261.91	0.43966	465003.41	3808261.91	0.42933
465023.41	3808261.91	0.41910	465043.41	3808261.91	0.40904
465063.41	3808261.91	0.39909	465083.41	3808261.91	0.38951
465103.41	3808261.91	0.38028	465123.41	3808261.91	0.37134
465143.41	3808261.91	0.36298	465163.41	3808261.91	0.35496
465183.41	3808261.91	0.34699	465203.41		

3808261.91 0.33926
465223.41 3808261.91 0.33180 465243.41
3808261.91 0.32460
465263.41 3808261.91 0.31784 465283.41
3808261.91 0.31130
465303.41 3808261.91 0.30450 465323.41
3808261.91 0.29809
465343.41 3808261.91 0.29198 465363.41
3808261.91 0.28609
465383.41 3808261.91 0.28036 465403.41
3808261.91 0.27485
465423.41 3808261.91 0.26971 465443.41
3808261.91 0.26473
465463.41 3808261.91 0.25991 465483.41
3808261.91 0.25521
465503.41 3808261.91 0.25050 465523.41
3808261.91 0.24590
465543.41 3808261.91 0.24160 465563.41
3808261.91 0.23727
465583.41 3808261.91 0.23303 465603.41
3808261.91 0.22908
465623.41 3808261.91 0.22511 465643.41
3808261.91 0.22119
465663.41 3808261.91 0.21736 465683.41
3808261.91 0.21376
465703.41 3808261.91 0.21028 465003.41
3808281.91 0.43726
465023.41 3808281.91 0.42692 465043.41
3808281.91 0.41675
465063.41 3808281.91 0.40670 465083.41
3808281.91 0.39722
465103.41 3808281.91 0.38806 465123.41
3808281.91 0.37865
465143.41 3808281.91 0.36995 465163.41
3808281.91 0.36172
465183.41 3808281.91 0.35367 465203.41
3808281.91 0.34564

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***

INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 ,
L0006106 , L0006107 , L0006108 , L0006109 , L0006110

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, L0006111    , L0006112    , L0006113    ,
                L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465223.41    3808281.91        0.33786                       465243.41
3808281.91        0.33074
         465263.41    3808281.91        0.32378                       465283.41
3808281.91        0.31694
         465303.41    3808281.91        0.30995                       465323.41
3808281.91        0.30326
         465343.41    3808281.91        0.29688                       465363.41
3808281.91        0.29097
         465383.41    3808281.91        0.28503                       465403.41
3808281.91        0.27924
         465423.41    3808281.91        0.27387                       465443.41
3808281.91        0.26873
         465463.41    3808281.91        0.26392                       465483.41
3808281.91        0.25910
         465503.41    3808281.91        0.25442                       465523.41
3808281.91        0.24986
         465543.41    3808281.91        0.24536                       465563.41
3808281.91        0.24082
         465583.41    3808281.91        0.23638                       465603.41
3808281.91        0.23234
         465623.41    3808281.91        0.22835                       465643.41
3808281.91        0.22440
         465663.41    3808281.91        0.22037                       465683.41
3808281.91        0.21661
         465703.41    3808281.91        0.21303                       465003.41
3808301.91        0.44544
         465023.41    3808301.91        0.43504                       465043.41
3808301.91        0.42495
         465063.41    3808301.91        0.41401                       465083.41
3808301.91        0.40445
         465103.41    3808301.91        0.39554                       465123.41
3808301.91        0.38631
         465143.41    3808301.91        0.37749                       465163.41
3808301.91        0.36891
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         465183.41    3808301.91        0.36015                       465203.41
3808301.91        0.35203
         465223.41    3808301.91        0.34437                       465243.41
3808301.91        0.33703
         465263.41    3808301.91        0.32959                       465283.41
3808301.91        0.32222
         465303.41    3808301.91        0.31503                       465323.41
3808301.91        0.30841
         465343.41    3808301.91        0.30210                       465363.41
3808301.91        0.29565
         465383.41    3808301.91        0.28968                       465403.41
3808301.91        0.28397
         465423.41    3808301.91        0.27810                       465443.41
3808301.91        0.27273
         465463.41    3808301.91        0.26829                       465483.41
3808301.91        0.26334
         465503.41    3808301.91        0.25853                       465523.41
3808301.91        0.25380
         465543.41    3808301.91        0.24890                       465563.41
3808301.91        0.24435
         465583.41    3808301.91        0.24003                       465603.41
3808301.91        0.23588
         465623.41    3808301.91        0.23162                       465643.41
3808301.91        0.22742
         465663.41    3808301.91        0.22355                       465683.41
3808301.91        0.21961
         465703.41    3808301.91        0.21575                       465043.41
3808321.91        0.43268
         465063.41    3808321.91        0.42224                       465083.41
3808321.91        0.41240
         465103.41    3808321.91        0.40297                       465123.41
3808321.91        0.39357
         465143.41    3808321.91        0.38451                       465163.41
3808321.91        0.37571
         465183.41    3808321.91        0.36696                       465203.41
3808321.91        0.35875
         465223.41    3808321.91        0.35086                       465243.41
3808321.91        0.34295
         465263.41    3808321.91        0.33514                       465283.41
3808321.91        0.32755
         465303.41    3808321.91        0.32048                       465323.41
3808321.91        0.31362
         465343.41    3808321.91        0.30699                       465363.41
3808321.91        0.30059
         465383.41    3808321.91        0.29439                       465403.41
3808321.91        0.28838
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***

INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 , L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 , L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 , L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465423.41	3808321.91	0.28257	465443.41	3808321.91	0.27712
465463.41	3808321.91	0.27227	465483.41	3808321.91	0.26721
465503.41	3808321.91	0.26229	465523.41	3808321.91	0.25747
465543.41	3808321.91	0.25262	465563.41	3808321.91	0.24805
465583.41	3808321.91	0.24364	465603.41	3808321.91	0.23917
465623.41	3808321.91	0.23485	465643.41	3808321.91	0.23065
465663.41	3808321.91	0.22654	465683.41	3808321.91	0.22257
465703.41	3808321.91	0.21870	465083.41	3808341.91	0.42041
465103.41	3808341.91	0.41038	465123.41	3808341.91	0.40086
465143.41	3808341.91	0.39158	465163.41	3808341.91	0.38258
465183.41	3808341.91	0.37391	465203.41	3808341.91	0.36545
465223.41	3808341.91	0.35718	465243.41	3808341.91	0.34888
465263.41	3808341.91	0.34077	465283.41		

3808341.91 0.33300
465303.41 3808341.91 0.32591 465323.41
3808341.91 0.31872
465343.41 3808341.91 0.31172 465363.41
3808341.91 0.30545
465383.41 3808341.91 0.29906 465403.41
3808341.91 0.29279
465423.41 3808341.91 0.28700 465443.41
3808341.91 0.28145
465463.41 3808341.91 0.27626 465483.41
3808341.91 0.27107
465503.41 3808341.91 0.26604 465523.41
3808341.91 0.26113
465543.41 3808341.91 0.25630 465563.41
3808341.91 0.25166
465583.41 3808341.91 0.24712 465603.41
3808341.91 0.24243
465623.41 3808341.91 0.23805 465643.41
3808341.91 0.23383
465663.41 3808341.91 0.22952 465683.41
3808341.91 0.22550
465703.41 3808341.91 0.22162 465103.41
3808361.91 0.41779
465123.41 3808361.91 0.40855 465143.41
3808361.91 0.39915
465163.41 3808361.91 0.38987 465183.41
3808361.91 0.38093
465203.41 3808361.91 0.37190 465223.41
3808361.91 0.36309
465243.41 3808361.91 0.35501 465263.41
3808361.91 0.34682
465283.41 3808361.91 0.33876 465303.41
3808361.91 0.33104
465323.41 3808361.91 0.32354 465343.41
3808361.91 0.31636
465363.41 3808361.91 0.30993 465383.41
3808361.91 0.30364
465403.41 3808361.91 0.29747 465423.41
3808361.91 0.29115
465443.41 3808361.91 0.28536 465463.41
3808361.91 0.28058
465483.41 3808361.91 0.27526 465503.41
3808361.91 0.27009
465523.41 3808361.91 0.26501 465543.41
3808361.91 0.25976
465563.41 3808361.91 0.25492 465583.41
3808361.91 0.25034
465603.41 3808361.91 0.24583 465623.41
3808361.91 0.24125
465643.41 3808361.91 0.23676 465663.41

3808361.91 0.23264
465683.41 3808361.91 0.22843 465703.41
3808361.91 0.22431
465183.41 3808381.91 0.38682 465203.41
3808381.91 0.37763

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 ,
L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 ,
L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 ,
L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465223.41	3808381.91	0.36878	465243.41	3808381.91	0.36020
465263.41	3808381.91	0.35172	465283.41	3808381.91	0.34350
465303.41	3808381.91	0.33586	465323.41	3808381.91	0.32825
465343.41	3808381.91	0.32090	465363.41	3808381.91	0.31432
465383.41	3808381.91	0.30795	465403.41	3808381.91	0.30174
465423.41	3808381.91	0.29550	465443.41	3808381.91	0.28964
465463.41	3808381.91	0.28443	465483.41	3808381.91	0.27899
465503.41	3808381.91	0.27372	465523.41	3808381.91	0.26856

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        465543.41    3808381.91        0.26336                    465563.41
3808381.91        0.25831
        465583.41    3808381.91        0.25345                    465603.41
3808381.91        0.24892
        465623.41    3808381.91        0.24437                    465643.41
3808381.91        0.23989
        465663.41    3808381.91        0.23552                    465683.41
3808381.91        0.23129
        465703.41    3808381.91        0.22717                    465303.41
3808401.91        0.34032
        465323.41    3808401.91        0.33273                    465343.41
3808401.91        0.32532
        465363.41    3808401.91        0.31860                    465383.41
3808401.91        0.31210
        465403.41    3808401.91        0.30580                    465423.41
3808401.91        0.29970
        465443.41    3808401.91        0.29379                    465463.41
3808401.91        0.28808
        465483.41    3808401.91        0.28253                    465503.41
3808401.91        0.27715
        465523.41    3808401.91        0.27192                    465543.41
3808401.91        0.26686
        465563.41    3808401.91        0.26168                    465583.41
3808401.91        0.25660
        465603.41    3808401.91        0.25198                    465623.41
3808401.91        0.24743
        465643.41    3808401.91        0.24294                    465663.41
3808401.91        0.23836
        465683.41    3808401.91        0.23409                    465703.41
3808401.91        0.22997
        465323.41    3808421.91        0.33680                    465343.41
3808421.91        0.32962
        465363.41    3808421.91        0.32276                    465383.41
3808421.91        0.31612
        465403.41    3808421.91        0.30970                    465423.41
3808421.91        0.30347
        465443.41    3808421.91        0.29745                    465463.41
3808421.91        0.29161
        465483.41    3808421.91        0.28596                    465503.41
3808421.91        0.28047
        465523.41    3808421.91        0.27515                    465543.41
3808421.91        0.26999
        465563.41    3808421.91        0.26494                    465583.41
3808421.91        0.26002
        465603.41    3808421.91        0.25530                    465623.41
3808421.91        0.25045
        465643.41    3808421.91        0.24569                    465663.41
3808421.91        0.24131
        465683.41    3808421.91        0.23685                    465703.41
3808421.91        0.23248
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102
, L0006103 , L0006104 , L0006105 ,
L0006106 , L0006107 , L0006108 , L0006109 , L0006110
, L0006111 , L0006112 , L0006113 ,
L0006114 , L0006115 , L0006116 , L0006117 , L0006118
, L0006119 , L0006120 , L0006121 ,
L0006122 , L0006123 , L0006124 , L0006125 , L0006126
, L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M) CONC X-COORD (M)
Y-COORD (M) CONC
- - - -

```
3808461.91        0.33124
         465383.41    3808461.91        0.32460                    465403.41
3808461.91        0.31801
         465423.41    3808461.91        0.31153                    465443.41
3808461.91        0.30526
         465463.41    3808461.91        0.29919                    465483.41
3808461.91        0.29330
         465503.41    3808461.91        0.28767                    465523.41
3808461.91        0.28222
         465543.41    3808461.91        0.27685                    465563.41
3808461.91        0.27164
         465583.41    3808461.91        0.26659                    465603.41
3808461.91        0.26169
         465623.41    3808461.91        0.25662                    465643.41
3808461.91        0.25155
         465663.41    3808461.91        0.24662                    465683.41
3808461.91        0.24215
         465703.41    3808461.91        0.23792                    465343.41
3808481.91        0.34147
         465363.41    3808481.91        0.33432                    465383.41
3808481.91        0.32776
         465403.41    3808481.91        0.32145                    465423.41
3808481.91        0.31487
         465443.41    3808481.91        0.30850                    465463.41
3808481.91        0.30232
         465483.41    3808481.91        0.29635                    465503.41
3808481.91        0.29088
         465523.41    3808481.91        0.28564                    465543.41
3808481.91        0.28017
         465563.41    3808481.91        0.27487                    465583.41
3808481.91        0.26972
         465603.41    3808481.91        0.26473                    465623.41
3808481.91        0.25957
         465643.41    3808481.91        0.25442                    465663.41
3808481.91        0.24942
         465683.41    3808481.91        0.24487                    465703.41
3808481.91        0.24052
         465463.41    3808501.91        0.30572                    465483.41
3808501.91        0.29933
         465503.41    3808501.91        0.29375                    465523.41
3808501.91        0.28850
         465543.41    3808501.91        0.28295                    465563.41
3808501.91        0.27775
         465583.41    3808501.91        0.27270                    465603.41
3808501.91        0.26737
         465623.41    3808501.91        0.26222                    465643.41
3808501.91        0.25719
         465663.41    3808501.91        0.25211                    465683.41
3808501.91        0.24749
         465703.41    3808501.91        0.24306                    465523.41
```

3808521.91   0.29108
         465543.41   3808521.91   0.28546   465563.41
3808521.91   0.28037
         465583.41   3808521.91   0.27541   465603.41
3808521.91   0.26987
         465623.41   3808521.91   0.26470   465643.41
3808521.91   0.25973
         465663.41   3808521.91   0.25467   465683.41
3808521.91   0.24995
         465703.41   3808521.91   0.24540   464239.31
3809562.31   0.68864
         464277.31   3809562.31   0.65950   463745.31
3809591.37   1.03061
         463783.31   3809591.37   1.01808   463821.31
3809591.37   1.00194
         463859.31   3809591.37   0.98926   463897.31
3809591.37   0.97388
         463935.31   3809591.37   0.94965   464239.31
3809591.37   0.66671
         464277.31   3809591.37   0.63875   463745.31
3809620.43   0.97920
         463783.31   3809620.43   0.96884   463821.31
3809620.43   0.95746

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                  INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                 L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                 L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                 L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC

- - - -

```
         464315.31    3809678.55        0.55942                       464353.31
3809678.55        0.53997
         464391.31    3809678.55        0.52084                       464429.31
3809678.55        0.50170
         464467.31    3809678.55        0.48470                       464505.31
3809678.55        0.46668
         463745.31    3809707.61        0.84318                       463783.31
3809707.61        0.83865
         463821.31    3809707.61        0.83243                       463859.31
3809707.61        0.82137
         463897.31    3809707.61        0.80592                       463935.31
3809707.61        0.79029
         463973.31    3809707.61        0.76807                       464011.31
3809707.61        0.74186
         464049.31    3809707.61        0.71757                       464087.31
3809707.61        0.69010
         464125.31    3809707.61        0.66298                       464163.31
3809707.61        0.63716
         464201.31    3809707.61        0.61095                       464239.31
3809707.61        0.58711
         464277.31    3809707.61        0.56429                       464315.31
3809707.61        0.54439
         464353.31    3809707.61        0.52401                       464391.31
3809707.61        0.50627
         464429.31    3809707.61        0.48804                       464467.31
3809707.61        0.47151
         464505.31    3809707.61        0.45553                       463745.31
3809736.67        0.80833
         463783.31    3809736.67        0.80086                       463821.31
3809736.67        0.79202
         463859.31    3809736.67        0.78305                       463897.31
3809736.67        0.77062
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 394
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                 INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                 L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                 L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                 L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463935.31	3809736.67	0.75404	463973.31	3809736.67	0.73722
464011.31	3809736.67	0.71649	464049.31	3809736.67	0.69190
464087.31	3809736.67	0.66824	464125.31	3809736.67	0.64293
464163.31	3809736.67	0.61876	464201.31	3809736.67	0.59291
464239.31	3809736.67	0.57066	464277.31	3809736.67	0.54876
464315.31	3809736.67	0.52851	464353.31	3809736.67	0.50986
464391.31	3809736.67	0.49258	464429.31	3809736.67	0.47523
464467.31	3809736.67	0.45981	464505.31	3809736.67	0.44492
463745.31	3809765.73	0.77655	463783.31	3809765.73	0.76836
463821.31	3809765.73	0.75821	463859.31	3809765.73	0.74828
463897.31	3809765.73	0.73766	463935.31	3809765.73	0.72053
463973.31	3809765.73	0.70241	464011.31	3809765.73	0.68951
464049.31	3809765.73	0.66980	464087.31	3809765.73	0.64674
464125.31	3809765.73	0.62426	464163.31	3809765.73	0.60119
464201.31	3809765.73	0.57647	464239.31	3809765.73	0.55518
464277.31	3809765.73	0.53420	464315.31	3809765.73	0.51415
464353.31	3809765.73	0.49679	464391.31	3809765.73	0.47918
464429.31	3809765.73	0.46360	464467.31	3809765.73	0.44912
464505.31	3809765.73	0.43365	463745.31	3809794.79	0.74703
463783.31	3809794.79	0.73694	463821.31		

3809794.79   0.72699
         463859.31   3809794.79   0.71559   463897.31
3809794.79   0.70484
         463935.31   3809794.79   0.68880   463973.31
3809794.79   0.67171
         464011.31   3809794.79   0.65914   464049.31
3809794.79   0.64761
         464087.31   3809794.79   0.62661   464125.31
3809794.79   0.60456
         464163.31   3809794.79   0.58260   464201.31
3809794.79   0.56067
         464239.31   3809794.79   0.53921   464277.31
3809794.79   0.51932
         464315.31   3809794.79   0.50077   464353.31
3809794.79   0.48296
         464391.31   3809794.79   0.46704   464429.31
3809794.79   0.45262
         464467.31   3809794.79   0.43758   464505.31
3809794.79   0.42341
         463745.31   3809823.85   0.71944   463783.31
3809823.85   0.70793
         463821.31   3809823.85   0.69534   463859.31
3809823.85   0.68503
         463897.31   3809823.85   0.67339   463935.31
3809823.85   0.65842
         463973.31   3809823.85   0.64336   464011.31
3809823.85   0.62990
         464049.31   3809823.85   0.62006   464087.31
3809823.85   0.60572
         464125.31   3809823.85   0.58658   464163.31
3809823.85   0.56562
         464201.31   3809823.85   0.54409   464239.31
3809823.85   0.52439
         464277.31   3809823.85   0.50542   464315.31
3809823.85   0.48683
         464353.31   3809823.85   0.47032   464391.31
3809823.85   0.45531
         464429.31   3809823.85   0.44073   464467.31
3809823.85   0.42681
         464505.31   3809823.85   0.41288   463745.31
3809852.91   0.69483

VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102
, L0006103 , L0006104 , L0006105 ,
L0006106 , L0006107 , L0006108 , L0006109 , L0006110
, L0006111 , L0006112 , L0006113 ,
L0006114 , L0006115 , L0006116 , L0006117 , L0006118
, L0006119 , L0006120 , L0006121 ,
L0006122 , L0006123 , L0006124 , L0006125 , L0006126
, L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463783.31	3809852.91	0.68353	463821.31	3809852.91	0.66841
463859.31	3809852.91	0.65744	463897.31	3809852.91	0.64434
463935.31	3809852.91	0.63028	463973.31	3809852.91	0.61669
464011.31	3809852.91	0.60308	464049.31	3809852.91	0.59268
464087.31	3809852.91	0.58052	464125.31	3809852.91	0.56504
464163.31	3809852.91	0.54590	464201.31	3809852.91	0.52589
464239.31	3809852.91	0.50807	464277.31	3809852.91	0.49073
464315.31	3809852.91	0.47378	464353.31	3809852.91	0.45765
464391.31	3809852.91	0.44344	464429.31	3809852.91	0.42971
464467.31	3809852.91	0.41609	464505.31	3809852.91	0.40308
463745.31	3809881.97	0.67253	463783.31	3809881.97	0.66032
463821.31	3809881.97	0.64570	463859.31	3809881.97	0.63300
463897.31	3809881.97	0.61865	463935.31	3809881.97	0.60409
463973.31	3809881.97	0.59228	464011.31	3809881.97	0.57952
464049.31	3809881.97	0.56823	464087.31	3809881.97	0.55557

464125.31 3809881.97 0.54164 464163.31
3809881.97 0.52416
464201.31 3809881.97 0.50757 464239.31
3809881.97 0.49062
464277.31 3809881.97 0.47538 464315.31
3809881.97 0.46090
464353.31 3809881.97 0.44579 464391.31
3809881.97 0.43249
464429.31 3809881.97 0.41919 464467.31
3809881.97 0.40597
464505.31 3809881.97 0.39417 463745.31
3809911.03 0.65019
463783.31 3809911.03 0.63735 463821.31
3809911.03 0.62465
463859.31 3809911.03 0.61112 463897.31
3809911.03 0.59678
463935.31 3809911.03 0.58171 463973.31
3809911.03 0.56943
464011.31 3809911.03 0.55725 464049.31
3809911.03 0.54660
464087.31 3809911.03 0.53428 464125.31
3809911.03 0.52079
464163.31 3809911.03 0.50576 464201.31
3809911.03 0.49137
464239.31 3809911.03 0.47553 464277.31
3809911.03 0.46168
464315.31 3809911.03 0.44777 464353.31
3809911.03 0.43425
464391.31 3809911.03 0.42150 464429.31
3809911.03 0.40879
464467.31 3809911.03 0.39693 464505.31
3809911.03 0.38481
463745.31 3809940.09 0.62820 463783.31
3809940.09 0.61563
463821.31 3809940.09 0.60425 463859.31
3809940.09 0.59072
463897.31 3809940.09 0.57718 463935.31
3809940.09 0.56275
463973.31 3809940.09 0.54968 464011.31
3809940.09 0.53596
464049.31 3809940.09 0.52516 464087.31
3809940.09 0.51340
464125.31 3809940.09 0.50115 464163.31
3809940.09 0.48919
464201.31 3809940.09 0.47704 464239.31
3809940.09 0.46286
464277.31 3809940.09 0.44899 464315.31
3809940.09 0.43602
464353.31 3809940.09 0.42317 464391.31
3809940.09 0.41092

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                    INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                  L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                  L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                  L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3809969.15 0.38999
464467.31 3809969.15 0.37822 464505.31 3809969.15 0.36784
463745.31 3809998.21 0.60115 463783.31 3809998.21 0.58231
463821.31 3809998.21 0.56801 463859.31 3809998.21 0.55466
463897.31 3809998.21 0.54176 463935.31 3809998.21 0.52797
463973.31 3809998.21 0.51534 464011.31 3809998.21 0.50177
464049.31 3809998.21 0.48887 464087.31 3809998.21 0.47749
464125.31 3809998.21 0.46816 464163.31 3809998.21 0.45817
464201.31 3809998.21 0.44823 464239.31 3809998.21 0.43769
464277.31 3809998.21 0.42643 464315.31 3809998.21 0.41431
464353.31 3809998.21 0.40336 464391.31 3809998.21 0.39199
464429.31 3809998.21 0.38060 464467.31 3809998.21 0.37004
464505.31 3809998.21 0.35947 463745.31 3810027.27 0.59146
463783.31 3810027.27 0.57091 463821.31 3810027.27 0.55436
463859.31 3810027.27 0.53993 463897.31 3810027.27 0.52692
463935.31 3810027.27 0.51244 463973.31 3810027.27 0.50018
464011.31 3810027.27 0.48716 464049.31 3810027.27 0.47467
464087.31 3810027.27 0.46251 464125.31 3810027.27 0.45261
464163.31 3810027.27 0.44412 464201.31 3810027.27 0.43500
464239.31 3810027.27 0.42451 464277.31 3810027.27 0.41461
464315.31 3810027.27 0.40414 464353.31 3810027.27 0.39332
464391.31 3810027.27 0.38237 464429.31 3810027.27 0.37203
464467.31 3810027.27 0.36167 464505.31 3810027.27 0.35116
463745.31 3810056.33 0.58297 463783.31 3810056.33 0.56063
463821.31 3810056.33 0.54155 463859.31 3810056.33 0.52666
463897.31 3810056.33 0.51282 463935.31

3810056.33   0.49865
         463973.31   3810056.33   0.48627   464011.31
3810056.33   0.47334
         464049.31   3810056.33   0.46050   464087.31
3810056.33   0.44875
         464125.31   3810056.33   0.43798   464163.31
3810056.33   0.42982
         464201.31   3810056.33   0.42136   464239.31
3810056.33   0.41240

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                   INCLUDING SOURCE(S):   L0006101   , L0006102
, L0006103   , L0006104   , L0006105   ,
                  L0006106   , L0006107   , L0006108   , L0006109   , L0006110
, L0006111   , L0006112   , L0006113   ,
                  L0006114   , L0006115   , L0006116   , L0006117   , L0006118
, L0006119   , L0006120   , L0006121   ,
                  L0006122   , L0006123   , L0006124   , L0006125   , L0006126
, L0006127   , L0006128   , . . .   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464277.31   3810056.33   0.40258   464315.31
3810056.33   0.39328
         464353.31   3810056.33   0.38414   464391.31
3810056.33   0.37409
         464429.31   3810056.33   0.36375   464467.31
3810056.33   0.35317
         464505.31   3810056.33   0.34338   463745.31
3810085.39   0.57479
         463783.31   3810085.39   0.55107   463821.31
3810085.39   0.53045
         463859.31   3810085.39   0.51422   463897.31
3810085.39   0.49987

463935.31 3810085.39 0.48615 463973.31 3810085.39 0.47334
464011.31 3810085.39 0.45999 464049.31 3810085.39 0.44648
464087.31 3810085.39 0.43537 464125.31 3810085.39 0.42491
464163.31 3810085.39 0.41606 464201.31 3810085.39 0.40782
464239.31 3810085.39 0.39990 464277.31 3810085.39 0.39120
464315.31 3810085.39 0.38247 464353.31 3810085.39 0.37377
464391.31 3810085.39 0.36476 464429.31 3810085.39 0.35477
464467.31 3810085.39 0.34487 464505.31 3810085.39 0.33517
463745.31 3810114.45 0.56388 463783.31 3810114.45 0.54357
463821.31 3810114.45 0.52131 463859.31 3810114.45 0.50498
463897.31 3810114.45 0.48886 463935.31 3810114.45 0.47462
463973.31 3810114.45 0.46097 464011.31 3810114.45 0.44773
464049.31 3810114.45 0.43418 464087.31 3810114.45 0.42282
464125.31 3810114.45 0.41195 464163.31 3810114.45 0.40255
464201.31 3810114.45 0.39435 464239.31 3810114.45 0.38785
464277.31 3810114.45 0.38019 464315.31 3810114.45 0.37115
464353.31 3810114.45 0.36220 464391.31 3810114.45 0.35327
464429.31 3810114.45 0.34501 464467.31 3810114.45 0.33548
464505.31 3810114.45 0.32718 463745.31 3810143.51 0.54996
463783.31 3810143.51 0.53318 463821.31 3810143.51 0.51538
463859.31 3810143.51 0.49758 463897.31 3810143.51 0.47838
463935.31 3810143.51 0.46281 463973.31 3810143.51 0.44820
464011.31 3810143.51 0.43615 464049.31 3810143.51 0.42282
464087.31 3810143.51 0.41044 464125.31 3810143.51 0.39983
464163.31 3810143.51 0.39058 464201.31 3810143.51 0.38221

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         464239.31    3810143.51        0.37516                       464277.31
3810143.51        0.36922
         464315.31    3810143.51        0.36071                       464353.31
3810143.51        0.35108
         464391.31    3810143.51        0.34306                       464429.31
3810143.51        0.33493
         464467.31    3810143.51        0.32726                       464505.31
3810143.51        0.31956
         464383.78    3807479.29        0.22347                       464355.03
3807405.24        0.21668
         464402.07    3807352.10        0.19124                       464367.23
3807296.35        0.18920
         464358.52    3807237.99        0.17462                       464385.52
3807161.33        0.15982
         463132.27    3810926.37        0.30147                       463237.82
3811199.31        0.24835
         464944.35    3809244.89        0.47171                       465700.32
3809255.46        0.25149
♠ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 398
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                   INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                  L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                  L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                  L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         465716.18    3808536.49        0.24397                       465544.37
3808533.85        0.28661
         465420.13    3808486.27        0.31664                       465348.77
```

3808491.56   0.34127
         465317.05   3808443.98   0.34378   465327.62
3808406.97   0.33219
         465108.23   3808369.97   0.41843   464999.86
3808301.24   0.44713
         464722.31   3807973.48   0.45846   464717.03
3807836.03   0.40853
         464344.33   3807936.47   0.60177   464349.61
3807780.52   0.61046
         464386.62   3807785.81   0.58338   464521.43
3807859.82   0.52811
         464537.28   3807719.72   0.36523   464426.27
3807613.99   0.28577
         464368.43   3807532.62   0.25629   464324.60
3807121.91   0.15656
         464123.31   3807123.54   0.18088   463930.13
3806909.26   0.14650
         463831.11   3806906.01   0.15601   463821.36
3806720.95   0.11649
         463727.21   3806727.44   0.11645   463598.97
3806334.59   0.07150
         463001.06   3806361.54   0.04082

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                 L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                 L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                 L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC

- - - -

```
         466379.64    3807935.19        0.74724                      466435.62
3807935.19        0.73049
         466491.60    3807935.19        0.71296                      466547.58
3807935.19        0.69631
         466603.56    3807935.19        0.68051                      466659.54
3807935.19        0.66335
         466715.52    3807935.19        0.64852                      466771.50
3807935.19        0.63424
         466827.48    3807935.19        0.61870                      466883.46
3807935.19        0.60270
         465763.86    3808001.41        1.07051                      465819.84
3808001.41        1.03310
         465875.82    3808001.41        0.99880                      465931.80
3808001.41        0.96699
         465987.78    3808001.41        0.93528                      466043.76
3808001.41        0.90823
         466099.74    3808001.41        0.87924                      466155.72
3808001.41        0.85506
         466211.70    3808001.41        0.83089                      466267.68
3808001.41        0.80802
         466323.66    3808001.41        0.78962                      466379.64
3808001.41        0.77237
         466435.62    3808001.41        0.75303                      466491.60
3808001.41        0.73519
         466547.58    3808001.41        0.71630                      466603.56
3808001.41        0.69946
         466659.54    3808001.41        0.68286                      466715.52
3808001.41        0.66816
         466771.50    3808001.41        0.65118                      466827.48
3808001.41        0.63465
         466883.46    3808001.41        0.61780                      465763.86
3808067.63        1.11484
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 400
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                 L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                 L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                 L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465819.84	3808067.63	1.07660	465875.82	3808067.63	1.03959
465931.80	3808067.63	1.00456	465987.78	3808067.63	0.97246
466043.76	3808067.63	0.94151	466099.74	3808067.63	0.91437
466155.72	3808067.63	0.88723	466211.70	3808067.63	0.86319
466267.68	3808067.63	0.84016	466323.66	3808067.63	0.82073
466379.64	3808067.63	0.79921	466435.62	3808067.63	0.77761
466491.60	3808067.63	0.75824	466547.58	3808067.63	0.73991
466603.56	3808067.63	0.72156	466659.54	3808067.63	0.70319
466715.52	3808067.63	0.68645	466771.50	3808067.63	0.66849
466827.48	3808067.63	0.65108	466883.46	3808067.63	0.63348
465763.86	3808133.85	1.16404	465819.84	3808133.85	1.12221
465875.82	3808133.85	1.08238	465931.80	3808133.85	1.04601
465987.78	3808133.85	1.00928	466043.76	3808133.85	0.97862
466099.74	3808133.85	0.94846	466155.72	3808133.85	0.92171
466211.70	3808133.85	0.89628	466267.68	3808133.85	0.87195
466323.66	3808133.85	0.84923	466379.64	3808133.85	0.82613
466435.62	3808133.85	0.80325	466491.60	3808133.85	0.78098
466547.58	3808133.85	0.76146	466603.56	3808133.85	0.74235
466659.54	3808133.85	0.72428	466715.52	3808133.85	0.70545
466771.50	3808133.85	0.68623	466827.48		

3808133.85   0.66740
         466883.46   3808133.85   0.64941   465763.86
3808200.07   1.21510
         465819.84   3808200.07   1.17025   465875.82
3808200.07   1.12794
         465931.80   3808200.07   1.08632   465987.78
3808200.07   1.05130
         466043.76   3808200.07   1.01710   466099.74
3808200.07   0.98642
         466155.72   3808200.07   0.95905   466211.70
3808200.07   0.93381
         466267.68   3808200.07   0.90459   466323.66
3808200.07   0.87839
         466379.64   3808200.07   0.85300   466435.62
3808200.07   0.82830
         466491.60   3808200.07   0.80659   466547.58
3808200.07   0.78547
         466603.56   3808200.07   0.76570   466659.54
3808200.07   0.74472
         466715.52   3808200.07   0.72397   466771.50
3808200.07   0.70399
         466827.48   3808200.07   0.68409   466883.46
3808200.07   0.66487
         465763.86   3808266.29   1.26982   465819.84
3808266.29   1.21844
         465875.82   3808266.29   1.17184   465931.80
3808266.29   1.13164
         465987.78   3808266.29   1.09283   466043.76
3808266.29   1.05833
         466099.74   3808266.29   1.02635   466155.72
3808266.29   0.99739
         466211.70   3808266.29   0.96524   466267.68
3808266.29   0.93578
         466323.66   3808266.29   0.90742   466379.64
3808266.29   0.87944
         466435.62   3808266.29   0.85318   466491.60
3808266.29   0.83189
         466547.58   3808266.29   0.81002   466603.56
3808266.29   0.78717
         466659.54   3808266.29   0.76437   466715.52
3808266.29   0.74242

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006011 , L0006012
, L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020
, L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028
, L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466771.50	3808266.29	0.72100	466827.48	3808266.29	0.70031
466883.46	3808266.29	0.68015	465763.86	3808332.51	1.32203
465819.84	3808332.51	1.26619	465875.82	3808332.51	1.21992
465931.80	3808332.51	1.17566	465987.78	3808332.51	1.13646
466043.76	3808332.51	1.10006	466099.74	3808332.51	1.06674
466155.72	3808332.51	1.03030	466211.70	3808332.51	0.99785
466267.68	3808332.51	0.96641	466323.66	3808332.51	0.93473
466379.64	3808332.51	0.90586	466435.62	3808332.51	0.88009
466491.60	3808332.51	0.85576	466547.58	3808332.51	0.83238
466603.56	3808332.51	0.80773	466659.54	3808332.51	0.78410
466715.52	3808332.51	0.76083	466771.50	3808332.51	0.73780
466827.48	3808332.51	0.71598	466883.46	3808332.51	0.69509
465763.86	3808398.73	1.37530	465819.84	3808398.73	1.31725
465875.82	3808398.73	1.26584	465931.80	3808398.73	1.22060
465987.78	3808398.73	1.17953	466043.76	3808398.73	1.14105

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         466099.74    3808398.73        1.10281                    466155.72
3808398.73        1.06549
         466211.70    3808398.73        1.02944                    466267.68
3808398.73        0.99386
         466323.66    3808398.73        0.96426                    466379.64
3808398.73        0.93519
         466435.62    3808398.73        0.90582                    466491.60
3808398.73        0.88030
         466547.58    3808398.73        0.85353                    466603.56
3808398.73        0.82776
         466659.54    3808398.73        0.80220                    466715.52
3808398.73        0.77775
         466771.50    3808398.73        0.75416                    466827.48
3808398.73        0.73130
         466883.46    3808398.73        0.70958                    465763.86
3808464.95        1.42562
         465819.84    3808464.95        1.36611                    465875.82
3808464.95        1.31628
         465931.80    3808464.95        1.26917                    465987.78
3808464.95        1.22098
         466043.76    3808464.95        1.17747                    466099.74
3808464.95        1.13588
         466155.72    3808464.95        1.09593                    466211.70
3808464.95        1.06101
         466267.68    3808464.95        1.02399                    466323.66
3808464.95        0.99219
         466379.64    3808464.95        0.95972                    466435.62
3808464.95        0.93135
         466491.60    3808464.95        0.90184                    466547.58
3808464.95        0.87369
         466603.56    3808464.95        0.84568                    466659.54
3808464.95        0.81898
         466715.52    3808464.95        0.79366                    466771.50
3808464.95        0.76912
         466827.48    3808464.95        0.74573                    466883.46
3808464.95        0.72346
         465763.86    3808531.17        1.46918                    465819.84
3808531.17        1.41255
         465875.82    3808531.17        1.36065                    465931.80
3808531.17        1.30993
         465987.78    3808531.17        1.25743                    466043.76
3808531.17        1.21086
         466099.74    3808531.17        1.16592                    466155.72
3808531.17        1.12724
         466211.70    3808531.17        1.08955                    466267.68
3808531.17        1.05207
         466323.66    3808531.17        1.01835                    466379.64
3808531.17        0.98460
         466435.62    3808531.17        0.95251                    466491.60
3808531.17        0.92162
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

3808597.39 0.90748
466603.56 3808597.39 0.87789 466659.54
3808597.39 0.84911
466715.52 3808597.39 0.82188 466771.50
3808597.39 0.79598
466827.48 3808597.39 0.77134 466883.46
3808597.39 0.74839
465763.86 3808663.61 1.55361 465819.84
3808663.61 1.48528
465875.82 3808663.61 1.42649 465931.80
3808663.61 1.36993
465987.78 3808663.61 1.31604 466043.76
3808663.61 1.26904
466099.74 3808663.61 1.22327 466155.72
3808663.61 1.17890
466211.70 3808663.61 1.13953 466267.68
3808663.61 1.09813
466323.66 3808663.61 1.05976 466379.64
3808663.61 1.02242
466435.62 3808663.61 0.98803 466491.60
3808663.61 0.95399
466547.58 3808663.61 0.92184 466603.56
3808663.61 0.89082
466659.54 3808663.61 0.86140 466715.52
3808663.61 0.83365
466771.50 3808663.61 0.80728 466827.48
3808663.61 0.78309
466883.46 3808663.61 0.75908 465763.86
3808729.83 1.58387
465819.84 3808729.83 1.50927 465875.82
3808729.83 1.44991
465931.80 3808729.83 1.39374 465987.78
3808729.83 1.34299
466043.76 3808729.83 1.29356 466099.74
3808729.83 1.24846
466155.72 3808729.83 1.20277 466211.70
3808729.83 1.15832
466267.68 3808729.83 1.11525 466323.66
3808729.83 1.07574
466379.64 3808729.83 1.03749 466435.62
3808729.83 1.00133
466491.60 3808729.83 0.96731 466547.58
3808729.83 0.93401
466603.56 3808729.83 0.90248 466659.54
3808729.83 0.87416
466715.52 3808729.83 0.84572 466771.50
3808729.83 0.81884
466827.48 3808729.83 0.79372 466883.46
3808729.83 0.76942
465763.86 3808796.05 1.60974 465819.84

3808796.05   1.53407
         465875.82   3808796.05   1.47365   465931.80
3808796.05   1.41454
         465987.78   3808796.05   1.36254   466043.76
3808796.05   1.31344
         466099.74   3808796.05   1.26730   466155.72
3808796.05   1.21989
         466211.70   3808796.05   1.17440   466267.68
3808796.05   1.13039

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         466323.66   3808796.05   1.08960   466379.64
3808796.05   1.05044
         466435.62   3808796.05   1.01404   466491.60
3808796.05   0.97842
         466547.58   3808796.05   0.94490   466603.56
3808796.05   0.91406
         466659.54   3808796.05   0.88384   466715.52
3808796.05   0.85559
         466771.50   3808796.05   0.82852   466827.48
3808796.05   0.80261
         466883.46   3808796.05   0.77875   465763.86
3808862.27   1.63778

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         465819.84    3808862.27        1.56523                    465875.82
3808862.27        1.49834
         465931.80    3808862.27        1.43734                    465987.78
3808862.27        1.38428
         466043.76    3808862.27        1.33448                    466099.74
3808862.27        1.28340
         466155.72    3808862.27        1.23365                    466211.70
3808862.27        1.18639
         466267.68    3808862.27        1.14320                    466323.66
3808862.27        1.10093
         466379.64    3808862.27        1.06143                    466435.62
3808862.27        1.02390
         466491.60    3808862.27        0.98846                    466547.58
3808862.27        0.95505
         466603.56    3808862.27        0.92284                    466659.54
3808862.27        0.89332
         466715.52    3808862.27        0.86431                    466771.50
3808862.27        0.83701
         466827.48    3808862.27        0.81139                    466883.46
3808862.27        0.78686
         465763.86    3808928.49        1.66562                    465819.84
3808928.49        1.59379
         465875.82    3808928.49        1.52651                    465931.80
3808928.49        1.46280
         465987.78    3808928.49        1.40400                    466043.76
3808928.49        1.34863
         466099.74    3808928.49        1.29601                    466155.72
3808928.49        1.24541
         466211.70    3808928.49        1.19822                    466267.68
3808928.49        1.15295
         466323.66    3808928.49        1.10995                    466379.64
3808928.49        1.06942
         466435.62    3808928.49        1.03230                    466491.60
3808928.49        0.99689
         466547.58    3808928.49        0.96293                    466603.56
3808928.49        0.93187
         466659.54    3808928.49        0.90113                    466715.52
3808928.49        0.87247
         466771.50    3808928.49        0.84476                    466827.48
3808928.49        0.81919
         466883.46    3808928.49        0.79415                    465763.86
3808994.71        1.67928
         465819.84    3808994.71        1.60401                    465875.82
3808994.71        1.53634
         465931.80    3808994.71        1.47500                    465987.78
3808994.71        1.41616
         466043.76    3808994.71        1.35990                    466099.74
3808994.71        1.30619
         466155.72    3808994.71        1.25483                    466211.70
3808994.71        1.20677
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         466267.68    3808994.71        1.16117                       466323.66
3808994.71        1.11824
         466379.64    3808994.71        1.07772                       466435.62
3808994.71        1.03948
         466491.60    3808994.71        1.00419                       466547.58
3808994.71        0.97133
         466603.56    3808994.71        0.93910                       466659.54
3808994.71        0.90814
         466715.52    3808994.71        0.88048                       466771.50
3808994.71        0.85239
         466827.48    3808994.71        0.82571                       466883.46
3808994.71        0.80126
         465763.86    3809060.93        1.69124                       465819.84
3809060.93        1.61572
         465875.82    3809060.93        1.54753                       465931.80
3809060.93        1.48400
         465987.78    3809060.93        1.42454                       466043.76
3809060.93        1.36856
♠ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 404
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                    INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         466099.74    3809060.93        1.31320                       466155.72
3809060.93        1.26212
         466211.70    3809060.93        1.21320                       466267.68
```

3809060.93 1.16779
466323.66 3809060.93 1.12481 466379.64
3809060.93 1.08422
466435.62 3809060.93 1.04720 466491.60
3809060.93 1.01180
466547.58 3809060.93 0.97737 466603.56
3809060.93 0.94534
466659.54 3809060.93 0.91589 466715.52
3809060.93 0.88628
466771.50 3809060.93 0.85834 466827.48
3809060.93 0.83217
466883.46 3809060.93 0.80749 465763.86
3809127.15 1.70288
465819.84 3809127.15 1.62847 465875.82
3809127.15 1.56013
465931.80 3809127.15 1.49471 465987.78
3809127.15 1.43365
466043.76 3809127.15 1.37363 466099.74
3809127.15 1.31641
466155.72 3809127.15 1.26442 466211.70
3809127.15 1.21967
466267.68 3809127.15 1.17543 466323.66
3809127.15 1.13284
466379.64 3809127.15 1.09176 466435.62
3809127.15 1.05373
466491.60 3809127.15 1.01777 466547.58
3809127.15 0.98390
466603.56 3809127.15 0.95217 466659.54
3809127.15 0.92102
466715.52 3809127.15 0.89201 466771.50
3809127.15 0.86427
466827.48 3809127.15 0.83758 466883.46
3809127.15 0.81300
465763.86 3809193.37 1.71333 465819.84
3809193.37 1.63939
465875.82 3809193.37 1.56995 465931.80
3809193.37 1.50480
465987.78 3809193.37 1.44054 466043.76
3809193.37 1.37386
466099.74 3809193.37 1.32067 466155.72
3809193.37 1.26912
466211.70 3809193.37 1.22334 466267.68
3809193.37 1.18016
466323.66 3809193.37 1.13844 466379.64
3809193.37 1.09870
466435.62 3809193.37 1.05999 466491.60
3809193.37 1.02392
466547.58 3809193.37 0.98980 466603.56
3809193.37 0.95809
466659.54 3809193.37 0.92682 466715.52

```
3809193.37        0.89802
         466771.50    3809193.37        0.86977                        466827.48
3809193.37        0.84352
         466883.46    3809193.37        0.81817                        465763.86
3809259.59        1.72290
         465819.84    3809259.59        1.64888                        465875.82
3809259.59        1.57764
         465931.80    3809259.59        1.51100                        465987.78
3809259.59        1.44509
         466043.76    3809259.59        1.38220                        466099.74
3809259.59        1.32474
         466155.72    3809259.59        1.27600                        466211.70
3809259.59        1.23010
         466267.68    3809259.59        1.18680                        466323.66
3809259.59        1.14326
         466379.64    3809259.59        1.10324                        466435.62
3809259.59        1.06558
         466491.60    3809259.59        1.02900                        466547.58
3809259.59        0.99563
         466603.56    3809259.59        0.96290                        466659.54
3809259.59        0.93190
         466715.52    3809259.59        0.90356                        466771.50
3809259.59        0.87516
         466827.48    3809259.59        0.84868                        466883.46
3809259.59        0.82325
         464503.41    3807141.91        1.10308                        464523.41
3807141.91        1.09583
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 405
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                 L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                 L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                 L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464543.41	3807141.91	1.07974	464563.41	3807141.91	1.06125
464583.41	3807141.91	1.05513	464603.41	3807141.91	1.04183
464623.41	3807141.91	1.02663	464643.41	3807141.91	1.01854
464663.41	3807141.91	1.00588	464683.41	3807141.91	0.99058
464703.41	3807141.91	0.98323	464723.41	3807141.91	1.01517
464743.41	3807141.91	0.99508	464763.41	3807141.91	0.97960
464783.41	3807141.91	0.96080	464803.41	3807141.91	0.94323
464823.41	3807141.91	0.93906	464843.41	3807141.91	0.94346
464863.41	3807141.91	0.92564	464883.41	3807141.91	0.91216
464903.41	3807141.91	0.90360	464923.41	3807141.91	0.90799
464503.41	3807161.91	1.11712	464523.41	3807161.91	1.10958
464543.41	3807161.91	1.09298	464563.41	3807161.91	1.07394
464583.41	3807161.91	1.06754	464603.41	3807161.91	1.06145
464623.41	3807161.91	1.05248	464643.41	3807161.91	1.03352
464663.41	3807161.91	1.02410	464683.41	3807161.91	1.01548
464703.41	3807161.91	0.99720	464723.41	3807161.91	1.02528
464743.41	3807161.91	1.00854	464763.41	3807161.91	1.00405
464783.41	3807161.91	0.98759	464803.41	3807161.91	0.96829
464823.41	3807161.91	0.96170	464843.41	3807161.91	0.95228
464863.41	3807161.91	0.93756	464883.41	3807161.91	0.93178
464903.41	3807161.91	0.92438	464923.41	3807161.91	0.91871
464503.41	3807181.91	1.14122	464523.41	3807181.91	1.12598

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         464543.41    3807181.91        1.11146                        464563.41
3807181.91        1.09754
         464583.41    3807181.91        1.08305                        464603.41
3807181.91        1.07504
         464623.41    3807181.91        1.06852                        464643.41
3807181.91        1.04683
         464663.41    3807181.91        1.03659                        464683.41
3807181.91        1.07930
         464703.41    3807181.91        1.05721                        464723.41
3807181.91        1.04261
         464743.41    3807181.91        1.03050                        464763.41
3807181.91        1.02032
         464783.41    3807181.91        1.02071                        464803.41
3807181.91        1.00148
         464823.41    3807181.91        0.99078                        464843.41
3807181.91        0.97432
         464863.41    3807181.91        0.95670                        464883.41
3807181.91        0.94660
         464903.41    3807181.91        0.95043                        464923.41
3807181.91        0.94358
         464503.41    3807201.91        1.16564                        464523.41
3807201.91        1.14261
         464543.41    3807201.91        1.13009                        464563.41
3807201.91        1.12108
         464583.41    3807201.91        1.10217                        464603.41
3807201.91        1.09032
         464623.41    3807201.91        1.08104                        464643.41
3807201.91        1.06196
         464663.41    3807201.91        1.05054                        464683.41
3807201.91        1.09099
         464703.41    3807201.91        1.07342                        464723.41
3807201.91        1.06215
         464743.41    3807201.91        1.07376                        464763.41
3807201.91        1.05194
         464783.41    3807201.91        1.03439                        464803.41
3807201.91        1.01807
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 406
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                 L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
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L0006024 , L0006025 , L0006026 , L0006027 , L0006028
, L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464823.41	3807201.91	1.00981	464843.41	3807201.91	1.00910
464863.41	3807201.91	0.99536	464883.41	3807201.91	0.97689
464903.41	3807201.91	0.96992	464923.41	3807201.91	0.97489
464503.41	3807221.91	1.18058	464523.41	3807221.91	1.15689
464543.41	3807221.91	1.14394	464563.41	3807221.91	1.13683
464583.41	3807221.91	1.12934	464603.41	3807221.91	1.11268
464623.41	3807221.91	1.09519	464643.41	3807221.91	1.08773
464663.41	3807221.91	1.07181	464683.41	3807221.91	1.10647
464703.41	3807221.91	1.10072	464723.41	3807221.91	1.08587
464743.41	3807221.91	1.08459	464763.41	3807221.91	1.06237
464783.41	3807221.91	1.05117	464803.41	3807221.91	1.04156
464823.41	3807221.91	1.03116	464843.41	3807221.91	1.02914
464863.41	3807221.91	1.02661	464883.41	3807221.91	1.00782
464903.41	3807221.91	0.99562	464923.41	3807221.91	0.98775
464503.41	3807241.91	1.19709	464523.41	3807241.91	1.18122
464543.41	3807241.91	1.16517	464563.41	3807241.91	1.15073
464583.41	3807241.91	1.14522	464603.41	3807241.91	1.12864
464623.41	3807241.91	1.10773	464643.41		

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3807241.91        1.10252
         464663.41    3807241.91        1.14522                        464683.41
3807241.91        1.13118
         464703.41    3807241.91        1.11918                        464723.41
3807241.91        1.11874
         464743.41    3807241.91        1.09681                        464763.41
3807241.91        1.08410
         464783.41    3807241.91        1.06980                        464803.41
3807241.91        1.06954
         464823.41    3807241.91        1.06142                        464843.41
3807241.91        1.05424
         464863.41    3807241.91        1.04819                        464883.41
3807241.91        1.02909
         464903.41    3807241.91        1.02142                        464923.41
3807241.91        1.01550
         464503.41    3807261.91        1.21360                        464523.41
3807261.91        1.20549
         464543.41    3807261.91        1.18628                        464563.41
3807261.91        1.16452
         464583.41    3807261.91        1.15871                        464603.41
3807261.91        1.14400
         464623.41    3807261.91        1.12529                        464643.41
3807261.91        1.11586
         464663.41    3807261.91        1.16485                        464683.41
3807261.91        1.17923
         464703.41    3807261.91        1.15448                        464723.41
3807261.91        1.13435
         464743.41    3807261.91        1.11547                        464763.41
3807261.91        1.10531
         464783.41    3807261.91        1.10349                        464803.41
3807261.91        1.08943
         464823.41    3807261.91        1.08774                        464843.41
3807261.91        1.08461
         464863.41    3807261.91        1.06914                        464883.41
3807261.91        1.04976
         464903.41    3807261.91        1.04821                        464923.41
3807261.91        1.06443
         464503.41    3807281.91        1.22912                        464523.41
3807281.91        1.22066
         464543.41    3807281.91        1.20085                        464563.41
3807281.91        1.17844
         464583.41    3807281.91        1.17233                        464603.41
3807281.91        1.16582
         464623.41    3807281.91        1.15484                        464643.41
3807281.91        1.13264
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 , L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 , L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 , L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464663.41	3807281.91	1.17741	464683.41	3807281.91	1.19191
464703.41	3807281.91	1.16663	464723.41	3807281.91	1.15328
464743.41	3807281.91	1.14160	464763.41	3807281.91	1.12917
464783.41	3807281.91	1.12580	464803.41	3807281.91	1.12233
464823.41	3807281.91	1.11000	464843.41	3807281.91	1.10696
464863.41	3807281.91	1.10914	464883.41	3807281.91	1.08928
464903.41	3807281.91	1.10103	464923.41	3807281.91	1.10220
464503.41	3807301.91	1.25761	464523.41	3807301.91	1.23954
464543.41	3807301.91	1.22306	464563.41	3807301.91	1.20650
464583.41	3807301.91	1.18976	464603.41	3807301.91	1.18102
464623.41	3807301.91	1.22715	464643.41	3807301.91	1.20039
464663.41	3807301.91	1.19010	464683.41	3807301.91	1.20474
464703.41	3807301.91	1.17894	464723.41	3807301.91	1.16683

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        464743.41    3807301.91        1.17283                    464763.41
3807301.91        1.16274
        464783.41    3807301.91        1.15367                    464803.41
3807301.91        1.14591
        464823.41    3807301.91        1.12391                    464843.41
3807301.91        1.12274
        464863.41    3807301.91        1.14400                    464883.41
3807301.91        1.13583
        464903.41    3807301.91        1.12940                    464923.41
3807301.91        1.13479
        464503.41    3807321.91        1.28558                    464523.41
3807321.91        1.25784
        464543.41    3807321.91        1.24427                    464563.41
3807321.91        1.23511
        464583.41    3807321.91        1.20799                    464603.41
3807321.91        1.19466
        464623.41    3807321.91        1.24087                    464643.41
3807321.91        1.21347
        464663.41    3807321.91        1.20294                    464683.41
3807321.91        1.21818
        464703.41    3807321.91        1.19720                    464723.41
3807321.91        1.18235
        464743.41    3807321.91        1.18711                    464763.41
3807321.91        1.19100
        464783.41    3807321.91        1.18160                    464803.41
3807321.91        1.16132
        464823.41    3807321.91        1.14338                    464843.41
3807321.91        1.14398
        464863.41    3807321.91        1.16520                    464883.41
3807321.91        1.16441
        464903.41    3807321.91        1.16779                    464923.41
3807321.91        1.14856
        464503.41    3807341.91        1.30223                    464523.41
3807341.91        1.27367
        464543.41    3807341.91        1.25960                    464563.41
3807341.91        1.25004
        464583.41    3807341.91        1.22218                    464603.41
3807341.91        1.20845
        464623.41    3807341.91        1.25473                    464643.41
3807341.91        1.22670
        464663.41    3807341.91        1.21596                    464683.41
3807341.91        1.23563
        464703.41    3807341.91        1.22413                    464723.41
3807341.91        1.21078
        464743.41    3807341.91        1.20001                    464763.41
3807341.91        1.20417
        464783.41    3807341.91        1.19476                    464803.41
3807341.91        1.17748
        464823.41    3807341.91        1.17968                    464843.41
3807341.91        1.20219
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                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        464503.41   3807361.91   1.32123   464523.41
3807361.91   1.30313
        464543.41   3807361.91   1.28444   464563.41
3807361.91   1.26514
        464583.41   3807361.91   1.23653   464603.41
3807361.91   1.22240
        464623.41   3807361.91   1.27306   464643.41
3807361.91   1.25622
        464663.41   3807361.91   1.23960   464683.41
3807361.91   1.24934
        464703.41   3807361.91   1.24068   464723.41
3807361.91   1.24632
        464743.41   3807361.91   1.23339   464763.41
3807361.91   1.22083
        464783.41   3807361.91   1.22097   464803.41
3807361.91   1.21553
        464823.41   3807361.91   1.23913   464843.41

3807361.91 1.23364
464863.41 3807361.91 1.23844 464883.41
3807361.91 1.21682
464903.41 3807361.91 1.21114 464923.41
3807361.91 1.22596
464503.41 3807381.91 1.34645 464523.41
3807381.91 1.33302
464543.41 3807381.91 1.31029 464563.41
3807381.91 1.28104
464583.41 3807381.91 1.25567 464603.41
3807381.91 1.24004
464623.41 3807381.91 1.28867 464643.41
3807381.91 1.28315
464663.41 3807381.91 1.29116 464683.41
3807381.91 1.26817
464703.41 3807381.91 1.25555 464723.41
3807381.91 1.27029
464743.41 3807381.91 1.27579 464763.41
3807381.91 1.25469
464783.41 3807381.91 1.24775 464803.41
3807381.91 1.26832
464823.41 3807381.91 1.27272 464843.41
3807381.91 1.27629
464863.41 3807381.91 1.25402 464883.41
3807381.91 1.24010
464903.41 3807381.91 1.25952 464923.41
3807381.91 1.30958
464503.41 3807401.91 1.38394 464523.41
3807401.91 1.35526
464543.41 3807401.91 1.32657 464563.41
3807401.91 1.29906
464583.41 3807401.91 1.28820 464603.41
3807401.91 1.26691
464623.41 3807401.91 1.30320 464643.41
3807401.91 1.29762
464663.41 3807401.91 1.31411 464683.41
3807401.91 1.29958
464703.41 3807401.91 1.28398 464723.41
3807401.91 1.28479
464743.41 3807401.91 1.29416 464763.41
3807401.91 1.29507
464783.41 3807401.91 1.28553 464803.41
3807401.91 1.28359
464823.41 3807401.91 1.28825 464843.41
3807401.91 1.29208
464863.41 3807401.91 1.27529 464883.41
3807401.91 1.30647
464903.41 3807401.91 1.31944 464923.41
3807401.91 1.33113
464503.41 3807421.91 1.40778 464523.41

3807421.91   1.37514
         464543.41   3807421.91   1.35104   464563.41
3807421.91   1.33131
         464583.41   3807421.91   1.31131   464603.41
3807421.91   1.35307
         464623.41   3807421.91   1.33436   464643.41
3807421.91   1.31824
         464663.41   3807421.91   1.33075   464683.41
3807421.91   1.33676
         464703.41   3807421.91   1.32397   464723.41
3807421.91   1.31242
         464743.41   3807421.91   1.30971   464763.41
3807421.91   1.31595

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464783.41   3807421.91   1.33090   464803.41
3807421.91   1.31942
         464823.41   3807421.91   1.31150   464843.41
3807421.91   1.32490
         464863.41   3807421.91   1.33982   464883.41
3807421.91   1.35358
         464903.41   3807421.91   1.38096   464923.41
3807421.91   1.37947

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        464503.41    3807441.91        1.42703                    464523.41
3807441.91        1.39790
        464543.41    3807441.91        1.37953                    464563.41
3807441.91        1.42596
        464583.41    3807441.91        1.39910                    464603.41
3807441.91        1.38135
        464623.41    3807441.91        1.39399                    464643.41
3807441.91        1.36816
        464663.41    3807441.91        1.34978                    464683.41
3807441.91        1.35428
        464703.41    3807441.91        1.35786                    464723.41
3807441.91        1.35277
        464743.41    3807441.91        1.33369                    464763.41
3807441.91        1.33358
        464783.41    3807441.91        1.35790                    464803.41
3807441.91        1.37488
        464823.41    3807441.91        1.34941                    464843.41
3807441.91        1.37487
        464863.41    3807441.91        1.43200                    464883.41
3807441.91        1.40705
        464903.41    3807441.91        1.41390                    464923.41
3807441.91        1.44871
        464503.41    3807461.91        1.44873                    464523.41
3807461.91        1.43560
        464543.41    3807461.91        1.41077                    464563.41
3807461.91        1.44883
        464583.41    3807461.91        1.43834                    464603.41
3807461.91        1.41537
        464623.41    3807461.91        1.41539                    464643.41
3807461.91        1.40092
        464663.41    3807461.91        1.38408                    464683.41
3807461.91        1.37031
        464703.41    3807461.91        1.37418                    464723.41
3807461.91        1.38288
        464743.41    3807461.91        1.38361                    464763.41
3807461.91        1.36864
        464783.41    3807461.91        1.37507                    464803.41
3807461.91        1.39260
        464823.41    3807461.91        1.36680                    464843.41
3807461.91        1.39263
        464863.41    3807461.91        1.45069                    464883.41
3807461.91        1.42530
        464903.41    3807461.91        1.43227                    464923.41
3807461.91        1.46770
        464503.41    3807481.91        1.46828                    464523.41
3807481.91        1.45817
        464543.41    3807481.91        1.50735                    464563.41
3807481.91        1.48511
        464583.41    3807481.91        1.46565                    464603.41
3807481.91        1.47145
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```
         464623.41    3807481.91        1.44795                        464643.41
3807481.91        1.42660
         464663.41    3807481.91        1.42672                        464683.41
3807481.91        1.41049
         464703.41    3807481.91        1.39476                        464723.41
3807481.91        1.40466
         464743.41    3807481.91        1.42327                        464763.41
3807481.91        1.39486
         464783.41    3807481.91        1.39272                        464803.41
3807481.91        1.41081
         464823.41    3807481.91        1.38468                        464843.41
3807481.91        1.41086
         464863.41    3807481.91        1.47220                        464883.41
3807481.91        1.47611
         464903.41    3807481.91        1.49807                        464923.41
3807481.91        1.48877
         464503.41    3807501.91        1.49577                        464523.41
3807501.91        1.49238
         464543.41    3807501.91        1.54038                        464563.41
3807501.91        1.55287
         464583.41    3807501.91        1.52243                        464603.41
3807501.91        1.50019
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 410
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - -

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3807541.91        1.52660
         464743.41    3807541.91        1.51194                          464763.41
3807541.91        1.50147
         464783.41    3807541.91        1.49692                          464803.41
3807541.91        1.47607
         464823.41    3807541.91        1.53661                          464843.41
3807541.91        1.57603
         464863.41    3807541.91        1.57283                          464883.41
3807541.91        1.59522
         464903.41    3807541.91        1.58162                          464923.41
3807541.91        1.56808
         464503.41    3807561.91        1.74100                          464523.41
3807561.91        1.70491
         464543.41    3807561.91        1.67795                          464563.41
3807561.91        1.67586
         464583.41    3807561.91        1.64542                          464603.41
3807561.91        1.62616
         464623.41    3807561.91        1.62621                          464643.41
3807561.91        1.59522
         464663.41    3807561.91        1.58278                          464683.41
3807561.91        1.60159
         464703.41    3807561.91        1.57402                          464723.41
3807561.91        1.56373
         464743.41    3807561.91        1.57885                          464763.41
3807561.91        1.54765
         464783.41    3807561.91        1.52487                          464803.41
3807561.91        1.51362
         464823.41    3807561.91        1.56196                          464843.41
3807561.91        1.61553
         464863.41    3807561.91        1.65478                          464883.41
3807561.91        1.62495
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 411
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464903.41	3807561.91	1.61393	464923.41	3807561.91	1.59645
464503.41	3807581.91	1.77148	464523.41	3807581.91	1.74913
464543.41	3807581.91	1.72379	464563.41	3807581.91	1.70195
464583.41	3807581.91	1.69535	464603.41	3807581.91	1.67537
464623.41	3807581.91	1.65291	464643.41	3807581.91	1.65050
464663.41	3807581.91	1.63429	464683.41	3807581.91	1.62886
464703.41	3807581.91	1.62512	464723.41	3807581.91	1.61091
464743.41	3807581.91	1.60118	464763.41	3807581.91	1.56952
464783.41	3807581.91	1.56950	464803.41	3807581.91	1.61882
464823.41	3807581.91	1.60040	464843.41	3807581.91	1.63806
464863.41	3807581.91	1.67789	464883.41	3807581.91	1.64737
464903.41	3807581.91	1.63602	464923.41	3807581.91	1.62011
464503.41	3807601.91	1.81893	464523.41	3807601.91	1.82935
464543.41	3807601.91	1.79811	464563.41	3807601.91	1.75535
464583.41	3807601.91	1.73083	464603.41	3807601.91	1.72530
464623.41	3807601.91	1.70550	464643.41	3807601.91	1.69064
464663.41	3807601.91	1.69710	464683.41	3807601.91	1.67841
464703.41	3807601.91	1.66456	464723.41	3807601.91	1.65774
464743.41	3807601.91	1.63095	464763.41	3807601.91	1.64711
464783.41	3807601.91	1.65667	464803.41	3807601.91	1.68944

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         464823.41    3807601.91        1.69227                        464843.41
3807601.91        1.71632
         464863.41    3807601.91        1.70354                        464883.41
3807601.91        1.68902
         464903.41    3807601.91        1.66610                        464923.41
3807601.91        1.64215
         464503.41    3807621.91        1.90384                        464523.41
3807621.91        1.88977
         464543.41    3807621.91        1.86450                        464563.41
3807621.91        1.82253
         464583.41    3807621.91        1.78500                        464603.41
3807621.91        1.76835
         464623.41    3807621.91        1.78731                        464643.41
3807621.91        1.75385
         464663.41    3807621.91        1.73981                        464683.41
3807621.91        1.75480
         464703.41    3807621.91        1.71761                        464723.41
3807621.91        1.68995
         464743.41    3807621.91        1.67534                        464763.41
3807621.91        1.72726
         464783.41    3807621.91        1.75018                        464803.41
3807621.91        1.73611
         464823.41    3807621.91        1.78118                        464843.41
3807621.91        1.76082
         464863.41    3807621.91        1.73530                        464883.41
3807621.91        1.72104
         464903.41    3807621.91        1.69493                        464923.41
3807621.91        1.66954
         464503.41    3807641.91        1.97118                        464523.41
3807641.91        1.93779
         464543.41    3807641.91        1.89188                        464563.41
3807641.91        1.85437
         464583.41    3807641.91        1.84881                        464603.41
3807641.91        1.82771
         464623.41    3807641.91        1.81939                        464643.41
3807641.91        1.81254
         464663.41    3807641.91        1.79398                        464683.41
3807641.91        1.78105
         464703.41    3807641.91        1.74325                        464723.41
3807641.91        1.74094
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 412
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
```

INCLUDING SOURCE(S): L0006011 , L0006012
, L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020
, L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028
, L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464743.41	3807641.91	1.79397	464763.41	3807641.91	1.77134
464783.41	3807641.91	1.80340	464803.41	3807641.91	1.84376
464823.41	3807641.91	1.81204	464843.41	3807641.91	1.79782
464863.41	3807641.91	1.77887	464883.41	3807641.91	1.74900
464903.41	3807641.91	1.72439	464923.41	3807641.91	1.69720
464503.41	3807661.91	2.06499	464523.41	3807661.91	2.01167
464543.41	3807661.91	1.96036	464563.41	3807661.91	1.91557
464583.41	3807661.91	1.89573	464603.41	3807661.91	1.90057
464623.41	3807661.91	1.87660	464643.41	3807661.91	1.85829
464663.41	3807661.91	1.87247	464683.41	3807661.91	1.88166
464703.41	3807661.91	1.84146	464723.41	3807661.91	1.83975
464743.41	3807661.91	1.87430	464763.41	3807661.91	1.87551
464783.41	3807661.91	1.90071	464803.41	3807661.91	1.88449
464823.41	3807661.91	1.86645	464843.41	3807661.91	1.83904
464863.41	3807661.91	1.80997	464883.41	3807661.91	1.78522
464903.41	3807661.91	1.75243	464923.41		

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3807661.91        1.72088
         464503.41    3807681.91        2.18416                     464523.41
3807681.91        2.12794
         464543.41    3807681.91        2.07384                     464563.41
3807681.91        2.02191
         464583.41    3807681.91        1.97220                     464603.41
3807681.91        1.95049
         464623.41    3807681.91        1.96570                     464643.41
3807681.91        1.93339
         464663.41    3807681.91        1.95458                     464683.41
3807681.91        2.02607
         464703.41    3807681.91        1.99590                     464723.41
3807681.91        1.95901
         464743.41    3807681.91        1.92818                     464763.41
3807681.91        1.97704
         464783.41    3807681.91        1.95206                     464803.41
3807681.91        1.92144
         464823.41    3807681.91        1.90358                     464843.41
3807681.91        1.87250
         464863.41    3807681.91        1.84231                     464883.41
3807681.91        1.81198
         464903.41    3807681.91        1.77812                     464923.41
3807681.91        1.74504
         464523.41    3807701.91        2.21555                     464543.41
3807701.91        2.15918
         464563.41    3807701.91        2.10513                     464583.41
3807701.91        2.05342
         464603.41    3807701.91        2.01362                     464623.41
3807701.91        2.00627
         464643.41    3807701.91        2.04632                     464663.41
3807701.91        2.05775
         464683.41    3807701.91        2.06703                     464703.41
3807701.91        2.07670
         464723.41    3807701.91        2.09518                     464743.41
3807701.91        2.05129
         464763.41    3807701.91        2.01326                     464783.41
3807701.91        1.99518
         464803.41    3807701.91        1.97181                     464823.41
3807701.91        1.93627
         464843.41    3807701.91        1.90675                     464863.41
3807701.91        1.87441
         464883.41    3807701.91        1.83818                     464903.41
3807701.91        1.80374
         464923.41    3807701.91        1.77075                     464543.41
3807721.91        2.27661
         464563.41    3807721.91        2.18303                     464583.41
3807721.91        2.12929
         464603.41    3807721.91        2.07796                     464623.41
3807721.91        2.03941
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
        465083.41    3807721.91        1.55087                    465103.41
3807721.91        1.52337
        465123.41    3807721.91        1.49632                    465143.41
3807721.91        1.47019
        465163.41    3807721.91        1.44508                    465183.41
3807721.91        1.42001
        465203.41    3807721.91        1.39578                    465223.41
3807721.91        1.37257
        465243.41    3807721.91        1.34998                    465263.41
3807721.91        1.32764
        465283.41    3807721.91        1.30608                    465303.41
3807721.91        1.28450
        465323.41    3807721.91        1.26371                    465343.41
3807721.91        1.24377
        465363.41    3807721.91        1.22373                    465383.41
3807721.91        1.20496
        464543.41    3807741.91        2.51794                    464563.41
3807741.91        2.26406
        464583.41    3807741.91        2.19376                    464603.41
3807741.91        2.13676
        464623.41    3807741.91        2.09901                    464643.41
3807741.91        2.18151
        464663.41    3807741.91        2.23578                    464683.41
3807741.91        2.27561
        464703.41    3807741.91        2.22528                    464723.41
3807741.91        2.17984
        464743.41    3807741.91        2.14261                    464763.41
3807741.91        2.12005
        464783.41    3807741.91        2.08258                    464803.41
3807741.91        2.04626
        464823.41    3807741.91        2.00990                    464843.41
3807741.91        1.96948
        464863.41    3807741.91        1.93009                    464883.41
3807741.91        1.89357
        464903.41    3807741.91        1.85667                    464923.41
3807741.91        1.82097
        464943.41    3807741.91        1.78729                    464963.41
3807741.91        1.75370
        464983.41    3807741.91        1.72049                    465003.41
3807741.91        1.68926
        465023.41    3807741.91        1.65837                    465043.41
3807741.91        1.62783
        465063.41    3807741.91        1.59877                    465083.41
3807741.91        1.56980
        465103.41    3807741.91        1.54144                    465123.41
3807741.91        1.51391
        465143.41    3807741.91        1.48769                    465163.41
3807741.91        1.46220
        465183.41    3807741.91        1.43675                    465203.41
3807741.91        1.41187
```

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        465383.41   3807741.91   1.21757   464543.41
3807761.91   2.77757
        464563.41   3807761.91   2.57249   464583.41
3807761.91   2.43742
        464603.41   3807761.91   2.30575   464623.41
3807761.91   2.27177
        464643.41   3807761.91   2.33437   464663.41
3807761.91   2.35884
        464683.41   3807761.91   2.31427   464703.41
3807761.91   2.26245
        464723.41   3807761.91   2.23086   464743.41
3807761.91   2.20172
        464763.41   3807761.91   2.15886   464783.41

3807761.91 2.12300
464803.41 3807761.91 2.08408 464823.41
3807761.91 2.04093
464843.41 3807761.91 1.99895 464863.41
3807761.91 1.95845
464883.41 3807761.91 1.92089 464903.41
3807761.91 1.88297
464923.41 3807761.91 1.84629 464943.41
3807761.91 1.81170
464963.41 3807761.91 1.77722 464983.41
3807761.91 1.74316
465003.41 3807761.91 1.71113 465023.41
3807761.91 1.67977
465043.41 3807761.91 1.64911 465063.41
3807761.91 1.61857
465083.41 3807761.91 1.58878 465103.41
3807761.91 1.55985
465123.41 3807761.91 1.53248 465143.41
3807761.91 1.50552
465163.41 3807761.91 1.47889 465183.41
3807761.91 1.45365
465203.41 3807761.91 1.42841 465223.41
3807761.91 1.40397
465243.41 3807761.91 1.37992 465263.41
3807761.91 1.35642
465283.41 3807761.91 1.33359 465303.41
3807761.91 1.31245
465323.41 3807761.91 1.29151 465343.41
3807761.91 1.27045
465363.41 3807761.91 1.25065 465383.41
3807761.91 1.23095
464543.41 3807781.91 2.86137 464563.41
3807781.91 2.78701
464583.41 3807781.91 2.69682 464603.41
3807781.91 2.60955
464623.41 3807781.91 2.53003 464643.41
3807781.91 2.46704
464663.41 3807781.91 2.42106 464683.41
3807781.91 2.38368
464703.41 3807781.91 2.32968 464723.41
3807781.91 2.28767
464743.41 3807781.91 2.24519 464763.41
3807781.91 2.20861
464783.41 3807781.91 2.16192 464803.41
3807781.91 2.11696
464823.41 3807781.91 2.07229 464843.41
3807781.91 2.02964
464863.41 3807781.91 1.98895 464883.41
3807781.91 1.94901
464903.41 3807781.91 1.91067 464923.41

3807781.91   1.87341
         464943.41   3807781.91   1.83714   464963.41
3807781.91   1.80152
         464983.41   3807781.91   1.76724   465003.41
3807781.91   1.73351
         465023.41   3807781.91   1.70129   465043.41
3807781.91   1.66993
         465063.41   3807781.91   1.63859   465083.41
3807781.91   1.60832
         465103.41   3807781.91   1.57931   465123.41
3807781.91   1.55106
         465143.41   3807781.91   1.52328   465163.41
3807781.91   1.49657
         465183.41   3807781.91   1.47057   465203.41
3807781.91   1.44475
         465223.41   3807781.91   1.41957   465243.41
3807781.91   1.39565

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                                    L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                                    L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                                    L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                                ** CONC OF PM_10   IN MICROGRAMS/M**3   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

```
        465343.41    3807781.91        1.28428                    465363.41
3807781.91        1.26388
        465383.41    3807781.91        1.24350                    464543.41
3807801.91        2.92436
        464563.41    3807801.91        2.84968                    464583.41
3807801.91        2.77753
        464603.41    3807801.91        2.70729                    464623.41
3807801.91        2.62605
        464643.41    3807801.91        2.54184                    464663.41
3807801.91        2.48820
        464683.41    3807801.91        2.44234                    464703.41
3807801.91        2.38631
        464723.41    3807801.91        2.33488                    464743.41
3807801.91        2.29057
        464763.41    3807801.91        2.24637                    464783.41
3807801.91        2.19776
        464803.41    3807801.91        2.15030                    464823.41
3807801.91        2.10465
        464843.41    3807801.91        2.06160                    464863.41
3807801.91        2.01952
        464883.41    3807801.91        1.97838                    464903.41
3807801.91        1.93904
        464923.41    3807801.91        1.90086                    464943.41
3807801.91        1.86286
        464963.41    3807801.91        1.82673                    464983.41
3807801.91        1.79164
        465003.41    3807801.91        1.75681                    465023.41
3807801.91        1.72326
        465043.41    3807801.91        1.69105                    465063.41
3807801.91        1.65910
        465083.41    3807801.91        1.62864                    465103.41
3807801.91        1.59906
        465123.41    3807801.91        1.56970                    465143.41
3807801.91        1.54172
        465163.41    3807801.91        1.51455                    465183.41
3807801.91        1.48741
        465203.41    3807801.91        1.46108                    465223.41
3807801.91        1.43556
        465243.41    3807801.91        1.41198                    465263.41
3807801.91        1.38808
        465283.41    3807801.91        1.36436                    465303.41
3807801.91        1.34136
        465323.41    3807801.91        1.31956                    465343.41
3807801.91        1.29839
        465363.41    3807801.91        1.27702                    465383.41
3807801.91        1.25631
        464543.41    3807821.91        2.98365                    464563.41
3807821.91        2.90963
        464583.41    3807821.91        2.83673                    464603.41
3807821.91        2.76335
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```
         464623.41    3807821.91        2.69162                       464643.41
3807821.91        2.61097
         464663.41    3807821.91        2.54538                       464683.41
3807821.91        2.48572
         464703.41    3807821.91        2.42785                       464723.41
3807821.91        2.38349
         464743.41    3807821.91        2.33594                       464763.41
3807821.91        2.28381
         464783.41    3807821.91        2.23325                       464803.41
3807821.91        2.18457
         464823.41    3807821.91        2.13917                       464843.41
3807821.91        2.09391
         464863.41    3807821.91        2.05031                       464883.41
3807821.91        2.00888
         464903.41    3807821.91        1.96801                       464923.41
3807821.91        1.92784
         464943.41    3807821.91        1.88981                       464963.41
3807821.91        1.85206
         464983.41    3807821.91        1.81572                       465003.41
3807821.91        1.78083
         465023.41    3807821.91        1.74628                       465043.41
3807821.91        1.71266
         465063.41    3807821.91        1.68071                       465083.41
3807821.91        1.64941
         465103.41    3807821.91        1.61858                       465123.41
3807821.91        1.58931
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 416
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465143.41	3807821.91	1.56060	465163.41	3807821.91	1.53222
465183.41	3807821.91	1.50455	465203.41	3807821.91	1.47832
465223.41	3807821.91	1.45322	465243.41	3807821.91	1.42813
465263.41	3807821.91	1.40335	465283.41	3807821.91	1.37929
465303.41	3807821.91	1.35666	465323.41	3807821.91	1.33433
465343.41	3807821.91	1.31212	465363.41	3807821.91	1.29041
465383.41	3807821.91	1.27000	464543.41	3807841.91	3.04120
464563.41	3807841.91	2.96487	464583.41	3807841.91	2.89341
464603.41	3807841.91	2.82184	464623.41	3807841.91	2.74794
464643.41	3807841.91	2.67828	464663.41	3807841.91	2.61207
464683.41	3807841.91	2.54815	464723.41	3807841.91	2.43063
464743.41	3807841.91	2.37591	464763.41	3807841.91	2.32184
464783.41	3807841.91	2.27030	464803.41	3807841.91	2.22121
464823.41	3807841.91	2.17321	464843.41	3807841.91	2.12721
464863.41	3807841.91	2.08263	464883.41	3807841.91	2.03937
464903.41	3807841.91	1.99704	464923.41	3807841.91	1.95636
464943.41	3807841.91	1.91648	464963.41	3807841.91	1.87821
464983.41	3807841.91	1.84070	465003.41	3807841.91	1.80467
465023.41	3807841.91	1.76935	465043.41	3807841.91	1.73545
465063.41	3807841.91	1.70253	465083.41	3807841.91	1.67023
465103.41	3807841.91	1.63923	465123.41	3807841.91	1.60911
465143.41	3807841.91	1.57955	465163.41	3807841.91	1.55113
465183.41	3807841.91	1.52294	465203.41		

3807841.91 1.49635
  465223.41 3807841.91 1.47029 465243.41
3807841.91 1.44498
  465263.41 3807841.91 1.41985 465283.41
3807841.91 1.39534
  465303.41 3807841.91 1.37206 465323.41
3807841.91 1.34890
  465343.41 3807841.91 1.32631 465363.41
3807841.91 1.30495
  465383.41 3807841.91 1.28387 464503.41
3807861.91 3.27359
  464523.41 3807861.91 3.18288 464543.41
3807861.91 3.09828
  464563.41 3807861.91 3.02003 464583.41
3807861.91 2.94751
  464603.41 3807861.91 2.87712 464723.41
3807861.91 2.47442
  464743.41 3807861.91 2.41657 464763.41
3807861.91 2.36076
  464783.41 3807861.91 2.30821 464803.41
3807861.91 2.25813
  464823.41 3807861.91 2.20858 464843.41
3807861.91 2.16128
  464863.41 3807861.91 2.11548 464883.41
3807861.91 2.07017
  464903.41 3807861.91 2.02709 464923.41
3807861.91 1.98536
  464943.41 3807861.91 1.94419 464963.41
3807861.91 1.90455
  464983.41 3807861.91 1.86655 465003.41
3807861.91 1.82909
  465023.41 3807861.91 1.79334 465043.41
3807861.91 1.75871
  465063.41 3807861.91 1.72453 465083.41
3807861.91 1.69193

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
  L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
  L0006024 , L0006025 , L0006026 , L0006027 , L0006028

, L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         465083.41    3807881.91        1.71425                        465103.41
3807881.91        1.68142
         465123.41    3807881.91        1.65057                        465143.41
3807881.91        1.62039
         465163.41    3807881.91        1.59038                        465183.41
3807881.91        1.56188
         465203.41    3807881.91        1.53393                        465223.41
3807881.91        1.50632
         465243.41    3807881.91        1.47953                        465263.41
3807881.91        1.45343
         465283.41    3807881.91        1.42812                        465303.41
3807881.91        1.40433
         465323.41    3807881.91        1.38051                        465343.41
3807881.91        1.35745
         465363.41    3807881.91        1.33480                        465383.41
3807881.91        1.31429
         464723.41    3807901.91        2.56550                        464743.41
3807901.91        2.50154
         464763.41    3807901.91        2.44318                        464783.41
3807901.91        2.38721
         464803.41    3807901.91        2.33332                        464823.41
3807901.91        2.28183
         464843.41    3807901.91        2.23109                        464863.41
3807901.91        2.18145
         464883.41    3807901.91        2.13463                        464903.41
3807901.91        2.08898
         464923.41    3807901.91        2.04430                        464943.41
3807901.91        2.00148
         464963.41    3807901.91        1.95950                        464983.41
3807901.91        1.91888
         465003.41    3807901.91        1.88073                        465023.41
3807901.91        1.84287
         465043.41    3807901.91        1.80651                        465063.41
3807901.91        1.77129
         465083.41    3807901.91        1.73682                        465103.41
3807901.91        1.70413
         465123.41    3807901.91        1.67207                        465143.41
3807901.91        1.64099
         465163.41    3807901.91        1.61085                        465183.41
3807901.91        1.58161
         465203.41    3807901.91        1.55274                        465223.41
3807901.91        1.52465
         465243.41    3807901.91        1.49795                        465263.41
3807901.91        1.47149
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 , L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 , L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 , L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465283.41	3807901.91	1.44571	465303.41	3807901.91	1.42124
465323.41	3807901.91	1.39808	465343.41	3807901.91	1.37572
465363.41	3807901.91	1.35259	465383.41	3807901.91	1.33095
464723.41	3807921.91	2.61489	464743.41	3807921.91	2.54721
464763.41	3807921.91	2.48742	464783.41	3807921.91	2.42926
464803.41	3807921.91	2.37266	464823.41	3807921.91	2.31921
464843.41	3807921.91	2.26701	464863.41	3807921.91	2.21608
464883.41	3807921.91	2.16782	464903.41	3807921.91	2.12094
464923.41	3807921.91	2.07551	464943.41	3807921.91	2.03093
464963.41	3807921.91	1.98788	464983.41	3807921.91	1.94673
465003.41	3807921.91	1.90722	465023.41	3807921.91	1.86891
465043.41	3807921.91	1.83178	465063.41	3807921.91	1.79529
465083.41	3807921.91	1.76085	465103.41	3807921.91	1.72750
465123.41	3807921.91	1.69429	465143.41		

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3807921.91        1.66262
         465163.41    3807921.91        1.63197                   465183.41
3807921.91        1.60169
         465203.41    3807921.91        1.57224                   465223.41
3807921.91        1.54366
         465243.41    3807921.91        1.51665                   465263.41
3807921.91        1.49099
         465283.41    3807921.91        1.46496                   465303.41
3807921.91        1.43941
         465323.41    3807921.91        1.41620                   465343.41
3807921.91        1.39507
         465363.41    3807921.91        1.37154                   465383.41
3807921.91        1.34931
         464723.41    3807941.91        2.66605                   464743.41
3807941.91        2.59773
         464763.41    3807941.91        2.53253                   464783.41
3807941.91        2.47194
         464803.41    3807941.91        2.41456                   464823.41
3807941.91        2.35843
         464843.41    3807941.91        2.30483                   464863.41
3807941.91        2.25273
         464883.41    3807941.91        2.20323                   464903.41
3807941.91        2.15433
         464923.41    3807941.91        2.10702                   464943.41
3807941.91        2.06127
         464963.41    3807941.91        2.01773                   464983.41
3807941.91        1.97576
         465003.41    3807941.91        1.93520                   465023.41
3807941.91        1.89583
         465043.41    3807941.91        1.85730                   465063.41
3807941.91        1.82100
         465083.41    3807941.91        1.78569                   465103.41
3807941.91        1.75072
         465123.41    3807941.91        1.71744                   465143.41
3807941.91        1.68504
         465163.41    3807941.91        1.65323                   465183.41
3807941.91        1.62304
         465203.41    3807941.91        1.59316                   465223.41
3807941.91        1.56434
         465243.41    3807941.91        1.53609                   465263.41
3807941.91        1.51021
         465283.41    3807941.91        1.48596                   465303.41
3807941.91        1.45995
         465323.41    3807941.91        1.43534                   465343.41
3807941.91        1.41179
         465363.41    3807941.91        1.38786                   465383.41
3807941.91        1.36609
         465403.41    3807941.91        1.34481                   465423.41
3807941.91        1.32300
         465443.41    3807941.91        1.30216                   465463.41
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465523.41	3807941.91	1.22218	465543.41	3807941.91	1.20453
465563.41	3807941.91	1.18691	465583.41	3807941.91	1.16919
465603.41	3807941.91	1.15182	465623.41	3807941.91	1.13577
465643.41	3807941.91	1.12031	465663.41	3807941.91	1.10455
465683.41	3807941.91	1.09057	465703.41	3807941.91	1.07650
464723.41	3807961.91	2.71601	464743.41	3807961.91	2.64768
464763.41	3807961.91	2.58000	464783.41	3807961.91	2.51658
464803.41	3807961.91	2.45689	464823.41	3807961.91	2.39939
464843.41	3807961.91	2.34342	464863.41	3807961.91	2.28994

```
        464883.41    3807961.91        2.23853                    464903.41
3807961.91        2.18824
        464923.41    3807961.91        2.13965                    464943.41
3807961.91        2.09334
        464963.41    3807961.91        2.04820                    464983.41
3807961.91        2.00504
        465003.41    3807961.91        1.96349                    465023.41
3807961.91        1.92316
        465043.41    3807961.91        1.88371                    465063.41
3807961.91        1.84700
        465083.41    3807961.91        1.81062                    465103.41
3807961.91        1.77537
        465123.41    3807961.91        1.74125                    465143.41
3807961.91        1.70787
        465163.41    3807961.91        1.67591                    465183.41
3807961.91        1.64494
        465203.41    3807961.91        1.61558                    465223.41
3807961.91        1.58729
        465243.41    3807961.91        1.55843                    465263.41
3807961.91        1.53126
        465283.41    3807961.91        1.50644                    465303.41
3807961.91        1.47994
        465323.41    3807961.91        1.45512                    465343.41
3807961.91        1.43090
        465363.41    3807961.91        1.40656                    465383.41
3807961.91        1.38351
        465403.41    3807961.91        1.36183                    465423.41
3807961.91        1.34029
        465443.41    3807961.91        1.31861                    465463.41
3807961.91        1.29646
        465483.41    3807961.91        1.27669                    465503.41
3807961.91        1.25671
        465523.41    3807961.91        1.23735                    465543.41
3807961.91        1.21903
        465563.41    3807961.91        1.20058                    465583.41
3807961.91        1.18276
        465603.41    3807961.91        1.16577                    465623.41
3807961.91        1.14946
        465643.41    3807961.91        1.13405                    465663.41
3807961.91        1.11864
        465683.41    3807961.91        1.10341                    465703.41
3807961.91        1.08848
        464743.41    3807981.91        2.69791                    464763.41
3807981.91        2.62921
        464783.41    3807981.91        2.56303                    464803.41
3807981.91        2.50034
        464823.41    3807981.91        2.44122                    464843.41
3807981.91        2.38385
        464863.41    3807981.91        2.32808                    464883.41
3807981.91        2.27514
```

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465143.41   3807981.91   1.73188   465163.41
3807981.91   1.70011
         465183.41   3807981.91   1.66818   465203.41
3807981.91   1.63881
         465223.41   3807981.91   1.61167   465243.41
3807981.91   1.58223
         465263.41   3807981.91   1.55364   465283.41
3807981.91   1.52611
         465303.41   3807981.91   1.49960   465323.41

```
3807981.91        1.47442
         465343.41    3807981.91        1.45085                   465363.41
3807981.91        1.42630
         465383.41    3807981.91        1.40226                   465403.41
3807981.91        1.37936
         465423.41    3807981.91        1.35715                   465443.41
3807981.91        1.33561
         465463.41    3807981.91        1.31287                   465483.41
3807981.91        1.29267
         465503.41    3807981.91        1.27271                   465523.41
3807981.91        1.25286
         465543.41    3807981.91        1.23398                   465563.41
3807981.91        1.21516
         465583.41    3807981.91        1.19689                   465603.41
3807981.91        1.18024
         465623.41    3807981.91        1.16420                   465643.41
3807981.91        1.14769
         465663.41    3807981.91        1.13245                   465683.41
3807981.91        1.11653
         465703.41    3807981.91        1.10068                   464763.41
3808001.91        2.67930
         464783.41    3808001.91        2.61150                   464803.41
3808001.91        2.54624
         464823.41    3808001.91        2.48538                   464843.41
3808001.91        2.42574
         464863.41    3808001.91        2.36835                   464883.41
3808001.91        2.31370
         464903.41    3808001.91        2.26102                   464923.41
3808001.91        2.20981
         464943.41    3808001.91        2.16045                   464963.41
3808001.91        2.11340
         464983.41    3808001.91        2.06805                   465003.41
3808001.91        2.02376
         465023.41    3808001.91        1.98154                   465043.41
3808001.91        1.94119
         465063.41    3808001.91        1.90166                   465083.41
3808001.91        1.86361
         465103.41    3808001.91        1.82688                   465123.41
3808001.91        1.79072
         465143.41    3808001.91        1.75634                   465163.41
3808001.91        1.72410
         465183.41    3808001.91        1.69336                   465203.41
3808001.91        1.66331
         465223.41    3808001.91        1.63353                   465243.41
3808001.91        1.60350
         465263.41    3808001.91        1.57434                   465283.41
3808001.91        1.54672
         465303.41    3808001.91        1.52052                   465323.41
3808001.91        1.49483
         465343.41    3808001.91        1.46974                   465363.41
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3808001.91        1.44550
         465383.41    3808001.91        1.42128                       465403.41
3808001.91        1.39779
         465423.41    3808001.91        1.37470                       465443.41
3808001.91        1.35221
         465463.41    3808001.91        1.32988                       465483.41
3808001.91        1.30894
         465503.41    3808001.91        1.28821                       465523.41
3808001.91        1.26844
         465543.41    3808001.91        1.25004                       465563.41
3808001.91        1.23108
         465583.41    3808001.91        1.21241                       465603.41
3808001.91        1.19456
         465623.41    3808001.91        1.17862                       465643.41
3808001.91        1.16261
         465663.41    3808001.91        1.14581                       465683.41
3808001.91        1.12933
         465703.41    3808001.91        1.11343                       464763.41
3808021.91        2.72922
         464783.41    3808021.91        2.66085                       464803.41
3808021.91        2.59431
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 421
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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         464823.41    3808021.91        2.53046                    464843.41
3808021.91        2.46907
         464863.41    3808021.91        2.41002                    464883.41
3808021.91        2.35369
         464903.41    3808021.91        2.29907                    464923.41
3808021.91        2.24695
         464943.41    3808021.91        2.19630                    464963.41
3808021.91        2.14752
         464983.41    3808021.91        2.10096                    465003.41
3808021.91        2.05608
         465023.41    3808021.91        2.01318                    465043.41
3808021.91        1.97136
         465063.41    3808021.91        1.93099                    465083.41
3808021.91        1.89161
         465103.41    3808021.91        1.85394                    465123.41
3808021.91        1.81754
         465143.41    3808021.91        1.78198                    465163.41
3808021.91        1.74883
         465183.41    3808021.91        1.71786                    465203.41
3808021.91        1.68783
         465223.41    3808021.91        1.65695                    465243.41
3808021.91        1.62711
         465263.41    3808021.91        1.59759                    465283.41
3808021.91        1.56875
         465303.41    3808021.91        1.54178                    465323.41
3808021.91        1.51566
         465343.41    3808021.91        1.49004                    465363.41
3808021.91        1.46503
         465383.41    3808021.91        1.44016                    465403.41
3808021.91        1.41618
         465423.41    3808021.91        1.39318                    465443.41
3808021.91        1.37067
         465463.41    3808021.91        1.34735                    465483.41
3808021.91        1.32626
         465503.41    3808021.91        1.30554                    465523.41
3808021.91        1.28504
         465543.41    3808021.91        1.26575                    465563.41
3808021.91        1.24780
         465583.41    3808021.91        1.22971                    465603.41
3808021.91        1.21116
         465623.41    3808021.91        1.19346                    465643.41
3808021.91        1.17652
         465663.41    3808021.91        1.15930                    465683.41
3808021.91        1.14353
         465703.41    3808021.91        1.12798                    464783.41
3808041.91        2.71075
         464803.41    3808041.91        2.64256                    464823.41
3808041.91        2.57731
         464843.41    3808041.91        2.51443                    464863.41
3808041.91        2.45330
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         464883.41    3808041.91        2.39491                        464903.41
3808041.91        2.33917
         464923.41    3808041.91        2.28557                        464943.41
3808041.91        2.23360
         464963.41    3808041.91        2.18352                        464983.41
3808041.91        2.13524
         465003.41    3808041.91        2.09012                        465023.41
3808041.91        2.04569
         465043.41    3808041.91        2.00241                        465063.41
3808041.91        1.96112
         465083.41    3808041.91        1.92119                        465103.41
3808041.91        1.88221
         465123.41    3808041.91        1.84508                        465143.41
3808041.91        1.80994
         465163.41    3808041.91        1.77500                        465183.41
3808041.91        1.74303
         465203.41    3808041.91        1.71284                        465223.41
3808041.91        1.68081
         465243.41    3808041.91        1.65133                        465263.41
3808041.91        1.62205
         465283.41    3808041.91        1.59264                        465303.41
3808041.91        1.56405
         465323.41    3808041.91        1.53711                        465343.41
3808041.91        1.51090
         465363.41    3808041.91        1.48521                        465383.41
3808041.91        1.45981
         465403.41    3808041.91        1.43517                        465423.41
3808041.91        1.41234
         465443.41    3808041.91        1.38987                        465463.41
3808041.91        1.36505
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 422
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465483.41	3808041.91	1.34419	465503.41	3808041.91	1.32419
465523.41	3808041.91	1.30348	465543.41	3808041.91	1.28308
465563.41	3808041.91	1.26423	465583.41	3808041.91	1.24591
465603.41	3808041.91	1.22703	465623.41	3808041.91	1.20862
465643.41	3808041.91	1.19068	465663.41	3808041.91	1.17356
465683.41	3808041.91	1.15791	465703.41	3808041.91	1.14274
464803.41	3808061.91	2.69311	464823.41	3808061.91	2.62665
464843.41	3808061.91	2.56077	464863.41	3808061.91	2.49831
464883.41	3808061.91	2.43829	464903.41	3808061.91	2.38102
464923.41	3808061.91	2.32549	464943.41	3808061.91	2.27206
464963.41	3808061.91	2.22059	464983.41	3808061.91	2.17101
465003.41	3808061.91	2.12468	465023.41	3808061.91	2.07956
465043.41	3808061.91	2.03566	465063.41	3808061.91	1.99283
465083.41	3808061.91	1.95197	465103.41	3808061.91	1.91258
465123.41	3808061.91	1.87397	465143.41	3808061.91	1.83819
465163.41	3808061.91	1.80482	465183.41	3808061.91	1.77110
465203.41	3808061.91	1.73886	465223.41	3808061.91	1.70716
465243.41	3808061.91	1.67541	465263.41	3808061.91	1.64586
465283.41	3808061.91	1.61630	465303.41	3808061.91	1.58714
465323.41	3808061.91	1.55919	465343.41	3808061.91	1.53219
465363.41	3808061.91	1.50665	465383.41		

3808061.91   1.48087
         465403.41   3808061.91   1.45570   465423.41
3808061.91   1.43159
         465443.41   3808061.91   1.40824   465463.41
3808061.91   1.38425
         465483.41   3808061.91   1.36210   465503.41
3808061.91   1.34207
         465523.41   3808061.91   1.32206   465543.41
3808061.91   1.30128
         465563.41   3808061.91   1.28110   465583.41
3808061.91   1.26146
         465603.41   3808061.91   1.24222   465623.41
3808061.91   1.22346
         465643.41   3808061.91   1.20541   465663.41
3808061.91   1.18937
         465683.41   3808061.91   1.17276   465703.41
3808061.91   1.15631
         464823.41   3808081.91   2.67657   464843.41
3808081.91   2.61069
         464863.41   3808081.91   2.54656   464883.41
3808081.91   2.48432
         464903.41   3808081.91   2.42427   464923.41
3808081.91   2.36723
         464943.41   3808081.91   2.31225   464963.41
3808081.91   2.25936
         464983.41   3808081.91   2.20936   465003.41
3808081.91   2.16078
         465023.41   3808081.91   2.11444   465043.41
3808081.91   2.06938
         465063.41   3808081.91   2.02543   465083.41
3808081.91   1.98354
         465103.41   3808081.91   1.94413   465123.41
3808081.91   1.90519
         465143.41   3808081.91   1.86879   465163.41
3808081.91   1.83503
         465183.41   3808081.91   1.79988   465203.41
3808081.91   1.76588
         465223.41   3808081.91   1.73351   465243.41
3808081.91   1.70160

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0006011   , L0006012

, L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         465023.41    3808101.91        2.15081                       465043.41
3808101.91        2.10452
         465063.41    3808101.91        2.05943                       465083.41
3808101.91        2.01646
         465103.41    3808101.91        1.97635                       465123.41
3808101.91        1.93806
         465143.41    3808101.91        1.90123                       465163.41
3808101.91        1.86395
         465183.41    3808101.91        1.82896                       465203.41
3808101.91        1.79459
         465223.41    3808101.91        1.76065                       465243.41
3808101.91        1.72752
         465263.41    3808101.91        1.69572                       465283.41
3808101.91        1.66432
         465303.41    3808101.91        1.63432                       465323.41
3808101.91        1.60549
         465343.41    3808101.91        1.57851                       465363.41
3808101.91        1.55120
         465383.41    3808101.91        1.52420                       465403.41
3808101.91        1.49824
         465423.41    3808101.91        1.47408                       465443.41
3808101.91        1.44960
         465463.41    3808101.91        1.42377                       465483.41
3808101.91        1.40173
         465503.41    3808101.91        1.37946                       465523.41
3808101.91        1.35817
         465543.41    3808101.91        1.33808                       465563.41
3808101.91        1.31787
         465583.41    3808101.91        1.29734                       465603.41
3808101.91        1.27733
         465623.41    3808101.91        1.25782                       465643.41
3808101.91        1.23900
         465663.41    3808101.91        1.22133                       465683.41
3808101.91        1.20323
         465703.41    3808101.91        1.18577                       464863.41
3808121.91        2.64690
         464883.41    3808121.91        2.58138                       464903.41
3808121.91        2.51864
         464923.41    3808121.91        2.45766                       464943.41
3808121.91        2.39945
         464963.41    3808121.91        2.34390                       464983.41
3808121.91        2.29001
         465003.41    3808121.91        2.23860                       465023.41
3808121.91        2.18916
         465043.41    3808121.91        2.14111                       465063.41
3808121.91        2.09531
         465083.41    3808121.91        2.05268                       465103.41
3808121.91        2.01244
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
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*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 , L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 , L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 , L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465123.41	3808121.91	1.97220	465143.41	3808121.91	1.93218
465163.41	3808121.91	1.89393	465183.41	3808121.91	1.85803
465203.41	3808121.91	1.82333	465223.41	3808121.91	1.78878
465243.41	3808121.91	1.75461	465263.41	3808121.91	1.72147
465283.41	3808121.91	1.68977	465303.41	3808121.91	1.65971
465323.41	3808121.91	1.62979	465343.41	3808121.91	1.60183
465363.41	3808121.91	1.57477	465383.41	3808121.91	1.54776
465403.41	3808121.91	1.52094	465423.41	3808121.91	1.49496
465443.41	3808121.91	1.46965	465463.41	3808121.91	1.44489
465483.41	3808121.91	1.42104	465503.41	3808121.91	1.39916
465523.41	3808121.91	1.37783	465543.41	3808121.91	1.35600
465563.41	3808121.91	1.33506	465583.41		

3808121.91 1.31410
465603.41 3808121.91 1.29367 465623.41
3808121.91 1.27375
465643.41 3808121.91 1.25521 465663.41
3808121.91 1.23822
465683.41 3808121.91 1.22048 465703.41
3808121.91 1.20241
464883.41 3808141.91 2.63322 464903.41
3808141.91 2.56798
464923.41 3808141.91 2.50573 464943.41
3808141.91 2.44569
464963.41 3808141.91 2.38797 464983.41
3808141.91 2.33245
465003.41 3808141.91 2.27949 465023.41
3808141.91 2.22858
465043.41 3808141.91 2.17913 465063.41
3808141.91 2.13204
465083.41 3808141.91 2.08875 465103.41
3808141.91 2.04843
465123.41 3808141.91 2.00562 465143.41
3808141.91 1.96516
465163.41 3808141.91 1.92592 465183.41
3808141.91 1.88827
465203.41 3808141.91 1.85246 465223.41
3808141.91 1.81704
465243.41 3808141.91 1.78199 465263.41
3808141.91 1.74853
465283.41 3808141.91 1.71628 465303.41
3808141.91 1.68501
465323.41 3808141.91 1.65570 465343.41
3808141.91 1.62663
465363.41 3808141.91 1.59837 465383.41
3808141.91 1.57020
465403.41 3808141.91 1.54296 465423.41
3808141.91 1.51752
465443.41 3808141.91 1.49212 465463.41
3808141.91 1.46680
465483.41 3808141.91 1.44232 465503.41
3808141.91 1.41903
465523.41 3808141.91 1.39784 465543.41
3808141.91 1.37641
465563.41 3808141.91 1.35518 465583.41
3808141.91 1.33375
465603.41 3808141.91 1.31287 465623.41
3808141.91 1.29252
465643.41 3808141.91 1.27274 465663.41
3808141.91 1.25469
465683.41 3808141.91 1.23772 465703.41
3808141.91 1.21991
464883.41 3808161.91 2.68644 464903.41

3808161.91 2.61980
 464923.41 3808161.91 2.55533 464943.41
3808161.91 2.49336
 464963.41 3808161.91 2.43382 464983.41
3808161.91 2.37658
 465003.41 3808161.91 2.32198 465023.41
3808161.91 2.26951

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465043.41	3808161.91	2.21860	465063.41	3808161.91	2.17055
465083.41	3808161.91	2.12614	465103.41	3808161.91	2.08418
465123.41	3808161.91	2.04062	465143.41	3808161.91	1.99903
465163.41	3808161.91	1.95986	465183.41	3808161.91	1.92032
465203.41	3808161.91	1.88266	465223.41	3808161.91	1.84613
465243.41	3808161.91	1.81064	465263.41	3808161.91	1.77649
465283.41	3808161.91	1.74445	465303.41	3808161.91	1.71230

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        465323.41    3808161.91        1.68158                    465343.41
3808161.91        1.65180
        465363.41    3808161.91        1.62241                    465383.41
3808161.91        1.59400
        465403.41    3808161.91        1.56615                    465423.41
3808161.91        1.54037
        465443.41    3808161.91        1.51479                    465463.41
3808161.91        1.48930
        465483.41    3808161.91        1.46528                    465503.41
3808161.91        1.44096
        465523.41    3808161.91        1.41750                    465543.41
3808161.91        1.39666
        465563.41    3808161.91        1.37480                    465583.41
3808161.91        1.35290
        465603.41    3808161.91        1.33157                    465623.41
3808161.91        1.31165
        465643.41    3808161.91        1.29178                    465663.41
3808161.91        1.27199
        465683.41    3808161.91        1.25394                    465703.41
3808161.91        1.23784
        464903.41    3808181.91        2.67387                    464923.41
3808181.91        2.60749
        464943.41    3808181.91        2.54356                    464963.41
3808181.91        2.48217
        464983.41    3808181.91        2.42318                    465003.41
3808181.91        2.36645
        465023.41    3808181.91        2.31234                    465043.41
3808181.91        2.26036
        465063.41    3808181.91        2.21269                    465083.41
3808181.91        2.16614
        465103.41    3808181.91        2.12125                    465123.41
3808181.91        2.07702
        465143.41    3808181.91        2.03435                    465163.41
3808181.91        1.99302
        465183.41    3808181.91        1.95295                    465203.41
3808181.91        1.91411
        465223.41    3808181.91        1.87646                    465243.41
3808181.91        1.84059
        465263.41    3808181.91        1.80516                    465283.41
3808181.91        1.77197
        465303.41    3808181.91        1.73982                    465323.41
3808181.91        1.70801
        465343.41    3808181.91        1.67681                    465363.41
3808181.91        1.64807
        465383.41    3808181.91        1.61910                    465403.41
3808181.91        1.59039
        465423.41    3808181.91        1.56273                    465443.41
3808181.91        1.53623
        465463.41    3808181.91        1.51089                    465483.41
3808181.91        1.48731
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         465503.41    3808181.91        1.46320                       465523.41
3808181.91        1.43897
         465543.41    3808181.91        1.41569                       465563.41
3808181.91        1.39296
         465583.41    3808181.91        1.37058                       465603.41
3808181.91        1.34878
         465623.41    3808181.91        1.32959                       465643.41
3808181.91        1.31060
         465663.41    3808181.91        1.29038                       465683.41
3808181.91        1.27073
         465703.41    3808181.91        1.25358                       464923.41
3808201.91        2.66171
         464943.41    3808201.91        2.59483                       464963.41
3808201.91        2.53161
         464983.41    3808201.91        2.47078                       465003.41
3808201.91        2.41232
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                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         465023.41    3808201.91        2.35650                       465043.41
3808201.91        2.30524
         465063.41    3808201.91        2.25482                       465083.41
3808201.91        2.20736
         465103.41    3808201.91        2.15975                       465123.41
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3808201.91 2.11417
465143.41 3808201.91 2.07025 465163.41
3808201.91 2.02757
465183.41 3808201.91 1.98623 465203.41
3808201.91 1.94622
465223.41 3808201.91 1.90770 465243.41
3808201.91 1.87044
465263.41 3808201.91 1.83543 465283.41
3808201.91 1.80087
465303.41 3808201.91 1.76735 465323.41
3808201.91 1.73525
465343.41 3808201.91 1.70379 465363.41
3808201.91 1.67342
465383.41 3808201.91 1.64534 465403.41
3808201.91 1.61708
465423.41 3808201.91 1.58850 465443.41
3808201.91 1.56074
465463.41 3808201.91 1.53381 465483.41
3808201.91 1.50896
465503.41 3808201.91 1.48380 465523.41
3808201.91 1.45900
465543.41 3808201.91 1.43486 465563.41
3808201.91 1.41309
465583.41 3808201.91 1.39086 465603.41
3808201.91 1.36856
465623.41 3808201.91 1.34783 465643.41
3808201.91 1.32853
465663.41 3808201.91 1.30785 465683.41
3808201.91 1.28930
465703.41 3808201.91 1.27070 464943.41
3808221.91 2.64988
464963.41 3808221.91 2.58372 464983.41
3808221.91 2.52094
465003.41 3808221.91 2.46063 465023.41
3808221.91 2.40424
465043.41 3808221.91 2.35215 465063.41
3808221.91 2.29894
465083.41 3808221.91 2.24825 465103.41
3808221.91 2.20029
465123.41 3808221.91 2.15238 465143.41
3808221.91 2.10682
465163.41 3808221.91 2.06272 465183.41
3808221.91 2.02013
465203.41 3808221.91 1.97912 465223.41
3808221.91 1.94057
465243.41 3808221.91 1.90223 465263.41
3808221.91 1.86554
465283.41 3808221.91 1.83003 465303.41
3808221.91 1.79520
465323.41 3808221.91 1.76256 465343.41

3808221.91 1.73135
  465363.41 3808221.91 1.70040 465383.41
3808221.91 1.67073
  465403.41 3808221.91 1.64230 465423.41
3808221.91 1.61303
  465443.41 3808221.91 1.58460 465463.41
3808221.91 1.55698
  465483.41 3808221.91 1.53014 465503.41
3808221.91 1.50499
  465523.41 3808221.91 1.48005 465543.41
3808221.91 1.45534
  465563.41 3808221.91 1.43261 465583.41
3808221.91 1.41190
  465603.41 3808221.91 1.38908 465623.41
3808221.91 1.36773
  465643.41 3808221.91 1.34657 465663.41
3808221.91 1.32544
  465683.41 3808221.91 1.30617 465703.41
3808221.91 1.28813
  464963.41 3808241.91 2.63851 464983.41
3808241.91 2.57366
  465003.41 3808241.91 2.51140 465023.41
3808241.91 2.45235
  465043.41 3808241.91 2.39688 465063.41
3808241.91 2.34238

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465083.41	3808241.91	2.29144	465103.41	3808241.91	2.24030
465123.41	3808241.91	2.19104	465143.41	3808241.91	2.14389
465163.41	3808241.91	2.09846	465183.41	3808241.91	2.05508
465203.41	3808241.91	2.01254	465223.41	3808241.91	1.97267
465243.41	3808241.91	1.93402	465263.41	3808241.91	1.89604
465283.41	3808241.91	1.85893	465303.41	3808241.91	1.82452
465323.41	3808241.91	1.79036	465343.41	3808241.91	1.75823
465363.41	3808241.91	1.72739	465383.41	3808241.91	1.69663
465403.41	3808241.91	1.66604	465423.41	3808241.91	1.63605
465443.41	3808241.91	1.60693	465463.41	3808241.91	1.57865
465483.41	3808241.91	1.55117	465503.41	3808241.91	1.52663
465523.41	3808241.91	1.50244	465543.41	3808241.91	1.47717
465563.41	3808241.91	1.45265	465583.41	3808241.91	1.43011
465603.41	3808241.91	1.40678	465623.41	3808241.91	1.38631
465643.41	3808241.91	1.36588	465663.41	3808241.91	1.34428
465683.41	3808241.91	1.32330	465703.41	3808241.91	1.30412
464983.41	3808261.91	2.62927	465003.41	3808261.91	2.56519
465023.41	3808261.91	2.50355	465043.41	3808261.91	2.44443
465063.41	3808261.91	2.38779	465083.41	3808261.91	2.33296
465103.41	3808261.91	2.28097	465123.41	3808261.91	2.23043
465143.41	3808261.91	2.18193	465163.41	3808261.91	2.13477
465183.41	3808261.91	2.08977	465203.41	3808261.91	2.04745
465223.41	3808261.91	2.00589	465243.41	3808261.91	1.96567

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         465263.41    3808261.91        1.92607                        465283.41
3808261.91        1.88811
         465303.41    3808261.91        1.85281                        465323.41
3808261.91        1.81980
         465343.41    3808261.91        1.78625                        465363.41
3808261.91        1.75395
         465383.41    3808261.91        1.72350                        465403.41
3808261.91        1.69243
         465423.41    3808261.91        1.66170                        465443.41
3808261.91        1.63188
         465463.41    3808261.91        1.60290                        465483.41
3808261.91        1.57477
         465503.41    3808261.91        1.54846                        465523.41
3808261.91        1.52390
         465543.41    3808261.91        1.49803                        465563.41
3808261.91        1.47461
         465583.41    3808261.91        1.45116                        465603.41
3808261.91        1.42731
         465623.41    3808261.91        1.40507                        465643.41
3808261.91        1.38413
         465663.41    3808261.91        1.36318                        465683.41
3808261.91        1.34226
         465703.41    3808261.91        1.32134                        465003.41
3808281.91        2.61508
         465023.41    3808281.91        2.55156                        465043.41
3808281.91        2.49078
         465063.41    3808281.91        2.43226                        465083.41
3808281.91        2.37578
         465103.41    3808281.91        2.32156                        465123.41
3808281.91        2.27002
         465143.41    3808281.91        2.22059                        465163.41
3808281.91        2.17250
         465183.41    3808281.91        2.12622                        465203.41
3808281.91        2.08190
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 428
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                 L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                 L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
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L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465223.41	3808281.91	2.03909	465243.41	3808281.91	1.99700
465263.41	3808281.91	1.95649	465283.41	3808281.91	1.91808
465303.41	3808281.91	1.88168	465323.41	3808281.91	1.84833
465343.41	3808281.91	1.81443	465363.41	3808281.91	1.78134
465383.41	3808281.91	1.74918	465403.41	3808281.91	1.71990
465423.41	3808281.91	1.68966	465443.41	3808281.91	1.65938
465463.41	3808281.91	1.62789	465483.41	3808281.91	1.59908
465503.41	3808281.91	1.57108	465523.41	3808281.91	1.54413
465543.41	3808281.91	1.51886	465563.41	3808281.91	1.49454
465583.41	3808281.91	1.47141	465603.41	3808281.91	1.44703
465623.41	3808281.91	1.42409	465643.41	3808281.91	1.40181
465663.41	3808281.91	1.38102	465683.41	3808281.91	1.36200
465703.41	3808281.91	1.34077	465003.41	3808301.91	2.66640
465023.41	3808301.91	2.60129	465043.41	3808301.91	2.53731
465063.41	3808301.91	2.47879	465083.41	3808301.91	2.42054
465103.41	3808301.91	2.36296	465123.41	3808301.91	2.30956
465143.41	3808301.91	2.25834	465163.41	3808301.91	2.20917
465183.41	3808301.91	2.16220	465203.41	3808301.91	2.11638
465223.41	3808301.91	2.07163	465243.41		

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3808301.91        2.02838
         465263.41    3808301.91        1.98794                        465283.41
3808301.91        1.94899
         465303.41    3808301.91        1.91376                        465323.41
3808301.91        1.87712
         465343.41    3808301.91        1.84210                        465363.41
3808301.91        1.80884
         465383.41    3808301.91        1.77576                        465403.41
3808301.91        1.74468
         465423.41    3808301.91        1.71486                        465443.41
3808301.91        1.68425
         465463.41    3808301.91        1.64974                        465483.41
3808301.91        1.62025
         465503.41    3808301.91        1.59161                        465523.41
3808301.91        1.56475
         465543.41    3808301.91        1.54016                        465563.41
3808301.91        1.51461
         465583.41    3808301.91        1.48966                        465603.41
3808301.91        1.46476
         465623.41    3808301.91        1.44228                        465643.41
3808301.91        1.42065
         465663.41    3808301.91        1.39789                        465683.41
3808301.91        1.37869
         465703.41    3808301.91        1.35850                        465043.41
3808321.91        2.58536
         465063.41    3808321.91        2.52331                        465083.41
3808321.91        2.46341
         465103.41    3808321.91        2.40613                        465123.41
3808321.91        2.35090
         465143.41    3808321.91        2.29771                        465163.41
3808321.91        2.24644
         465183.41    3808321.91        2.19773                        465203.41
3808321.91        2.15009
         465223.41    3808321.91        2.10430                        465243.41
3808321.91        2.06106
         465263.41    3808321.91        2.01959                        465283.41
3808321.91        1.98172
         465303.41    3808321.91        1.94311                        465323.41
3808321.91        1.90667
         465343.41    3808321.91        1.87043                        465363.41
3808321.91        1.83510
         465383.41    3808321.91        1.80354                        465403.41
3808321.91        1.77055
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 429
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
```

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 , L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 , L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 , L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465423.41	3808321.91	1.73876	465443.41	3808321.91	1.70745
465463.41	3808321.91	1.67439	465483.41	3808321.91	1.64423
465503.41	3808321.91	1.61493	465523.41	3808321.91	1.58653
465543.41	3808321.91	1.56013	465563.41	3808321.91	1.53393
465583.41	3808321.91	1.50860	465603.41	3808321.91	1.48431
465623.41	3808321.91	1.46079	465643.41	3808321.91	1.43975
465663.41	3808321.91	1.41777	465683.41	3808321.91	1.39603
465703.41	3808321.91	1.37548	465083.41	3808341.91	2.50694
465103.41	3808341.91	2.44784	465123.41	3808341.91	2.39062
465143.41	3808341.91	2.33584	465163.41	3808341.91	2.28323
465183.41	3808341.91	2.23251	465203.41	3808341.91	2.18377
465223.41	3808341.91	2.13752	465243.41	3808341.91	2.09333
465263.41	3808341.91	2.05298	465283.41	3808341.91	2.01249
465303.41	3808341.91	1.97299	465323.41	3808341.91	1.93518

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        465343.41    3808341.91        1.90119                    465363.41
3808341.91        1.86404
        465383.41    3808341.91        1.82913                    465403.41
3808341.91        1.79655
        465423.41    3808341.91        1.76357                    465443.41
3808341.91        1.73085
        465463.41    3808341.91        1.69795                    465483.41
3808341.91        1.66712
        465503.41    3808341.91        1.63719                    465523.41
3808341.91        1.60840
        465543.41    3808341.91        1.58092                    465563.41
3808341.91        1.55351
        465583.41    3808341.91        1.52746                    465603.41
3808341.91        1.50330
        465623.41    3808341.91        1.48116                    465643.41
3808341.91        1.45702
        465663.41    3808341.91        1.43511                    465683.41
3808341.91        1.41375
        465703.41    3808341.91        1.39160                    465103.41
3808361.91        2.48882
        465123.41    3808361.91        2.42978                    465143.41
3808361.91        2.37299
        465163.41    3808361.91        2.31895                    465183.41
3808361.91        2.26688
        465203.41    3808361.91        2.21799                    465223.41
3808361.91        2.17076
        465243.41    3808361.91        2.12433                    465263.41
3808361.91        2.08269
        465283.41    3808361.91        2.04243                    465303.41
3808361.91        2.00256
        465323.41    3808361.91        1.96690                    465343.41
3808361.91        1.92934
        465363.41    3808361.91        1.89137                    465383.41
3808361.91        1.85462
        465403.41    3808361.91        1.82065                    465423.41
3808361.91        1.78808
        465443.41    3808361.91        1.75557                    465463.41
3808361.91        1.71925
        465483.41    3808361.91        1.68775                    465503.41
3808361.91        1.65718
        465523.41    3808361.91        1.62839                    465543.41
3808361.91        1.60147
        465563.41    3808361.91        1.57455                    465583.41
3808361.91        1.54734
        465603.41    3808361.91        1.52111                    465623.41
3808361.91        1.49877
        465643.41    3808361.91        1.47544                    465663.41
3808361.91        1.45167
        465683.41    3808361.91        1.43032                    465703.41
3808361.91        1.40904
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465223.41   3808381.91   2.20590   465243.41
3808381.91   2.15958
         465263.41   3808381.91   2.11635   465283.41
3808381.91   2.07661
         465303.41   3808381.91   2.03480   465323.41
3808381.91   1.99540
         465343.41   3808381.91   1.95825   465363.41
3808381.91   1.91944
         465383.41   3808381.91   1.88186   465403.41
3808381.91   1.84549
         465423.41   3808381.91   1.81142   465443.41
3808381.91   1.77912
         465463.41   3808381.91   1.74287   465483.41
3808381.91   1.71072
         465503.41   3808381.91   1.67952   465523.41
3808381.91   1.64930
         465543.41   3808381.91   1.62113   465563.41
3808381.91   1.59575
         465583.41   3808381.91   1.56909   465603.41

3808381.91 1.54208
465623.41 3808381.91 1.51690 465643.41
3808381.91 1.49320
465663.41 3808381.91 1.46979 465683.41
3808381.91 1.44693
465703.41 3808381.91 1.42768 465303.41
3808401.91 2.06594
465323.41 3808401.91 2.02474 465343.41
3808401.91 1.98795
465363.41 3808401.91 1.94830 465383.41
3808401.91 1.90992
465403.41 3808401.91 1.87276 465423.41
3808401.91 1.83675
465443.41 3808401.91 1.80185 465463.41
3808401.91 1.76801
465483.41 3808401.91 1.73520 465503.41
3808401.91 1.70336
465523.41 3808401.91 1.67247 465543.41
3808401.91 1.64247
465563.41 3808401.91 1.61456 465583.41
3808401.91 1.58831
465603.41 3808401.91 1.56081 465623.41
3808401.91 1.53530
465643.41 3808401.91 1.50991 465663.41
3808401.91 1.48701
465683.41 3808401.91 1.46665 465703.41
3808401.91 1.44317
465323.41 3808421.91 2.05619 465343.41
3808421.91 2.01443
465363.41 3808421.91 1.97403 465383.41
3808421.91 1.93492
465403.41 3808421.91 1.89706 465423.41
3808421.91 1.86038
465443.41 3808421.91 1.82485 465463.41
3808421.91 1.79040
465483.41 3808421.91 1.75699 465503.41
3808421.91 1.72459
465523.41 3808421.91 1.69315 465543.41
3808421.91 1.66263
465563.41 3808421.91 1.63336 465583.41
3808421.91 1.60508
465603.41 3808421.91 1.57711 465623.41
3808421.91 1.55231
465643.41 3808421.91 1.52783 465663.41
3808421.91 1.50290
465683.41 3808421.91 1.48260 465703.41
3808421.91 1.45986
465323.41 3808441.91 2.08428 465343.41
3808441.91 2.04152
465363.41 3808441.91 1.99931 465383.41

3808441.91   1.95796
         465403.41   3808441.91   1.91939   465423.41
3808441.91   1.88204
         465443.41   3808441.91   1.84585   465463.41
3808441.91   1.81078
         465483.41   3808441.91   1.77678   465503.41
3808441.91   1.74381
         465523.41   3808441.91   1.71183   465543.41
3808441.91   1.68079
         465563.41   3808441.91   1.65066   465583.41
3808441.91   1.62140

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         465603.41   3808441.91   1.59297   465623.41
3808441.91   1.56784
         465643.41   3808441.91   1.54698   465663.41
3808441.91   1.52244
         465683.41   3808441.91   1.49811   465703.41
3808441.91   1.47476
         465343.41   3808461.91   2.07175   465363.41
3808461.91   2.02291
         465383.41   3808461.91   1.98140   465403.41
3808461.91   1.94178

```
         465423.41    3808461.91        1.90377                    465443.41
3808461.91        1.86695
         465463.41    3808461.91        1.83127                    465483.41
3808461.91        1.79670
         465503.41    3808461.91        1.76296                    465523.41
3808461.91        1.72907
         465543.41    3808461.91        1.69754                    465563.41
3808461.91        1.66693
         465583.41    3808461.91        1.63722                    465603.41
3808461.91        1.60836
         465623.41    3808461.91        1.58283                    465643.41
3808461.91        1.56200
         465663.41    3808461.91        1.53798                    465683.41
3808461.91        1.51354
         465703.41    3808461.91        1.48899                    465343.41
3808481.91        2.09642
         465363.41    3808481.91        2.05342                    465383.41
3808481.91        2.01043
         465403.41    3808481.91        1.96456                    465423.41
3808481.91        1.92598
         465443.41    3808481.91        1.88861                    465463.41
3808481.91        1.85240
         465483.41    3808481.91        1.81731                    465503.41
3808481.91        1.78134
         465523.41    3808481.91        1.74569                    465543.41
3808481.91        1.71369
         465563.41    3808481.91        1.68264                    465583.41
3808481.91        1.65250
         465603.41    3808481.91        1.62324                    465623.41
3808481.91        1.59734
         465643.41    3808481.91        1.57618                    465663.41
3808481.91        1.55182
         465683.41    3808481.91        1.52705                    465703.41
3808481.91        1.50316
         465463.41    3808501.91        1.87477                    465483.41
3808501.91        1.84088
         465503.41    3808501.91        1.80453                    465523.41
3808501.91        1.76461
         465543.41    3808501.91        1.73216                    465563.41
3808501.91        1.69974
         465583.41    3808501.91        1.66818                    465603.41
3808501.91        1.64010
         465623.41    3808501.91        1.61274                    465643.41
3808501.91        1.58986
         465663.41    3808501.91        1.56519                    465683.41
3808501.91        1.54009
         465703.41    3808501.91        1.51610                    465523.41
3808521.91        1.78698
         465543.41    3808521.91        1.75403                    465563.41
3808521.91        1.71635
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         465583.41    3808521.91        1.68331                        465603.41
3808521.91        1.65590
         465623.41    3808521.91        1.63142                        465643.41
3808521.91        1.60361
         465663.41    3808521.91        1.57850                        465683.41
3808521.91        1.55435
         465703.41    3808521.91        1.52870                        464239.31
3809562.31       26.26824
         464277.31    3809562.31       26.12660                        463745.31
3809591.37       19.51564
         463783.31    3809591.37       19.25562                        463821.31
3809591.37       18.85544
         463859.31    3809591.37       18.68786                        463897.31
3809591.37       18.91506
         463935.31    3809591.37       19.13731                        464239.31
3809591.37       17.86286
         464277.31    3809591.37       17.67011                        463745.31
3809620.43       15.44643
         463783.31    3809620.43       15.30266                        463821.31
3809620.43       15.17435
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 432
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         463859.31    3809620.43       15.02397                        463897.31
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3809620.43       15.05514
         463935.31    3809620.43       15.17223                       463973.31
3809620.43       15.12556
         464011.31    3809620.43       15.01018                       464049.31
3809620.43       14.81802
         464087.31    3809620.43       14.59754                       464125.31
3809620.43       14.45002
         464163.31    3809620.43       14.28231                       464201.31
3809620.43       14.07648
         464239.31    3809620.43       13.99825                       464277.31
3809620.43       13.85145
         463745.31    3809649.49       13.09910                       463783.31
3809649.49       13.08800
         463821.31    3809649.49       12.97559                       463859.31
3809649.49       12.87262
         463897.31    3809649.49       12.83950                       463935.31
3809649.49       12.87028
         463973.31    3809649.49       12.75024                       464011.31
3809649.49       12.66925
         464049.31    3809649.49       12.54967                       464087.31
3809649.49       12.35455
         464125.31    3809649.49       12.23504                       464163.31
3809649.49       12.07410
         464201.31    3809649.49       11.93306                       464239.31
3809649.49       11.82203
         464277.31    3809649.49       11.66204                       464315.31
3809649.49       11.50175
         464353.31    3809649.49       11.40264                       464391.31
3809649.49       11.30295
         464429.31    3809649.49       11.18005                       464467.31
3809649.49       11.09302
         464505.31    3809649.49       11.02032                       463745.31
3809678.55       11.49131
         463783.31    3809678.55       11.49882                       463821.31
3809678.55       11.50515
         463859.31    3809678.55       11.38736                       463897.31
3809678.55       11.34768
         463935.31    3809678.55       11.36049                       463973.31
3809678.55       11.25520
         464011.31    3809678.55       11.13764                       464049.31
3809678.55       11.05802
         464087.31    3809678.55       10.92549                       464125.31
3809678.55       10.78721
         464163.31    3809678.55       10.62963                       464201.31
3809678.55       10.52496
         464239.31    3809678.55       10.35770                       464277.31
3809678.55       10.21924
         464315.31    3809678.55       10.08576                       464353.31
3809678.55        9.99172
         464391.31    3809678.55        9.88329                       464429.31
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006011 , L0006012
, L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020
, L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028
, L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
463935.31	3809736.67	9.35682	463973.31	3809736.67	9.33219
464011.31	3809736.67	9.27557	464049.31	3809736.67	9.16737
464087.31	3809736.67	9.06558	464125.31	3809736.67	8.94031
464163.31	3809736.67	8.81703	464201.31	3809736.67	8.67526
464239.31	3809736.67	8.55017	464277.31	3809736.67	8.41662
464315.31	3809736.67	8.29232	464353.31	3809736.67	8.19469
464391.31	3809736.67	8.09364	464429.31	3809736.67	7.98298
464467.31	3809736.67	7.91076	464505.31	3809736.67	7.83381
463745.31	3809765.73	8.93354	463783.31	3809765.73	8.83372
463821.31	3809765.73	8.74732	463859.31	3809765.73	8.71084
463897.31	3809765.73	8.70364	463935.31	3809765.73	8.63077
463973.31	3809765.73	8.57696	464011.31	3809765.73	8.59974
464049.31	3809765.73	8.53597	464087.31	3809765.73	8.42382
464125.31	3809765.73	8.30893	464163.31	3809765.73	8.18625
464201.31	3809765.73	8.05378	464239.31	3809765.73	7.93163
464277.31	3809765.73	7.80468	464315.31	3809765.73	7.67816
464353.31	3809765.73	7.58890	464391.31	3809765.73	7.47334
464429.31	3809765.73	7.39376	464467.31	3809765.73	7.31479
464505.31	3809765.73	7.21991	463745.31	3809794.79	8.41401
463783.31	3809794.79	8.27448	463821.31	3809794.79	8.18322
463859.31	3809794.79	8.11096	463897.31	3809794.79	8.08921

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         463935.31    3809794.79        8.01753                      463973.31
3809794.79        7.95609
         464011.31    3809794.79        7.99058                      464049.31
3809794.79        7.99584
         464087.31    3809794.79        7.89250                      464125.31
3809794.79        7.77926
         464163.31    3809794.79        7.66024                      464201.31
3809794.79        7.54085
         464239.31    3809794.79        7.41178                      464277.31
3809794.79        7.29235
         464315.31    3809794.79        7.17883                      464353.31
3809794.79        7.07732
         464391.31    3809794.79        6.98926                      464429.31
3809794.79        6.90588
         464467.31    3809794.79        6.81404                      464505.31
3809794.79        6.74320
         463745.31    3809823.85        7.97699                      463783.31
3809823.85        7.80761
         463821.31    3809823.85        7.66557                      463859.31
3809823.85        7.60037
         463897.31    3809823.85        7.55029                      463935.31
3809823.85        7.47976
         463973.31    3809823.85        7.43508                      464011.31
3809823.85        7.43442
         464049.31    3809823.85        7.48645                      464087.31
3809823.85        7.43472
         464125.31    3809823.85        7.33787                      464163.31
3809823.85        7.22202
         464201.31    3809823.85        7.09696                      464239.31
3809823.85        6.98232
         464277.31    3809823.85        6.86789                      464315.31
3809823.85        6.76202
         464353.31    3809823.85        6.66612                      464391.31
3809823.85        6.57514
         464429.31    3809823.85        6.48378                      464467.31
3809823.85        6.39967
         464505.31    3809823.85        6.32692                      463745.31
3809852.91        7.62339
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 434
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE PERIOD ( 16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
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                 L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                 L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                 L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         463783.31    3809852.91        7.45077                       463821.31
3809852.91        7.26085
         463859.31    3809852.91        7.17499                       463897.31
3809852.91        7.08982
         463935.31    3809852.91        7.01920                       463973.31
3809852.91        6.98042
         464011.31    3809852.91        6.96120                       464049.31
3809852.91        7.00031
         464087.31    3809852.91        6.99836                       464125.31
3809852.91        6.92394
         464163.31    3809852.91        6.81858                       464201.31
3809852.91        6.71206
         464239.31    3809852.91        6.60850                       464277.31
3809852.91        6.50370
         464315.31    3809852.91        6.39754                       464353.31
3809852.91        6.30157
         464391.31    3809852.91        6.21266                       464429.31
3809852.91        6.13815
         464467.31    3809852.91        6.05436                       464505.31
3809852.91        5.97800
         463745.31    3809881.97        7.33001                       463783.31
3809881.97        7.13600
         463821.31    3809881.97        6.94666                       463859.31
3809881.97        6.82440
         463897.31    3809881.97        6.70933                       463935.31
3809881.97        6.61840
         463973.31    3809881.97        6.59191                       464011.31
3809881.97        6.56918
         464049.31    3809881.97        6.58227                       464087.31
3809881.97        6.57369
         464125.31    3809881.97        6.54028                       464163.31
3809881.97        6.45081
         464201.31    3809881.97        6.36550                       464239.31
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3809881.97        6.26719
         464277.31    3809881.97        6.17151                        464315.31
3809881.97        6.08532
         464353.31    3809881.97        5.99650                        464391.31
3809881.97        5.91451
         464429.31    3809881.97        5.83145                        464467.31
3809881.97        5.74855
         464505.31    3809881.97        5.68067                        463745.31
3809911.03        7.05171
         463783.31    3809911.03        6.84196                        463821.31
3809911.03        6.67492
         463859.31    3809911.03        6.53102                        463897.31
3809911.03        6.40627
         463935.31    3809911.03        6.29644                        463973.31
3809911.03        6.24967
         464011.31    3809911.03        6.22111                        464049.31
3809911.03        6.22829
         464087.31    3809911.03        6.21545                        464125.31
3809911.03        6.17993
         464163.31    3809911.03        6.11583                        464201.31
3809911.03        6.05171
         464239.31    3809911.03        5.96147                        464277.31
3809911.03        5.88687
         464315.31    3809911.03        5.80345                        464353.31
3809911.03        5.71934
         464391.31    3809911.03        5.63961                        464429.31
3809911.03        5.55850
         464467.31    3809911.03        5.48683                        464505.31
3809911.03        5.40926
         463745.31    3809940.09        6.79036                        463783.31
3809940.09        6.57917
         463821.31    3809940.09        6.42499                        463859.31
3809940.09        6.27285
         463897.31    3809940.09        6.15058                        463935.31
3809940.09        6.04011
         463973.31    3809940.09        5.97000                        464011.31
3809940.09        5.90542
         464049.31    3809940.09        5.89629                        464087.31
3809940.09        5.87891
         464125.31    3809940.09        5.85446                        464163.31
3809940.09        5.82907
         464201.31    3809940.09        5.78627                        464239.31
3809940.09        5.70831
         464277.31    3809940.09        5.62849                        464315.31
3809940.09        5.55355
         464353.31    3809940.09        5.47323                        464391.31
3809940.09        5.39554
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 , L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 , L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 , L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464429.31	3809940.09	5.32247	464467.31	3809940.09	5.24471
464505.31	3809940.09	5.17258	463745.31	3809969.15	6.62210
463783.31	3809969.15	6.36849	463821.31	3809969.15	6.19451
463859.31	3809969.15	6.04503	463897.31	3809969.15	5.91955
463935.31	3809969.15	5.81093	463973.31	3809969.15	5.73469
464011.31	3809969.15	5.64788	464049.31	3809969.15	5.59712
464087.31	3809969.15	5.57914	464125.31	3809969.15	5.57289
464163.31	3809969.15	5.55627	464201.31	3809969.15	5.53500
464239.31	3809969.15	5.48385	464277.31	3809969.15	5.40382
464315.31	3809969.15	5.32811	464353.31	3809969.15	5.26025
464391.31	3809969.15	5.18398	464429.31	3809969.15	5.10605
464467.31	3809969.15	5.02671	464505.31	3809969.15	4.96484

463745.31 3809998.21 6.54685 463783.31 3809998.21 6.22901
463821.31 3809998.21 6.01689 463859.31 3809998.21 5.85199
463897.31 3809998.21 5.72186 463935.31 3809998.21 5.60239
463973.31 3809998.21 5.51888 464011.31 3809998.21 5.43581
464049.31 3809998.21 5.37269 464087.31 3809998.21 5.33818
464125.31 3809998.21 5.33682 464163.31 3809998.21 5.32315
464201.31 3809998.21 5.30340 464239.31 3809998.21 5.26172
464277.31 3809998.21 5.20194 464315.31 3809998.21 5.12753
464353.31 3809998.21 5.05854 464391.31 3809998.21 4.98395
464429.31 3809998.21 4.90641 464467.31 3809998.21 4.84001
464505.31 3809998.21 4.77065 463745.31 3810027.27 6.48231
463783.31 3810027.27 6.13821 463821.31 3810027.27 5.88603
463859.31 3810027.27 5.69773 463897.31 3810027.27 5.55821
463935.31 3810027.27 5.42023 463973.31 3810027.27 5.33329
464011.31 3810027.27 5.24932 464049.31 3810027.27 5.18305
464087.31 3810027.27 5.12736 464125.31 3810027.27 5.10798
464163.31 3810027.27 5.10834 464201.31 3810027.27 5.09334
464239.31 3810027.27 5.05091 464277.31 3810027.27 5.00345
464315.31 3810027.27 4.94251 464353.31 3810027.27 4.87447
464391.31 3810027.27 4.80141 464429.31 3810027.27 4.73277
464467.31 3810027.27 4.66251 464505.31 3810027.27 4.59230
463745.31 3810056.33 6.42403 463783.31 3810056.33 6.06356
463821.31 3810056.33 5.76968 463859.31 3810056.33 5.56784
463897.31 3810056.33 5.40860 463935.31 3810056.33 5.26749
463973.31 3810056.33 5.17051 464011.31 3810056.33 5.07952

                              *** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         464277.31   3810056.33   4.81399   464315.31
3810056.33   4.76314
         464353.31   3810056.33   4.70841   464391.31
3810056.33   4.64218
         464429.31   3810056.33   4.57078   464467.31
3810056.33   4.49663
         464505.31   3810056.33   4.43088   463745.31
3810085.39   6.36542
         463783.31   3810085.39   5.99684   463821.31
3810085.39   5.67925
         463859.31   3810085.39   5.45177   463897.31
3810085.39   5.27823
         463935.31   3810085.39   5.13614   463973.31
3810085.39   5.02534
         464011.31   3810085.39   4.92041   464049.31

3810085.39 4.82261
464087.31 3810085.39 4.76607 464125.31
3810085.39 4.72186
464163.31 3810085.39 4.70147 464201.31
3810085.39 4.68674
464239.31 3810085.39 4.67067 464277.31
3810085.39 4.63603
464315.31 3810085.39 4.59385 464353.31
3810085.39 4.54117
464391.31 3810085.39 4.48186 464429.31
3810085.39 4.41298
464467.31 3810085.39 4.34267 464505.31
3810085.39 4.27596
463745.31 3810114.45 6.24982 463783.31
3810114.45 5.95023
463821.31 3810114.45 5.61610 463859.31
3810114.45 5.38277
463897.31 3810114.45 5.17742 463935.31
3810114.45 5.02094
463973.31 3810114.45 4.89069 464011.31
3810114.45 4.77999
464049.31 3810114.45 4.67439 464087.31
3810114.45 4.60673
464125.31 3810114.45 4.54919 464163.31
3810114.45 4.51368
464201.31 3810114.45 4.49361 464239.31
3810114.45 4.49363
464277.31 3810114.45 4.46957 464315.31
3810114.45 4.41988
464353.31 3810114.45 4.36614 464391.31
3810114.45 4.30831
464429.31 3810114.45 4.25582 464467.31
3810114.45 4.18517
464505.31 3810114.45 4.12890 463745.31
3810143.51 6.10767
463783.31 3810143.51 5.85385 463821.31
3810143.51 5.59304
463859.31 3810143.51 5.33862 463897.31
3810143.51 5.08471
463935.31 3810143.51 4.90269 463973.31
3810143.51 4.75170
464011.31 3810143.51 4.65159 464049.31
3810143.51 4.54218
464087.31 3810143.51 4.45271 464125.31
3810143.51 4.39241
464163.31 3810143.51 4.35269 464201.31
3810143.51 4.32436
464239.31 3810143.51 4.31161 464277.31
3810143.51 4.30865
464315.31 3810143.51 4.26270 464353.31

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE PERIOD (16656 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465716.18	3808536.49	1.52355	465544.37	3808533.85	1.76290
465420.13	3808486.27	1.93897	465348.77	3808491.56	2.09847
465317.05	3808443.98	2.10112	465327.62	3808406.97	2.02645

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         465108.23    3808369.97        2.49097                        464999.86
3808301.24        2.67659
         464722.31    3807973.48        2.74834                        464717.03
3807836.03        2.43567
         464344.33    3807936.47        3.79224                        464349.61
3807780.52        3.66451
         464386.62    3807785.81        3.51153                        464521.43
3807859.82        3.18502
         464537.28    3807719.72        2.29321                        464426.27
3807613.99        2.13049
         464368.43    3807532.62        2.01829                        464324.60
3807121.91        1.22415
         464123.31    3807123.54        1.54314                        463930.13
3806909.26        1.37141
         463831.11    3806906.01        1.54957                        463821.36
3806720.95        1.19270
         463727.21    3806727.44        1.34908                        463598.97
3806334.59        0.82809
         463001.06    3806361.54        1.47428

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                   PAGE 438
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                   INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        462160.55   3809377.75        5.56966  (09022407)               462051.48
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3809270.62        5.13377  (09022407)
        462014.47   3809029.10        7.22511  (10042219)                462010.58
3808855.75        5.83784  (10042219)
        461936.56   3808886.92        5.77234  (10042219)                461936.56
3808997.94        7.06395  (10042219)
        461909.30   3808768.10        3.42583  (10042219)                461835.28
3808894.71        5.13601  (10042219)
        461845.02   3808995.99        6.47697  (10042219)                461833.33
3809114.80        6.68469  (10042219)
        461843.07   3809210.24        4.66335  (09022407)                461809.96
3809297.89        3.99489  (09022407)
        461856.71   3809385.54        4.52215  (09022407)                461841.13
3809482.92        4.51036  (09022407)
        462004.74   3809379.69        5.08723  (09022407)                461763.22
3808793.43        3.00791  (10042219)
        461753.48   3808699.93        4.10343  (09021520)                461835.28
3808686.30        4.44553  (09021520)
        461823.60   3808579.17        6.86474  (09021520)                461761.27
3808585.02        6.46113  (09021520)
        462301.19   3807807.15       14.71735  (10021207)                462304.78
3807868.16        9.31314  (10021207)
        462216.84   3807882.52        9.10666  (09020119)                462116.34
3807886.11        9.65004  (09020119)
        462114.55   3807789.20        7.17345  (10021207)                462012.25
3807887.90        9.90824  (09020119)
        462008.66   3807975.84       11.52806  (09020119)                461917.14
3807972.25       10.99523  (09020119)
        461922.52   3808187.60       18.07836  (10021620)                461908.17
3808288.10       20.30295  (10021620)
        461848.94   3808377.83       15.20986  (10021620)                461831.00
3808494.48        9.20334  (09021520)
        462421.43   3808393.98       23.56368  (10021620)                462459.11
3808501.66       13.86483  (09021520)
        462437.58   3808580.62       10.30002  (09021520)                462654.73
3809189.00        8.13886  (09022407)
        462559.49   3809194.32        7.84873  (09022407)                465763.86
3807935.19        3.22773  (09010519)
        465819.84   3807935.19        3.15718  (09010519)                465875.82
3807935.19        3.08597  (09010519)
        465931.80   3807935.19        3.01585  (09010519)                465987.78
3807935.19        2.94599  (09010519)
        466043.76   3807935.19        2.87698  (09010519)                466099.74
3807935.19        2.80901  (09010519)
        466155.72   3807935.19        2.74222  (09010519)                466211.70
3807935.19        2.67666  (09010519)
        466267.68   3807935.19        2.61268  (09010519)                466323.66
3807935.19        2.54831  (09010519)
        466379.64   3807935.19        2.48769  (09010519)                466435.62
3807935.19        2.42856  (09010519)
        466491.60   3807935.19        2.37100  (09010519)                466547.58
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3807935.19        2.31026  (09010519)
        466603.56   3807935.19        2.25497  (09010519)                466659.54
3807935.19        2.20127  (09010519)
        466715.52   3807935.19        2.14926  (09010519)                466771.50
3807935.19        2.09821  (09010519)
        466827.48   3807935.19        2.04683  (09010519)                466883.46
3807935.19        1.99858  (09010519)
        465763.86   3808001.41        3.56559  (09010519)                465819.84
3808001.41        3.46713  (09010519)
        465875.82   3808001.41        3.37019  (09010519)                465931.80
3808001.41        3.27574  (09010519)
        465987.78   3808001.41        3.18675  (09010519)                466043.76
3808001.41        3.09478  (09010519)
        466099.74   3808001.41        3.01319  (09010519)                466155.72
3808001.41        2.92976  (09010519)
        466211.70   3808001.41        2.84952  (09010519)                466267.68
3808001.41        2.77122  (09010519)
        466323.66   3808001.41        2.69500  (09010519)                466379.64
3808001.41        2.62141  (09010519)
        466435.62   3808001.41        2.55032  (09010519)                466491.60
3808001.41        2.48166  (09010519)
        466547.58   3808001.41        2.41390  (09010519)                466603.56
3808001.41        2.35057  (09010519)
        466659.54   3808001.41        2.28955  (09010519)                466715.52
3808001.41        2.22544  (09010519)
        466771.50   3808001.41        2.16862  (09010519)                466827.48
3808001.41        2.11322  (09010519)
        466883.46   3808001.41        2.05777  (09010519)                465763.86
3808067.63        3.85834  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 439
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                  INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465819.84	3808067.63	3.73083	(09010519)	465875.82	3808067.63	3.60953	(09010519)
465931.80	3808067.63	3.49300	(09010519)	465987.78	3808067.63	3.38129	(09010519)
466043.76	3808067.63	3.27416	(09010519)	466099.74	3808067.63	3.17143	(09010519)
466155.72	3808067.63	3.07319	(09010519)	466211.70	3808067.63	2.97842	(09010519)
466267.68	3808067.63	2.88772	(09010519)	466323.66	3808067.63	2.79990	(09010519)
466379.64	3808067.63	2.71570	(09010519)	466435.62	3808067.63	2.63826	(09010519)
466491.60	3808067.63	2.55748	(09010519)	466547.58	3808067.63	2.48309	(09010519)
466603.56	3808067.63	2.41177	(09010519)	466659.54	3808067.63	2.34344	(09010519)
466715.52	3808067.63	2.27852	(09010519)	466771.50	3808067.63	2.21608	(09010519)
466827.48	3808067.63	2.15377	(09010519)	466883.46	3808067.63	2.09277	(09010519)
465763.86	3808133.85	4.08241	(09010519)	465819.84	3808133.85	3.92953	(09010519)
465875.82	3808133.85	3.78523	(09010519)	465931.80	3808133.85	3.64824	(09010519)
465987.78	3808133.85	3.52369	(09010519)	466043.76	3808133.85	3.39924	(09010519)
466099.74	3808133.85	3.28105	(09010519)	466155.72	3808133.85	3.16857	(09010519)
466211.70	3808133.85	3.06154	(09010519)	466267.68	3808133.85	2.96000	(09010519)
466323.66	3808133.85	2.86353	(09010519)	466379.64	3808133.85	2.77229	(09010519)
466435.62	3808133.85	2.68480	(09010519)	466491.60	3808133.85	2.60138	(09010519)
466547.58	3808133.85	2.52029	(09010519)	466603.56	3808133.85	2.44395	(09010519)
466659.54	3808133.85	2.37098	(09010519)	466715.52	3808133.85	2.30072	(09010519)
466771.50	3808133.85	2.23013	(09010519)	466827.48	3808133.85	2.16649	(09010519)
466883.46	3808133.85	2.10608	(10032206)	465763.86	3808200.07	4.22073	(09010519)

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        465819.84   3808200.07        4.04771  (09010519)               465875.82
3808200.07        3.88512  (09010519)
        465931.80   3808200.07        3.73785  (09010519)               465987.78
3808200.07        3.59329  (09010519)
        466043.76   3808200.07        3.45701  (09010519)               466099.74
3808200.07        3.32823  (09010519)
        466155.72   3808200.07        3.20651  (09010519)               466211.70
3808200.07        3.09136  (09010519)
        466267.68   3808200.07        2.99422  (10032206)               466323.66
3808200.07        2.90696  (10032206)
        466379.64   3808200.07        2.81941  (10032206)               466435.62
3808200.07        2.73576  (10032206)
        466491.60   3808200.07        2.65589  (10032206)               466547.58
3808200.07        2.57956  (10032206)
        466603.56   3808200.07        2.50658  (10032206)               466659.54
3808200.07        2.43675  (10032206)
        466715.52   3808200.07        2.37003  (10032206)               466771.50
3808200.07        2.30506  (10032206)
        466827.48   3808200.07        2.24158  (10032206)               466883.46
3808200.07        2.18279  (10032206)
        465763.86   3808266.29        4.32215  (10032206)               465819.84
3808266.29        4.15945  (10032206)
        465875.82   3808266.29        4.00330  (10032206)               465931.80
3808266.29        3.85242  (10032206)
        465987.78   3808266.29        3.71032  (10032206)               466043.76
3808266.29        3.57632  (10032206)
        466099.74   3808266.29        3.44982  (10032206)               466155.72
3808266.29        3.33025  (10032206)
        466211.70   3808266.29        3.21751  (10032206)               466267.68
3808266.29        3.11305  (10032206)
        466323.66   3808266.29        3.01134  (10032206)               466379.64
3808266.29        2.91861  (10032206)
        466435.62   3808266.29        2.82734  (10032206)               466491.60
3808266.29        2.73797  (10032206)
        466547.58   3808266.29        2.65419  (10032206)               466603.56
3808266.29        2.57440  (10032206)
        466659.54   3808266.29        2.50081  (10032206)               466715.52
3808266.29        2.42676  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                   PAGE 440
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                   INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
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                L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        466771.50   3808266.29        2.35840  (10032206)               466827.48
3808266.29        2.29122  (10032206)
        466883.46   3808266.29        2.22815  (10032206)               465763.86
3808332.51        4.47762  (10032206)
        465819.84   3808332.51        4.30190  (10032206)               465875.82
3808332.51        4.12575  (10032206)
        465931.80   3808332.51        3.96098  (10032206)               465987.78
3808332.51        3.80660  (10032206)
        466043.76   3808332.51        3.66161  (10032206)               466099.74
3808332.51        3.52546  (10032206)
        466155.72   3808332.51        3.39913  (10032206)               466211.70
3808332.51        3.27828  (10032206)
        466267.68   3808332.51        3.16375  (10032206)               466323.66
3808332.51        3.06247  (10032206)
        466379.64   3808332.51        2.95958  (10032206)               466435.62
3808332.51        2.86197  (10032206)
        466491.60   3808332.51        2.76943  (10032206)               466547.58
3808332.51        2.68153  (10032206)
        466603.56   3808332.51        2.60406  (10032206)               466659.54
3808332.51        2.52526  (10032206)
        466715.52   3808332.51        2.44940  (10032206)               466771.50
3808332.51        2.37274  (10032206)
        466827.48   3808332.51        2.30471  (10032206)               466883.46
3808332.51        2.23952  (10032206)
        465763.86   3808398.73        4.50336  (10032206)               465819.84
3808398.73        4.31897  (10032206)
        465875.82   3808398.73        4.13605  (10032206)               465931.80
3808398.73        3.96629  (10032206)
        465987.78   3808398.73        3.80694  (10032206)               466043.76
3808398.73        3.65769  (10032206)
        466099.74   3808398.73        3.52191  (10032206)               466155.72
3808398.73        3.38918  (10032206)
        466211.70   3808398.73        3.26451  (10032206)               466267.68
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3808398.73        3.15610  (10032206)
        466323.66   3808398.73        3.04499  (10032206)                466379.64
3808398.73        2.94064  (10032206)
        466435.62   3808398.73        2.84514  (10032206)                466491.60
3808398.73        2.75214  (10032206)
        466547.58   3808398.73        2.66393  (10032206)                466603.56
3808398.73        2.58086  (10032206)
        466659.54   3808398.73        2.50134  (10032206)                466715.52
3808398.73        2.42437  (10032206)
        466771.50   3808398.73        2.35212  (10032206)                466827.48
3808398.73        2.28250  (10032206)
        466883.46   3808398.73        2.21653  (10032206)                465763.86
3808464.95        4.39639  (10032206)
        465819.84   3808464.95        4.21203  (10032206)                465875.82
3808464.95        4.03097  (10032206)
        465931.80   3808464.95        3.86490  (10032206)                465987.78
3808464.95        3.71075  (10032206)
        466043.76   3808464.95        3.56990  (10032206)                466099.74
3808464.95        3.43165  (10032206)
        466155.72   3808464.95        3.30196  (10032206)                466211.70
3808464.95        3.18033  (10032206)
        466267.68   3808464.95        3.07254  (10032206)                466323.66
3808464.95        2.96422  (10032206)
        466379.64   3808464.95        2.86591  (10032206)                466435.62
3808464.95        2.76970  (10032206)
        466491.60   3808464.95        2.68242  (10032206)                466547.58
3808464.95        2.59549  (10032206)
        466603.56   3808464.95        2.51313  (10032206)                466659.54
3808464.95        2.43503  (10032206)
        466715.52   3808464.95        2.36110  (10032206)                466771.50
3808464.95        2.29083  (10032206)
        466827.48   3808464.95        2.22384  (10032206)                466883.46
3808464.95        2.16006  (10032206)
        465763.86   3808531.17        4.17113  (10032206)                465819.84
3808531.17        3.99050  (10032206)
        465875.82   3808531.17        3.82243  (10032206)                465931.80
3808531.17        3.66559  (10032206)
        465987.78   3808531.17        3.52541  (10032206)                466043.76
3808531.17        3.39083  (10032206)
        466099.74   3808531.17        3.26502  (10032206)                466155.72
3808531.17        3.14381  (10032206)
        466211.70   3808531.17        3.03023  (10032206)                466267.68
3808531.17        2.92753  (10032206)
        466323.66   3808531.17        2.82977  (10032206)                466379.64
3808531.17        2.73478  (10032206)
        466435.62   3808531.17        2.64830  (10032206)                466491.60
3808531.17        2.56218  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466547.58	3808531.17	2.48063	(10032206)	466603.56	3808531.17	2.40325	(10032206)
466659.54	3808531.17	2.32966	(10032206)	466715.52	3808531.17	2.26024	(10032206)
466771.50	3808531.17	2.19321	(10032206)	466827.48	3808531.17	2.13111	(10032206)
466883.46	3808531.17	2.07104	(10032206)	465763.86	3808597.39	4.54372	(09031319)
465819.84	3808597.39	4.32933	(09031319)	465875.82	3808597.39	4.11871	(09031319)
465931.80	3808597.39	3.91561	(09031319)	465987.78	3808597.39	3.74093	(09031319)
466043.76	3808597.39	3.57965	(09031319)	466099.74	3808597.39	3.42186	(09031319)
466155.72	3808597.39	3.27572	(09031319)	466211.70	3808597.39	3.13927	(09031319)
466267.68	3808597.39	3.00894	(09031319)	466323.66	3808597.39	2.89229	(09031319)
466379.64	3808597.39	2.78113	(09031319)	466435.62	3808597.39	2.67254	(09031319)
466491.60	3808597.39	2.57238	(09031319)	466547.58	3808597.39	2.47654	(09031319)
466603.56	3808597.39	2.38458	(09031319)	466659.54	3808597.39	2.29758	(09031319)

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        466715.52   3808597.39        2.21560  (09031319)              466771.50
3808597.39        2.13782  (09031319)
        466827.48   3808597.39        2.06401  (09031319)              466883.46
3808597.39        1.99590  (09031319)
        465763.86   3808663.61        4.82807  (09031319)              465819.84
3808663.61        4.61468  (09031319)
        465875.82   3808663.61        4.40212  (09031319)              465931.80
3808663.61        4.20366  (09031319)
        465987.78   3808663.61        4.01856  (09031319)              466043.76
3808663.61        3.84441  (09031319)
        466099.74   3808663.61        3.68483  (09031319)              466155.72
3808663.61        3.53046  (09031319)
        466211.70   3808663.61        3.38463  (09031319)              466267.68
3808663.61        3.24806  (09031319)
        466323.66   3808663.61        3.12785  (09031319)              466379.64
3808663.61        3.00605  (09031319)
        466435.62   3808663.61        2.89905  (09031319)              466491.60
3808663.61        2.78979  (09031319)
        466547.58   3808663.61        2.68607  (09031319)              466603.56
3808663.61        2.58795  (09031319)
        466659.54   3808663.61        2.49494  (09031319)              466715.52
3808663.61        2.40747  (09031319)
        466771.50   3808663.61        2.32440  (09031319)              466827.48
3808663.61        2.24918  (09031319)
        466883.46   3808663.61        2.17344  (09031319)              465763.86
3808729.83        4.92235  (09031319)
        465819.84   3808729.83        4.72824  (09031319)              465875.82
3808729.83        4.52796  (09031319)
        465931.80   3808729.83        4.33532  (09031319)              465987.78
3808729.83        4.15449  (09031319)
        466043.76   3808729.83        3.98504  (09031319)              466099.74
3808729.83        3.82516  (09031319)
        466155.72   3808729.83        3.67432  (09031319)              466211.70
3808729.83        3.53103  (09031319)
        466267.68   3808729.83        3.39637  (09031319)              466323.66
3808729.83        3.27748  (09031319)
        466379.64   3808729.83        3.15968  (09031319)              466435.62
3808729.83        3.04493  (09031319)
        466491.60   3808729.83        2.93995  (09031319)              466547.58
3808729.83        2.83532  (09031319)
        466603.56   3808729.83        2.73595  (09031319)              466659.54
3808729.83        2.64862  (09031319)
        466715.52   3808729.83        2.55828  (09031319)              466771.50
3808729.83        2.47286  (09031319)
        466827.48   3808729.83        2.39335  (09031319)              466883.46
3808729.83        2.31573  (09031319)
        465763.86   3808796.05        5.11561  (09010419)              465819.84
3808796.05        4.87503  (09010419)
        465875.82   3808796.05        4.60406  (09010419)              465931.80
3808796.05        4.36157  (09010419)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                  INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                 L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                 L0005949   , L0005950   , L0005951   , L0005952   , L0005953 , L0005954   , L0005955   , L0005956   ,
                 L0005957   , L0005958   , L0005959   , L0005960   , L0005961 , L0005962   , L0005963   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        466323.66   3808796.05   3.33126 (09031319)   466379.64   3808796.05   3.21924 (09031319)
        466435.62   3808796.05   3.11602 (09031319)   466491.60   3808796.05   3.01156 (09031319)
        466547.58   3808796.05   2.91258 (09031319)   466603.56   3808796.05   2.82215 (09031319)
        466659.54   3808796.05   2.73108 (09031319)   466715.52   3808796.05   2.64587 (09031319)
        466771.50   3808796.05   2.56319 (09031319)   466827.48   3808796.05   2.48322 (09031319)
        466883.46   3808796.05   2.41018 (09031319)   465763.86   3808862.27   5.29302 (09010419)
        465819.84   3808862.27   5.07193 (09010419)   465875.82   3808862.27   4.85235 (09010419)
        465931.80   3808862.27   4.62514 (09010419)   465987.78

3808862.27 4.40805 (09010419)
466043.76 3808862.27 4.20155 (09010419) 466099.74
3808862.27 4.01070 (09010419)
466155.72 3808862.27 3.81935 (09010419) 466211.70
3808862.27 3.64298 (09010419)
466267.68 3808862.27 3.48176 (09010419) 466323.66
3808862.27 3.32326 (09010419)
466379.64 3808862.27 3.18618 (09031319) 466435.62
3808862.27 3.09182 (09031319)
466491.60 3808862.27 3.00095 (09031319) 466547.58
3808862.27 2.91383 (09031319)
466603.56 3808862.27 2.82726 (09031319) 466659.54
3808862.27 2.74847 (09031319)
466715.52 3808862.27 2.66792 (09031319) 466771.50
3808862.27 2.59147 (09031319)
466827.48 3808862.27 2.51926 (09031319) 466883.46
3808862.27 2.44899 (09031319)
465763.86 3808928.49 5.19459 (09010419) 465819.84
3808928.49 5.02202 (09010419)
465875.82 3808928.49 4.85781 (09010419) 465931.80
3808928.49 4.68494 (09010419)
465987.78 3808928.49 4.51089 (09010419) 466043.76
3808928.49 4.34218 (09010419)
466099.74 3808928.49 4.15954 (09010419) 466155.72
3808928.49 3.99052 (09010419)
466211.70 3808928.49 3.82809 (09010419) 466267.68
3808928.49 3.67093 (09010419)
466323.66 3808928.49 3.51964 (09010419) 466379.64
3808928.49 3.37478 (09010419)
466435.62 3808928.49 3.24142 (09010419) 466491.60
3808928.49 3.11214 (09010419)
466547.58 3808928.49 2.98632 (09010419) 466603.56
3808928.49 2.87101 (09010419)
466659.54 3808928.49 2.75484 (09010419) 466715.52
3808928.49 2.64618 (09010419)
466771.50 3808928.49 2.55763 (09031319) 466827.48
3808928.49 2.49516 (09031319)
466883.46 3808928.49 2.43131 (09031319) 465763.86
3808994.71 5.14346 (09120320)
465819.84 3808994.71 4.92686 (09120320) 465875.82
3808994.71 4.73080 (09120320)
465931.80 3808994.71 4.55549 (09010419) 465987.78
3808994.71 4.44188 (09010419)
466043.76 3808994.71 4.30245 (09010419) 466099.74
3808994.71 4.15764 (09010419)
466155.72 3808994.71 4.01175 (09010419) 466211.70
3808994.71 3.87453 (09010419)
466267.68 3808994.71 3.73920 (09010419) 466323.66
3808994.71 3.60725 (09010419)
466379.64 3808994.71 3.47866 (09010419) 466435.62

3808994.71   3.35385 (09010419)
        466491.60   3808994.71   3.23689 (09010419)   466547.58
3808994.71   3.12601 (09010419)
        466603.56   3808994.71   3.01344 (09010419)   466659.54
3808994.71   2.90287 (09010419)
        466715.52   3808994.71   2.80420 (09010419)   466771.50
3808994.71   2.70060 (09010419)
        466827.48   3808994.71   2.60106 (09010419)   466883.46
3808994.71   2.50946 (09010419)
        465763.86   3809060.93   5.01073 (09120320)   465819.84
3809060.93   4.85229 (09120320)
        465875.82   3809060.93   4.70309 (09120320)   465931.80
3809060.93   4.55350 (09120320)
        465987.78   3809060.93   4.40189 (09120320)   466043.76
3809060.93   4.24852 (09120320)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                  INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                 L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                 L0005949   , L0005950   , L0005951   , L0005952   , L0005953 , L0005954   , L0005955   , L0005956   ,
                 L0005957   , L0005958   , L0005959   , L0005960   , L0005961 , L0005962   , L0005963   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        466435.62   3809060.93        3.37010  (09010419)              466491.60
3809060.93        3.27117  (09010419)
        466547.58   3809060.93        3.16927  (09010419)              466603.56
3809060.93        3.07203  (09010419)
        466659.54   3809060.93        2.98113  (09010419)              466715.52
3809060.93        2.88435  (09010419)
        466771.50   3809060.93        2.79091  (09010419)              466827.48
3809060.93        2.70182  (09010419)
        466883.46   3809060.93        2.61623  (09010419)              465763.86
3809127.15        4.81150  (10021420)
        465819.84   3809127.15        4.60834  (09120320)              465875.82
3809127.15        4.51354  (09120320)
        465931.80   3809127.15        4.40527  (09120320)              465987.78
3809127.15        4.29159  (09120320)
        466043.76   3809127.15        4.15674  (09120320)              466099.74
3809127.15        4.02100  (09120320)
        466155.72   3809127.15        3.89205  (09120320)              466211.70
3809127.15        3.78144  (09120320)
        466267.68   3809127.15        3.66003  (09120320)              466323.66
3809127.15        3.53482  (09120320)
        466379.64   3809127.15        3.40680  (09120320)              466435.62
3809127.15        3.28439  (09120320)
        466491.60   3809127.15        3.20387  (09010419)              466547.58
3809127.15        3.12607  (09010419)
        466603.56   3809127.15        3.04958  (09010419)              466659.54
3809127.15        2.96825  (09010419)
        466715.52   3809127.15        2.89004  (09010419)              466771.50
3809127.15        2.81167  (09010419)
        466827.48   3809127.15        2.73285  (09010419)              466883.46
3809127.15        2.65900  (09010419)
        465763.86   3809193.37        5.01700  (10021420)              465819.84
3809193.37        4.77567  (10021420)
        465875.82   3809193.37        4.52303  (10021420)              465931.80
3809193.37        4.26899  (10021420)
        465987.78   3809193.37        4.02548  (09120320)              466043.76
3809193.37        3.91615  (09120320)
        466099.74   3809193.37        3.84255  (09120320)              466155.72
3809193.37        3.75567  (09120320)
        466211.70   3809193.37        3.67589  (09120320)              466267.68
3809193.37        3.59166  (09120320)
        466323.66   3809193.37        3.49972  (09120320)              466379.64
3809193.37        3.40401  (09120320)
        466435.62   3809193.37        3.30180  (09120320)              466491.60
3809193.37        3.20179  (09120320)
        466547.58   3809193.37        3.10211  (09120320)              466603.56
3809193.37        3.00592  (09120320)
        466659.54   3809193.37        2.90529  (09120320)              466715.52
3809193.37        2.82338  (09010419)
        466771.50   3809193.37        2.76035  (09010419)              466827.48
3809193.37        2.69961  (09010419)
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        466883.46   3809193.37        2.63695  (09010419)                465763.86
3809259.59        5.01157  (10021420)
        465819.84   3809259.59        4.82992  (10021420)                465875.82
3809259.59        4.62776  (10021420)
        465931.80   3809259.59        4.42000  (10021420)                465987.78
3809259.59        4.19101  (10021420)
        466043.76   3809259.59        3.96426  (10021420)                466099.74
3809259.59        3.74793  (10021420)
        466155.72   3809259.59        3.55780  (10021420)                466211.70
3809259.59        3.47857  (09120320)
        466267.68   3809259.59        3.42907  (09120320)                466323.66
3809259.59        3.36213  (09120320)
        466379.64   3809259.59        3.29536  (09120320)                466435.62
3809259.59        3.22556  (09120320)
        466491.60   3809259.59        3.14854  (09120320)                466547.58
3809259.59        3.07503  (09120320)
        466603.56   3809259.59        2.99488  (09120320)                466659.54
3809259.59        2.91402  (09120320)
        466715.52   3809259.59        2.83761  (09120320)                466771.50
3809259.59        2.75436  (09120320)
        466827.48   3809259.59        2.67396  (09120320)                466883.46
3809259.59        2.59315  (09120320)
        464503.41   3807141.91       24.02439  (10112518)                464523.41
3807141.91       24.64824  (10112518)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 444
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                  INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)        CONC     (YYMMDDHH)
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3807181.91   23.92091 (10112518)
        464623.41   3807181.91   22.59465 (10112518)   464643.41
3807181.91   22.46716 (09011918)
        464663.41   3807181.91   23.07906 (09011918)   464683.41
3807181.91   23.31179 (09011918)
        464703.41   3807181.91   23.61229 (09011918)   464723.41
3807181.91   23.48380 (09011918)
        464743.41   3807181.91   23.02418 (09011918)   464763.41
3807181.91   22.34661 (09011918)
        464783.41   3807181.91   21.63010 (09011918)   464803.41
3807181.91   20.76277 (09011918)
        464823.41   3807181.91   19.56907 (09011918)   464843.41
3807181.91   18.41935 (09011918)
        464863.41   3807181.91   17.22508 (09011918)   464883.41
3807181.91   15.86823 (09011918)
        464903.41   3807181.91   14.51581 (09011918)   464923.41
3807181.91   13.20175 (09011918)
        464503.41   3807201.91   26.18971 (10112518)   464523.41
3807201.91   26.57537 (10112518)
        464543.41   3807201.91   26.37176 (10112518)   464563.41
3807201.91   25.72492 (10112518)
        464583.41   3807201.91   24.96987 (10112518)   464603.41
3807201.91   23.79085 (10112518)
        464623.41   3807201.91   22.45536 (09011918)   464643.41
3807201.91   23.36957 (09011918)
        464663.41   3807201.91   23.84769 (09011918)   464683.41
3807201.91   23.97269 (09011918)
        464703.41   3807201.91   24.02602 (09011918)   464723.41
3807201.91   23.60244 (09011918)
        464743.41   3807201.91   22.89937 (09011918)   464763.41
3807201.91   22.31395 (09011918)
        464783.41   3807201.91   21.46379 (09011918)   464803.41
3807201.91   20.37946 (09011918)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                L0005949   , L0005950   , L0005951   , L0005952   , L0005953 , L0005954   , L0005955   , L0005956   ,
                L0005957   , L0005958   , L0005959   , L0005960   , L0005961

, L0005962   , L0005963   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464823.41	3807201.91	18.98220	(09011918)	464843.41	3807201.91	17.68596	(09011918)
464863.41	3807201.91	16.43147	(09011918)	464883.41	3807201.91	15.18949	(09011918)
464903.41	3807201.91	13.82144	(09011918)	464923.41	3807201.91	12.48455	(09011918)
464503.41	3807221.91	26.91366	(10112518)	464523.41	3807221.91	27.12434	(10112518)
464543.41	3807221.91	26.73353	(10112518)	464563.41	3807221.91	25.86271	(10112518)
464583.41	3807221.91	24.70452	(10112518)	464603.41	3807221.91	23.45891	(10112518)
464623.41	3807221.91	23.47199	(09011918)	464643.41	3807221.91	23.99074	(09011918)
464663.41	3807221.91	24.37528	(09011918)	464683.41	3807221.91	24.51602	(09011918)
464703.41	3807221.91	24.05888	(09011918)	464723.41	3807221.91	23.57840	(09011918)
464743.41	3807221.91	23.00137	(09011918)	464763.41	3807221.91	22.26016	(09011918)
464783.41	3807221.91	21.06620	(09011918)	464803.41	3807221.91	19.69088	(09011918)
464823.41	3807221.91	18.49117	(09011918)	464843.41	3807221.91	17.05016	(09011918)
464863.41	3807221.91	15.59067	(09011918)	464883.41	3807221.91	14.35926	(09011918)
464903.41	3807221.91	13.10089	(09011918)	464923.41	3807221.91	11.84990	(09011918)
464503.41	3807241.91	27.54991	(10112518)	464523.41	3807241.91	27.40706	(10112518)
464543.41	3807241.91	26.86939	(10112518)	464563.41	3807241.91	25.94984	(10112518)
464583.41	3807241.91	24.57810	(10112518)	464603.41	3807241.91	23.54233	(09011918)
464623.41	3807241.91	24.48053	(09011918)	464643.41	3807241.91	24.77784	(09011918)
464663.41	3807241.91	24.84082	(09011918)	464683.41	3807241.91	24.66774	(09011918)

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        464703.41   3807241.91       24.21949  (09011918)                464723.41
3807241.91       23.68969  (09011918)
        464743.41   3807241.91       22.95914  (09011918)                464763.41
3807241.91       21.81933  (09011918)
        464783.41   3807241.91       20.55493  (09011918)                464803.41
3807241.91       19.20169  (09011918)
        464823.41   3807241.91       17.77686  (09011918)                464843.41
3807241.91       16.34852  (09011918)
        464863.41   3807241.91       14.96630  (09011918)                464883.41
3807241.91       13.70321  (09011918)
        464903.41   3807241.91       12.39242  (09011918)                464923.41
3807241.91       11.13108  (09011918)
        464503.41   3807261.91       28.11881  (10112518)                464523.41
3807261.91       27.61319  (10112518)
        464543.41   3807261.91       26.92940  (10112518)                464563.41
3807261.91       25.94899  (10112518)
        464583.41   3807261.91       24.41370  (10112518)                464603.41
3807261.91       24.60025  (09011918)
        464623.41   3807261.91       25.33811  (09011918)                464643.41
3807261.91       25.53073  (09011918)
        464663.41   3807261.91       25.27846  (09011918)                464683.41
3807261.91       24.74213  (09011918)
        464703.41   3807261.91       24.37586  (09011918)                464723.41
3807261.91       23.68439  (09011918)
        464743.41   3807261.91       22.69115  (09011918)                464763.41
3807261.91       21.29138  (09011918)
        464783.41   3807261.91       19.97061  (09011918)                464803.41
3807261.91       18.61577  (09011918)
        464823.41   3807261.91       17.03733  (09011918)                464843.41
3807261.91       15.61621  (09011918)
        464863.41   3807261.91       14.28444  (09011918)                464883.41
3807261.91       13.00607  (09011918)
        464903.41   3807261.91       11.66229  (09011918)                464923.41
3807261.91       10.40558  (09011918)
        464503.41   3807281.91       28.62988  (10112518)                464523.41
3807281.91       27.91669  (10112518)
        464543.41   3807281.91       27.02787  (10112518)                464563.41
3807281.91       25.85021  (10112518)
        464583.41   3807281.91       24.79822  (09011918)                464603.41
3807281.91       25.48564  (09011918)
        464623.41   3807281.91       25.84350  (09011918)                464643.41
3807281.91       26.12158  (09011918)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 446
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***

INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464663.41	3807281.91	25.78057	(09011918)	464683.41	3807281.91	25.05645	(09011918)
464703.41	3807281.91	24.50877	(09011918)	464723.41	3807281.91	23.41152	(09011918)
464743.41	3807281.91	22.05652	(09011918)	464763.41	3807281.91	20.86896	(09011918)
464783.41	3807281.91	19.35314	(09011918)	464803.41	3807281.91	17.76257	(09011918)
464823.41	3807281.91	16.39918	(09011918)	464843.41	3807281.91	14.88386	(09011918)
464863.41	3807281.91	13.41682	(09011918)	464883.41	3807281.91	12.18268	(09011918)
464903.41	3807281.91	10.89446	(09011918)	464923.41	3807281.91	9.70178	(09011918)
464503.41	3807301.91	28.82884	(10112518)	464523.41	3807301.91	28.06380	(10112518)
464543.41	3807301.91	26.91057	(10112518)	464563.41	3807301.91	25.44697	(10112518)
464583.41	3807301.91	25.90017	(09011918)	464603.41	3807301.91	26.43218	(09011918)
464623.41	3807301.91	26.55040	(09011918)	464643.41	3807301.91	26.70103	(09011918)
464663.41	3807301.91	26.18020	(09011918)	464683.41	3807301.91	25.26400	(09011918)
464703.41	3807301.91	24.52977	(09011918)	464723.41	3807301.91	23.22385	(09011918)
464743.41	3807301.91	21.64602	(09011918)	464763.41	3807301.91	20.16671	(09011918)
464783.41	3807301.91	18.64406	(09011918)	464803.41			

3807301.91 17.14405 (09011918)
464823.41 3807301.91 15.76915 (09011918) 464843.41
3807301.91 14.22595 (09011918)
464863.41 3807301.91 12.72066 (09011918) 464883.41
3807301.91 11.40803 (09011918)
464903.41 3807301.91 10.19978 (09011918) 464923.41
3807301.91 9.07047 (09011918)
464503.41 3807321.91 28.94202 (10112518) 464523.41
3807321.91 28.12050 (10112518)
464543.41 3807321.91 26.71098 (10112518) 464563.41
3807321.91 25.93365 (09011918)
464583.41 3807321.91 26.94918 (09011918) 464603.41
3807321.91 27.34057 (09011918)
464623.41 3807321.91 27.25044 (09011918) 464643.41
3807321.91 27.19667 (09011918)
464663.41 3807321.91 26.46650 (09011918) 464683.41
3807321.91 25.34026 (09011918)
464703.41 3807321.91 24.32009 (09011918) 464723.41
3807321.91 22.89220 (09011918)
464743.41 3807321.91 21.24050 (09011918) 464763.41
3807321.91 19.44830 (09011918)
464783.41 3807321.91 17.93979 (09011918) 464803.41
3807321.91 16.52014 (09011918)
464823.41 3807321.91 15.04142 (09011918) 464843.41
3807321.91 13.48736 (09011918)
464863.41 3807321.91 12.00753 (09011918) 464883.41
3807321.91 10.68959 (09011918)
464903.41 3807321.91 9.51902 (09011918) 464923.41
3807321.91 8.49571 (09011918)
464503.41 3807341.91 29.17082 (10112518) 464523.41
3807341.91 28.11872 (10112518)
464543.41 3807341.91 26.50804 (10112518) 464563.41
3807341.91 27.13714 (09011918)
464583.41 3807341.91 27.98090 (09011918) 464603.41
3807341.91 28.15990 (09011918)
464623.41 3807341.91 27.84671 (09011918) 464643.41
3807341.91 27.57411 (09011918)
464663.41 3807341.91 26.62947 (09011918) 464683.41
3807341.91 25.24807 (09011918)
464703.41 3807341.91 23.70891 (09011918) 464723.41
3807341.91 22.27364 (09011918)
464743.41 3807341.91 20.77123 (09011918) 464763.41
3807341.91 18.91075 (09011918)
464783.41 3807341.91 17.32870 (09011918) 464803.41
3807341.91 15.81049 (09011918)
464823.41 3807341.91 14.15553 (09011918) 464843.41
3807341.91 12.60507 (09011918)
464863.41 3807341.91 11.20952 (09011918) 464883.41
3807341.91 10.03798 (09011918)
464903.41 3807341.91 8.92372 (09011918) 464923.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                   INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                 L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                 L0005949   , L0005950   , L0005951   , L0005952   , L0005953 , L0005954   , L0005955   , L0005956   ,
                 L0005957   , L0005958   , L0005959   , L0005960   , L0005961 , L0005962   , L0005963   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        464903.41   3807361.91        8.34785  (09122717)               464923.41
3807361.91        7.82234  (09030119)
        464503.41   3807381.91       29.14969  (10112518)               464523.41
3807381.91       27.41046  (10112518)
        464543.41   3807381.91       28.51831  (09011918)               464563.41
3807381.91       29.33221  (09011918)
        464583.41   3807381.91       29.66842  (09011918)               464603.41
3807381.91       29.38718  (09011918)
        464623.41   3807381.91       28.58755  (09011918)               464643.41
3807381.91       27.32922  (09011918)
        464663.41   3807381.91       26.07262  (09011918)               464683.41
3807381.91       24.67284  (09011918)
        464703.41   3807381.91       22.87613  (09011918)               464723.41
3807381.91       20.94016  (09011918)
        464743.41   3807381.91       19.03669  (09011918)               464763.41
3807381.91       17.41113  (09011918)
        464783.41   3807381.91       15.68125  (09011918)               464803.41
3807381.91       13.99441  (09011918)
        464823.41   3807381.91       12.40632  (09011918)               464843.41
3807381.91       11.03681  (09011918)
        464863.41   3807381.91        9.85687  (09011918)               464883.41
3807381.91        8.73169  (09011918)
        464903.41   3807381.91        8.02409  (09030119)               464923.41
3807381.91        6.44162  (09011918)
        464503.41   3807401.91       28.74637  (10112518)               464523.41
3807401.91       28.70435  (09011918)
        464543.41   3807401.91       29.70505  (09011918)               464563.41
3807401.91       30.24541  (09011918)
        464583.41   3807401.91       30.00593  (09011918)               464603.41
3807401.91       29.56549  (09011918)
        464623.41   3807401.91       28.79242  (09011918)               464643.41
3807401.91       27.31069  (09011918)
        464663.41   3807401.91       25.61977  (09011918)               464683.41
3807401.91       23.84864  (09011918)
        464703.41   3807401.91       22.24303  (09011918)               464723.41
3807401.91       20.31602  (09011918)
        464743.41   3807401.91       18.31487  (09011918)               464763.41
3807401.91       16.42970  (09011918)
        464783.41   3807401.91       14.79021  (09011918)               464803.41
3807401.91       13.25506  (09011918)
        464823.41   3807401.91       11.70997  (09011918)               464843.41
3807401.91       10.37263  (09011918)
        464863.41   3807401.91        9.19335  (09011918)               464883.41
3807401.91        8.15650  (09122717)
        464903.41   3807401.91        7.29456  (09030119)               464923.41
3807401.91        6.73322  (09030119)
        464503.41   3807421.91       28.78486  (09011918)               464523.41
3807421.91       30.00081  (09011918)
        464543.41   3807421.91       30.64613  (09011918)               464563.41
3807421.91       30.75240  (09011918)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464783.41	3807421.91	13.91981	(09011918)	464803.41	3807421.91	12.37858	(09011918)
464823.41	3807421.91	10.96934	(09011918)	464843.41	3807421.91	9.64949	(09011918)
464863.41	3807421.91	8.54329	(09122717)	464883.41	3807421.91	7.55530	(09030119)
464903.41	3807421.91	6.84549	(09030119)	464923.41	3807421.91	6.74781	(09030119)
464503.41	3807441.91	30.21368	(09011918)	464523.41	3807441.91	31.13829	(09011918)
464543.41	3807441.91	31.39703	(09011918)	464563.41			

```
3807441.91       31.11357  (09011918)
        464583.41   3807441.91       30.63747  (09011918)                464603.41
3807441.91       29.53117  (09011918)
        464623.41   3807441.91       28.04684  (09011918)                464643.41
3807441.91       26.55865  (09011918)
        464663.41   3807441.91       24.66645  (09011918)                464683.41
3807441.91       22.58328  (09011918)
        464703.41   3807441.91       20.41415  (09011918)                464723.41
3807441.91       18.49112  (09011918)
        464743.41   3807441.91       16.66583  (09011918)                464763.41
3807441.91       14.80942  (09011918)
        464783.41   3807441.91       13.07886  (09011918)                464803.41
3807441.91       11.50138  (09011918)
        464823.41   3807441.91       10.21043  (09011918)                464843.41
3807441.91        8.95896  (09011918)
        464863.41   3807441.91        7.41519  (09011918)                464883.41
3807441.91        7.23427  (09030119)
        464903.41   3807441.91        7.07053  (09030119)                464923.41
3807441.91        5.74654  (09030119)
        464503.41   3807461.91       31.53451  (09011918)                464523.41
3807461.91       31.88926  (09011918)
        464543.41   3807461.91       31.95100  (09011918)                464563.41
3807461.91       31.59871  (09011918)
        464583.41   3807461.91       30.46244  (09011918)                464603.41
3807461.91       29.22835  (09011918)
        464623.41   3807461.91       27.74894  (09011918)                464643.41
3807461.91       25.72862  (09011918)
        464663.41   3807461.91       23.81627  (09011918)                464683.41
3807461.91       21.85649  (09011918)
        464703.41   3807461.91       19.63086  (09011918)                464723.41
3807461.91       17.52659  (09011918)
        464743.41   3807461.91       15.59828  (09011918)                464763.41
3807461.91       13.92218  (09011918)
        464783.41   3807461.91       12.27436  (09011918)                464803.41
3807461.91       10.76452  (09011918)
        464823.41   3807461.91        9.59309  (09122717)                464843.41
3807461.91        9.48802  (09030119)
        464863.41   3807461.91        7.43600  (09030119)                464883.41
3807461.91        7.71550  (09030119)
        464903.41   3807461.91        7.49165  (09030119)                464923.41
3807461.91        5.97165  (09030119)
        464503.41   3807481.91       32.79920  (09011918)                464523.41
3807481.91       32.79403  (09011918)
        464543.41   3807481.91       32.38064  (09011918)                464563.41
3807481.91       31.58061  (09011918)
        464583.41   3807481.91       30.37945  (09011918)                464603.41
3807481.91       28.81734  (09011918)
        464623.41   3807481.91       26.99475  (09011918)                464643.41
3807481.91       25.00964  (09011918)
        464663.41   3807481.91       22.91152  (09011918)                464683.41
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3807481.91   20.78720 (09011918)
        464703.41   3807481.91   18.70528 (09011918)   464723.41
3807481.91   16.62411 (09011918)
        464743.41   3807481.91   14.69381 (09011918)   464763.41
3807481.91   13.04012 (09011918)
        464783.41   3807481.91   11.44386 (09011918)   464803.41
3807481.91   10.01082 (09011918)
        464823.41   3807481.91   10.39962 (09030119)   464843.41
3807481.91   10.24132 (09030119)
        464863.41   3807481.91   7.86135 (09030119)   464883.41
3807481.91   7.71655 (09030119)
        464903.41   3807481.91   6.31213 (09030119)   464923.41
3807481.91   6.19478 (09030119)
        464503.41   3807501.91   33.81362 (09011918)   464523.41
3807501.91   33.46799 (09011918)
        464543.41   3807501.91   32.62269 (09011918)   464563.41
3807501.91   31.40666 (09011918)
        464583.41   3807501.91   30.10214 (09011918)   464603.41
3807501.91   28.24468 (09011918)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                   INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                 L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                 L0005949   , L0005950   , L0005951   , L0005952   , L0005953 , L0005954   , L0005955   , L0005956   ,
                 L0005957   , L0005958   , L0005959   , L0005960   , L0005961 , L0005962   , L0005963   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464623.41   3807501.91   26.14202 (09011918)   464643.41
3807501.91   24.15516 (09011918)

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        464663.41   3807501.91       21.91773  (09011918)                464683.41
3807501.91       19.68585  (09011918)
        464703.41   3807501.91       17.67318  (09011918)                464723.41
3807501.91       15.65635  (09011918)
        464743.41   3807501.91       13.78459  (09011918)                464763.41
3807501.91       12.12486  (09011918)
        464783.41   3807501.91       10.62605  (09122717)                464803.41
3807501.91       10.69145  (09030119)
        464823.41   3807501.91       11.01604  (09030119)                464843.41
3807501.91       10.88120  (09030119)
        464863.41   3807501.91        8.28649  (09030119)                464883.41
3807501.91        6.44768  (09030119)
        464903.41   3807501.91        6.38313  (09030119)                464923.41
3807501.91        6.41421  (09030119)
        464503.41   3807521.91       34.29999  (09011918)                464523.41
3807521.91       33.54845  (09011918)
        464543.41   3807521.91       32.63070  (09011918)                464563.41
3807521.91       31.38120  (09011918)
        464583.41   3807521.91       29.41131  (09011918)                464603.41
3807521.91       27.48522  (09011918)
        464623.41   3807521.91       25.43811  (09011918)                464643.41
3807521.91       23.02362  (09011918)
        464663.41   3807521.91       20.82881  (09011918)                464683.41
3807521.91       18.70428  (09011918)
        464703.41   3807521.91       16.52445  (09011918)                464723.41
3807521.91       14.60416  (09011918)
        464743.41   3807521.91       12.83739  (09011918)                464763.41
3807521.91       11.20165  (09011918)
        464783.41   3807521.91       11.40966  (09030119)                464803.41
3807521.91       11.46007  (09030119)
        464823.41   3807521.91       10.97049  (09030119)                464843.41
3807521.91        9.73889  (09030119)
        464863.41   3807521.91        8.79866  (09030119)                464883.41
3807521.91        6.70551  (09030119)
        464903.41   3807521.91        6.61169  (09030119)                464923.41
3807521.91        6.62816  (09030119)
        464503.41   3807541.91       34.59744  (09011918)                464523.41
3807541.91       33.79975  (09011918)
        464543.41   3807541.91       32.50239  (09011918)                464563.41
3807541.91       30.80996  (09011918)
        464583.41   3807541.91       28.83547  (09011918)                464603.41
3807541.91       26.63967  (09011918)
        464623.41   3807541.91       24.33384  (09011918)                464643.41
3807541.91       22.01232  (09011918)
        464663.41   3807541.91       19.71944  (09011918)                464683.41
3807541.91       17.52409  (09011918)
        464703.41   3807541.91       15.47139  (09011918)                464723.41
3807541.91       13.57725  (09011918)
        464743.41   3807541.91       11.86186  (09011918)                464763.41
3807541.91       11.76084  (09030119)
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        464783.41   3807541.91       11.94877  (09030119)                464803.41
3807541.91       12.36966  (09030119)
        464823.41   3807541.91       10.55403  (09030119)                464843.41
3807541.91        8.96311  (09030119)
        464863.41   3807541.91        8.68836  (09030119)                464883.41
3807541.91        6.81937  (09030119)
        464903.41   3807541.91        6.83547  (09030119)                464923.41
3807541.91        6.83670  (09030119)
        464503.41   3807561.91       34.81126  (09011918)                464523.41
3807561.91       33.85466  (09011918)
        464543.41   3807561.91       32.17223  (09011918)                464563.41
3807561.91       30.09735  (09011918)
        464583.41   3807561.91       28.07777  (09011918)                464603.41
3807561.91       25.66227  (09011918)
        464623.41   3807561.91       23.17146  (09011918)                464643.41
3807561.91       20.90755  (09011918)
        464663.41   3807561.91       18.56591  (09011918)                464683.41
3807561.91       16.35706  (09011918)
        464703.41   3807561.91       14.40415  (09011918)                464723.41
3807561.91       12.56790  (09011918)
        464743.41   3807561.91       11.67938  (09030119)                464763.41
3807561.91       12.31946  (09030119)
        464783.41   3807561.91       12.77104  (09030119)                464803.41
3807561.91       12.88366  (09030119)
        464823.41   3807561.91       11.06172  (09030119)                464843.41
3807561.91        9.17310  (09030119)
        464863.41   3807561.91        7.03882  (09030119)                464883.41
3807561.91        7.05216  (09030119)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 450
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                  INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464903.41	3807561.91	7.05162	(09030119)	464923.41	3807561.91	7.03620	(09030119)
464503.41	3807581.91	35.17775	(09011918)	464523.41	3807581.91	33.41976	(09011918)
464543.41	3807581.91	31.60245	(09011918)	464563.41	3807581.91	29.55092	(09011918)
464583.41	3807581.91	26.94660	(09011918)	464603.41	3807581.91	24.53991	(09011918)
464623.41	3807581.91	22.15654	(09011918)	464643.41	3807581.91	19.61451	(09011918)
464663.41	3807581.91	17.37129	(09011918)	464683.41	3807581.91	15.28865	(09011918)
464703.41	3807581.91	13.31007	(09011918)	464723.41	3807581.91	12.47981	(09030119)
464743.41	3807581.91	12.70893	(09030119)	464763.41	3807581.91	13.33862	(09030119)
464783.41	3807581.91	13.13802	(09030119)	464803.41	3807581.91	11.19435	(09030119)
464823.41	3807581.91	11.18424	(09030119)	464843.41	3807581.91	9.67560	(09030119)
464863.41	3807581.91	7.28134	(09030119)	464883.41	3807581.91	7.27646	(09030119)
464903.41	3807581.91	7.25750	(09030119)	464923.41	3807581.91	7.22380	(09030119)
464503.41	3807601.91	34.84279	(09011918)	464523.41	3807601.91	32.65093	(09011918)
464543.41	3807601.91	30.61381	(09011918)	464563.41	3807601.91	28.48351	(09011918)
464583.41	3807601.91	25.94936	(09011918)	464603.41	3807601.91	23.36941	(09011918)
464623.41	3807601.91	20.84298	(09011918)	464643.41	3807601.91	18.44125	(09011918)
464663.41	3807601.91	16.19358	(09011918)	464683.41	3807601.91	14.13780	(09011918)
464703.41	3807601.91	12.88459	(09030119)	464723.41	3807601.91	13.11852	(09030119)
464743.41	3807601.91	13.63266	(09030119)	464763.41	3807601.91	13.56477	(09030119)
464783.41	3807601.91	12.16840	(09030119)	464803.41	3807601.91	10.38160	(09030119)
464823.41	3807601.91	10.01107	(09030119)	464843.41	3807601.91	7.77654	(09030119)
464863.41	3807601.91	7.51546	(09030119)	464883.41			

3807601.91   7.49230 (09030119)
        464903.41   3807601.91   7.45290 (09030119)   464923.41
3807601.91   7.39843 (09030119)
        464503.41   3807621.91   34.15705 (09011918)   464523.41
3807621.91   31.80074 (09011918)
        464543.41   3807621.91   29.58323 (09011918)   464563.41
3807621.91   27.31377 (09011918)
        464583.41   3807621.91   24.81008 (09011918)   464603.41
3807621.91   22.11700 (09011918)
        464623.41   3807621.91   19.52254 (09011918)   464643.41
3807621.91   17.22748 (09011918)
        464663.41   3807621.91   15.01922 (09011918)   464683.41
3807621.91   13.03195 (09011918)
        464703.41   3807621.91   13.54970 (09030119)   464723.41
3807621.91   14.07402 (09030119)
        464743.41   3807621.91   14.21782 (09030119)   464763.41
3807621.91   12.21178 (09030119)
        464783.41   3807621.91   10.72867 (09030119)   464803.41
3807621.91   10.60121 (09030119)
        464823.41   3807621.91   7.77721 (09030119)   464843.41
3807621.91   7.76746 (09030119)
        464863.41   3807621.91   7.73941 (09030119)   464883.41
3807621.91   7.69567 (09030119)
        464903.41   3807621.91   7.63481 (09030119)   464923.41
3807621.91   7.55882 (09030119)
        464503.41   3807641.91   33.28215 (09011918)   464523.41
3807641.91   31.18411 (09011918)
        464543.41   3807641.91   28.87483 (09011918)   464563.41
3807641.91   26.31926 (09011918)
        464583.41   3807641.91   23.38695 (09011918)   464603.41
3807641.91   20.78236 (09011918)
        464623.41   3807641.91   18.33237 (09011918)   464643.41
3807641.91   15.93664 (09011918)
        464663.41   3807641.91   13.85746 (09011918)   464683.41
3807641.91   14.00405 (09030119)
        464703.41   3807641.91   14.72861 (09030119)   464723.41
3807641.91   14.52768 (09030119)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                  INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                 L0005941   , L0005942   , L0005943   , L0005944   , L0005945

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, L0005946    , L0005947    , L0005948    ,
                L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464743.41   3807641.91       12.38283  (09030119)               464763.41
3807641.91       12.37975  (09030119)
        464783.41   3807641.91       10.83276  (09030119)               464803.41
3807641.91        8.04711  (09030119)
        464823.41   3807641.91        8.03283  (09030119)               464843.41
3807641.91        8.00114  (09030119)
        464863.41   3807641.91        7.95151  (09030119)               464883.41
3807641.91        7.88333  (09030119)
        464903.41   3807641.91        7.80066  (09030119)               464923.41
3807641.91        7.88133  (09031219)
        464503.41   3807661.91       32.09923  (09011918)               464523.41
3807661.91       29.91976  (09011918)
        464543.41   3807661.91       27.49976  (09011918)               464563.41
3807661.91       24.89682  (09011918)
        464583.41   3807661.91       22.10757  (09011918)               464603.41
3807661.91       19.44789  (09011918)
        464623.41   3807661.91       16.98244  (09011918)               464643.41
3807661.91       14.74372  (09011918)
        464663.41   3807661.91       14.00536  (09030119)               464683.41
3807661.91       14.07901  (09030119)
        464703.41   3807661.91       14.70322  (09030119)               464723.41
3807661.91       13.49242  (09030119)
        464743.41   3807661.91       11.51079  (09030119)               464763.41
3807661.91       11.10154  (09030119)
        464783.41   3807661.91        8.61353  (09030119)               464803.41
3807661.91        8.31454  (09030119)
        464823.41   3807661.91        8.27726  (09030119)               464843.41
3807661.91        8.22066  (09030119)
        464863.41   3807661.91        8.14607  (09030119)               464883.41
3807661.91        8.09577  (09031219)
        464903.41   3807661.91        8.18616  (09031219)               464923.41
3807661.91        8.25415  (09031219)
        464503.41   3807681.91       30.68735  (09011918)               464523.41
3807681.91       28.37691  (09011918)
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        464543.41   3807681.91       25.88747  (09011918)               464563.41
3807681.91       23.30898  (09011918)
        464583.41   3807681.91       20.72381  (09011918)               464603.41
3807681.91       18.09219  (09011918)
        464623.41   3807681.91       15.66297  (09011918)               464643.41
3807681.91       14.66286  (09030119)
        464663.41   3807681.91       14.56544  (09030119)               464683.41
3807681.91       11.32015  (09030119)
        464703.41   3807681.91       11.46004  (09030119)               464723.41
3807681.91       11.65932  (09030119)
        464743.41   3807681.91       11.78427  (09030119)               464763.41
3807681.91        8.63433  (09030119)
        464783.41   3807681.91        8.61247  (09030119)               464803.41
3807681.91        8.56858  (09030119)
        464823.41   3807681.91        8.50598  (09030119)               464843.41
3807681.91        8.42309  (09030119)
        464863.41   3807681.91        8.42043  (09031219)               464883.41
3807681.91        8.50897  (09031219)
        464903.41   3807681.91        8.57265  (09031219)               464923.41
3807681.91        8.61267  (09031219)
        464523.41   3807701.91       26.74421  (09011918)               464543.41
3807701.91       24.22844  (09011918)
        464563.41   3807701.91       21.67566  (09011918)               464583.41
3807701.91       19.15974  (09011918)
        464603.41   3807701.91       16.72480  (09011918)               464623.41
3807701.91       15.34204  (09030119)
        464643.41   3807701.91       14.76898  (09030119)               464663.41
3807701.91       13.14130  (09030119)
        464683.41   3807701.91       11.89867  (09030119)               464703.41
3807701.91       11.27243  (09030119)
        464723.41   3807701.91        8.95975  (09030119)               464743.41
3807701.91        8.95547  (09030119)
        464763.41   3807701.91        8.92739  (09030119)               464783.41
3807701.91        8.87830  (09030119)
        464803.41   3807701.91        8.80772  (09030119)               464823.41
3807701.91        8.71508  (09030119)
        464843.41   3807701.91        8.76526  (09031219)               464863.41
3807701.91        8.85043  (09031219)
        464883.41   3807701.91        8.90861  (09031219)               464903.41
3807701.91        8.94264  (09031219)
        464923.41   3807701.91        8.95231  (09031219)               464543.41
3807721.91       22.53098  (09011918)
        464563.41   3807721.91       20.31046  (09011918)               464583.41
3807721.91       17.80749  (09011918)
        464603.41   3807721.91       16.09098  (09030119)               464623.41
3807721.91       16.76815  (09030119)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464643.41	3807721.91	14.34213	(09030119)	464663.41	3807721.91	12.19851	(09030119)
464683.41	3807721.91	11.84744	(09030119)	464703.41	3807721.91	9.30499	(09030119)
464723.41	3807721.91	9.29718	(09030119)	464743.41	3807721.91	9.26307	(09030119)
464763.41	3807721.91	9.20629	(09030119)	464783.41	3807721.91	9.12628	(09030119)
464803.41	3807721.91	9.02487	(09030119)	464823.41	3807721.91	9.13073	(09031219)
464843.41	3807721.91	9.21137	(09031219)	464863.41	3807721.91	9.26438	(09031219)
464883.41	3807721.91	9.29060	(09031219)	464903.41	3807721.91	9.30811	(10020118)
464923.41	3807721.91	9.38502	(10020118)	464943.41	3807721.91	9.43567	(10020118)
464963.41	3807721.91	9.46073	(10020118)	464983.41	3807721.91	9.46081	(10020118)
465003.41	3807721.91	9.43695	(10020118)	465023.41	3807721.91	9.39075	(10020118)
465043.41	3807721.91	9.32308	(10020118)	465063.41	3807721.91	9.23564	(10020118)
465083.41	3807721.91	9.13032	(10020118)	465103.41	3807721.91	9.00913	(10020118)
465123.41	3807721.91	8.87542	(10020118)	465143.41			

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3807721.91        8.72614  (10020118)
        465163.41   3807721.91        8.56448  (10020118)                465183.41
3807721.91        8.39507  (10020118)
        465203.41   3807721.91        8.21466  (10020118)                465223.41
3807721.91        8.02552  (10020118)
        465243.41   3807721.91        7.82963  (10020118)                465263.41
3807721.91        7.62873  (10020118)
        465283.41   3807721.91        7.42446  (10020118)                465303.41
3807721.91        7.21977  (10020118)
        465323.41   3807721.91        7.01074  (10020118)                465343.41
3807721.91        6.80018  (10020118)
        465363.41   3807721.91        6.59209  (10020118)                465383.41
3807721.91        6.38257  (10020118)
        464543.41   3807741.91       18.38856  (09011918)                464563.41
3807741.91       18.80061  (09011918)
        464583.41   3807741.91       16.43380  (09011918)                464603.41
3807741.91       17.20537  (09030119)
        464623.41   3807741.91       17.64874  (09030119)                464643.41
3807741.91       14.42165  (09030119)
        464663.41   3807741.91       12.31852  (09030119)                464683.41
3807741.91        9.67320  (09030119)
        464703.41   3807741.91        9.65998  (09030119)                464723.41
3807741.91        9.61956  (09030119)
        464743.41   3807741.91        9.55369  (09030119)                464763.41
3807741.91        9.46531  (09030119)
        464783.41   3807741.91        9.41290  (09031219)                464803.41
3807741.91        9.51822  (09031219)
        464823.41   3807741.91        9.59478  (09031219)                464843.41
3807741.91        9.64035  (09031219)
        464863.41   3807741.91        9.65709  (09031219)                464883.41
3807741.91        9.71128  (10020118)
        464903.41   3807741.91        9.78025  (10020118)                464923.41
3807741.91        9.82115  (10020118)
        464943.41   3807741.91        9.83512  (10020118)                464963.41
3807741.91        9.82272  (10020118)
        464983.41   3807741.91        9.78585  (10020118)                465003.41
3807741.91        9.72308  (10020118)
        465023.41   3807741.91        9.63950  (10020118)                465043.41
3807741.91        9.53672  (10020118)
        465063.41   3807741.91        9.41249  (10020118)                465083.41
3807741.91        9.27470  (10020118)
        465103.41   3807741.91        9.12342  (10020118)                465123.41
3807741.91        8.95769  (10020118)
        465143.41   3807741.91        8.77746  (10020118)                465163.41
3807741.91        8.58636  (10020118)
        465183.41   3807741.91        8.39001  (10020118)                465203.41
3807741.91        8.18721  (10020118)
        465223.41   3807741.91        7.97806  (10020118)                465243.41
3807741.91        7.75979  (10020118)
        465263.41   3807741.91        7.54172  (10020118)                465283.41
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                   INCLUDING SOURCE(S):   L0005936   , L0005937
, L0005938   , L0005939   , L0005940   ,
                L0005941   , L0005942   , L0005943   , L0005944   , L0005945
, L0005946   , L0005947   , L0005948   ,
                L0005949   , L0005950   , L0005951   , L0005952   , L0005953
, L0005954   , L0005955   , L0005956   ,
                L0005957   , L0005958   , L0005959   , L0005960   , L0005961
, L0005962   , L0005963   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465383.41   3807741.91   6.21611 (10020118)   464543.41
3807761.91   11.62114 (09011918)
        464563.41   3807761.91   14.75262 (09011918)   464583.41
3807761.91   14.04140 (09011918)
        464603.41   3807761.91   15.03027 (09030119)   464623.41
3807761.91   15.00122 (09030119)
        464643.41   3807761.91   12.66349 (09030119)   464663.41
3807761.91   10.06467 (09030119)
        464683.41   3807761.91   10.04671 (09030119)   464703.41
3807761.91   9.99824 (09030119)
        464723.41   3807761.91   9.92464 (09030119)   464743.41
3807761.91   9.82529 (09030119)
        464763.41   3807761.91   9.82843 (09031219)   464783.41
3807761.91   9.93124 (09031219)
        464803.41   3807761.91   10.00164 (09031219)   464823.41
3807761.91   10.03863 (09031219)

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        464843.41   3807761.91       10.04588  (10020118)              464863.41
3807761.91       10.13611  (10020118)
        464883.41   3807761.91       10.19727  (10020118)              464903.41
3807761.91       10.22725  (10020118)
        464923.41   3807761.91       10.22831  (10020118)              464943.41
3807761.91       10.20206  (10020118)
        464963.41   3807761.91       10.14941  (10020118)              464983.41
3807761.91       10.07264  (10020118)
        465003.41   3807761.91        9.97060  (10020118)              465023.41
3807761.91        9.84607  (10020118)
        465043.41   3807761.91        9.70329  (10020118)              465063.41
3807761.91        9.54752  (10020118)
        465083.41   3807761.91        9.37724  (10020118)              465103.41
3807761.91        9.19296  (10020118)
        465123.41   3807761.91        8.99217  (10020118)              465143.41
3807761.91        8.78490  (10020118)
        465163.41   3807761.91        8.57026  (10020118)              465183.41
3807761.91        8.34429  (10020118)
        465203.41   3807761.91        8.11758  (10020118)              465223.41
3807761.91        7.88873  (10020118)
        465243.41   3807761.91        7.65633  (10020118)              465263.41
3807761.91        7.42294  (10020118)
        465283.41   3807761.91        7.18824  (10020118)              465303.41
3807761.91        6.94910  (10020118)
        465323.41   3807761.91        6.71465  (10020118)              465343.41
3807761.91        6.48310  (10020118)
        465363.41   3807761.91        6.25015  (10020118)              465383.41
3807761.91        6.02466  (10020118)
        464543.41   3807781.91       11.32391  (09011918)              464563.41
3807781.91       10.36171  (09011918)
        464583.41   3807781.91       10.35409  (09030119)              464603.41
3807781.91       10.43269  (09030119)
        464623.41   3807781.91       10.47530  (09030119)              464643.41
3807781.91       10.48433  (09030119)
        464663.41   3807781.91       10.46166  (09030119)              464683.41
3807781.91       10.40704  (09030119)
        464703.41   3807781.91       10.32009  (09030119)              464723.41
3807781.91       10.20689  (09030119)
        464743.41   3807781.91       10.27276  (09031219)              464763.41
3807781.91       10.37055  (09031219)
        464783.41   3807781.91       10.43306  (09031219)              464803.41
3807781.91       10.46112  (09031219)
        464823.41   3807781.91       10.50645  (10020118)              464843.41
3807781.91       10.58848  (10020118)
        464863.41   3807781.91       10.63783  (10020118)              464883.41
3807781.91       10.65514  (10020118)
        464903.41   3807781.91       10.64174  (10020118)              464923.41
3807781.91       10.59912  (10020118)
        464943.41   3807781.91       10.52890  (10020118)              464963.41
3807781.91       10.43265  (10020118)
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        464983.41   3807781.91       10.31273  (10020118)               465003.41
3807781.91       10.17106  (10020118)
        465023.41   3807781.91       10.00759  (10020118)               465043.41
3807781.91        9.82648  (10020118)
        465063.41   3807781.91        9.63604  (10020118)               465083.41
3807781.91        9.42992  (10020118)
        465103.41   3807781.91        9.21148  (10020118)               465123.41
3807781.91        8.98382  (10020118)
        465143.41   3807781.91        8.74821  (10020118)               465163.41
3807781.91        8.50652  (10020118)
        465183.41   3807781.91        8.26051  (10020118)               465203.41
3807781.91        8.01400  (10020118)
        465223.41   3807781.91        7.76602  (10020118)               465243.41
3807781.91        7.51403  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 454
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                  INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        465263.41   3807781.91        7.26502  (10020118)               465283.41
3807781.91        7.01805  (10020118)
        465303.41   3807781.91        6.77035  (10020118)               465323.41
3807781.91        6.52542  (10020118)
        465343.41   3807781.91        6.28414  (10020118)               465363.41
3807781.91        6.04730  (10020118)
        465383.41   3807781.91        5.81742  (10020118)               464543.41
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3807801.91       10.96843  (09011918)
        464563.41   3807801.91       10.81909  (09030119)                464583.41
3807801.91       10.90150  (09030119)
        464603.41   3807801.91       10.94175  (09030119)                464623.41
3807801.91       10.94194  (09030119)
        464643.41   3807801.91       10.90504  (09030119)                464663.41
3807801.91       10.83983  (09030119)
        464683.41   3807801.91       10.74442  (09030119)                464703.41
3807801.91       10.61798  (09031219)
        464723.41   3807801.91       10.74695  (09031219)                464743.41
3807801.91       10.83803  (09031219)
        464763.41   3807801.91       10.89295  (09031219)                464783.41
3807801.91       10.90939  (09031219)
        464803.41   3807801.91       10.99606  (10020118)                464823.41
3807801.91       11.06727  (10020118)
        464843.41   3807801.91       11.10408  (10020118)                464863.41
3807801.91       11.10668  (10020118)
        464883.41   3807801.91       11.07600  (10020118)                464903.41
3807801.91       11.01495  (10020118)
        464923.41   3807801.91       10.92454  (10020118)                464943.41
3807801.91       10.80809  (10020118)
        464963.41   3807801.91       10.66618  (10020118)                464983.41
3807801.91       10.50108  (10020118)
        465003.41   3807801.91       10.31902  (10020118)                465023.41
3807801.91       10.11707  (10020118)
        465043.41   3807801.91        9.89940  (10020118)                465063.41
3807801.91        9.67250  (10020118)
        465083.41   3807801.91        9.43168  (10020118)                465103.41
3807801.91        9.18132  (10020118)
        465123.41   3807801.91        8.92798  (10020118)                465143.41
3807801.91        8.66595  (10020118)
        465163.41   3807801.91        8.39980  (10020118)                465183.41
3807801.91        8.13698  (10020118)
        465203.41   3807801.91        7.87203  (10020118)                465223.41
3807801.91        7.60603  (10020118)
        465243.41   3807801.91        7.33752  (10020118)                465263.41
3807801.91        7.07550  (10020118)
        465283.41   3807801.91        6.81843  (10020118)                465303.41
3807801.91        6.56395  (10020118)
        465323.41   3807801.91        6.31101  (10020118)                465343.41
3807801.91        6.06291  (10020118)
        465363.41   3807801.91        5.82506  (10020118)                465383.41
3807801.91        5.66594  (10102019)
        464543.41   3807821.91       11.27218  (09030119)                464563.41
3807821.91       11.37538  (09030119)
        464583.41   3807821.91       11.43299  (09030119)                464603.41
3807821.91       11.43389  (09030119)
        464623.41   3807821.91       11.38875  (09030119)                464643.41
3807821.91       11.30699  (09030119)
        464663.41   3807821.91       11.19398  (09030119)                464683.41
```

3807821.91   11.12900 (09031219)
        464703.41   3807821.91   11.25329 (09031219)   464723.41
3807821.91   11.33830 (09031219)
        464743.41   3807821.91   11.38267 (09031219)   464763.41
3807821.91   11.41928 (10020118)
        464783.41   3807821.91   11.51678 (10020118)   464803.41
3807821.91   11.57538 (10020118)
        464823.41   3807821.91   11.59774 (10020118)   464843.41
3807821.91   11.58243 (10020118)
        464863.41   3807821.91   11.53250 (10020118)   464883.41
3807821.91   11.45054 (10020118)
        464903.41   3807821.91   11.33809 (10020118)   464923.41
3807821.91   11.19829 (10020118)
        464943.41   3807821.91   11.03137 (10020118)   464963.41
3807821.91   10.84334 (10020118)
        464983.41   3807821.91   10.63637 (10020118)   465003.41
3807821.91   10.40800 (10020118)
        465023.41   3807821.91   10.16837 (10020118)   465043.41
3807821.91   9.91733 (10020118)
        465063.41   3807821.91   9.65123 (10020118)   465083.41
3807821.91   9.38105 (10020118)
        465103.41   3807821.91   9.10578 (10020118)   465123.41
3807821.91   8.82091 (10020118)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                   INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                  L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                  L0005949   , L0005950   , L0005951   , L0005952   , L0005953 , L0005954   , L0005955   , L0005956   ,
                  L0005957   , L0005958   , L0005959   , L0005960   , L0005961 , L0005962   , L0005963   , . . .   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)

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 - - -
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        465263.41   3807841.91        6.61375  (10020118)               465283.41
3807841.91        6.34301  (10020118)
        465303.41   3807841.91        6.13602  (10102019)               465323.41
3807841.91        5.97527  (10102019)
        465343.41   3807841.91        5.81575  (10102019)               465363.41
3807841.91        5.65450  (10102019)
        465383.41   3807841.91        5.49506  (10102019)               464503.41
3807861.91       12.24655  (09030119)
        464523.41   3807861.91       12.30892  (09030119)               464543.41
3807861.91       12.34016  (09030119)
        464563.41   3807861.91       12.34520  (09030119)               464583.41
3807861.91       12.35405  (09030119)
        464603.41   3807861.91       12.30901  (09030119)               464723.41
3807861.91       12.59124  (10020118)
        464743.41   3807861.91       12.66248  (10020118)               464763.41
3807861.91       12.68800  (10020118)
        464783.41   3807861.91       12.67201  (10020118)               464803.41
3807861.91       12.61466  (10020118)
        464823.41   3807861.91       12.51728  (10020118)               464843.41
3807861.91       12.38471  (10020118)
        464863.41   3807861.91       12.21880  (10020118)               464883.41
3807861.91       12.02417  (10020118)
        464903.41   3807861.91       11.80211  (10020118)               464923.41
3807861.91       11.55575  (10020118)
        464943.41   3807861.91       11.29298  (10020118)               464963.41
3807861.91       11.01058  (10020118)
        464983.41   3807861.91       10.71378  (10020118)               465003.41
3807861.91       10.41037  (10020118)
        465023.41   3807861.91       10.09495  (10020118)               465043.41
3807861.91        9.77275  (10020118)
        465063.41   3807861.91        9.45133  (10020118)               465083.41
3807861.91        9.12407  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 456
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                  INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                 L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                 L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                 L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465103.41	3807861.91	8.79592	(10020118)	465123.41	3807861.91	8.47395	(10020118)
465143.41	3807861.91	8.15079	(10020118)	465163.41	3807861.91	7.83096	(10020118)
465183.41	3807861.91	7.52092	(10020118)	465203.41	3807861.91	7.21781	(10020118)
465223.41	3807861.91	6.92072	(10020118)	465243.41	3807861.91	6.62539	(10020118)
465263.41	3807861.91	6.39427	(10102019)	465283.41	3807861.91	6.22296	(10102019)
465303.41	3807861.91	6.05138	(10102019)	465323.41	3807861.91	5.88211	(10102019)
465343.41	3807861.91	5.71418	(10102019)	465363.41	3807861.91	5.54383	(10102019)
465383.41	3807861.91	5.37869	(10102019)	464503.41	3807881.91	12.90657	(09030119)
464523.41	3807881.91	12.91041	(09030119)	464543.41	3807881.91	12.88477	(09030119)
464723.41	3807881.91	13.29315	(10020118)	464743.41	3807881.91	13.29773	(10020118)
464763.41	3807881.91	13.25558	(10020118)	464783.41	3807881.91	13.17196	(10020118)
464803.41	3807881.91	13.04782	(10020118)	464823.41	3807881.91	12.88501	(10020118)
464843.41	3807881.91	12.68793	(10020118)	464863.41	3807881.91	12.46104	(10020118)
464883.41	3807881.91	12.20523	(10020118)	464903.41	3807881.91	11.92819	(10020118)
464923.41	3807881.91	11.63290	(10020118)	464943.41	3807881.91	11.31674	(10020118)
464963.41	3807881.91	10.99204	(10020118)	464983.41	3807881.91	10.65868	(10020118)
465003.41	3807881.91	10.31251	(10020118)	465023.41	3807881.91	9.96639	(10020118)
465043.41	3807881.91	9.61904	(10020118)	465063.41	3807881.91	9.26527	(10020118)
465083.41	3807881.91	8.91782	(10020118)	465103.41	3807881.91	8.57453	(10020118)
465123.41	3807881.91	8.22954	(10020118)	465143.41			

3807881.91 7.89505 (10020118)
  465163.41 3807881.91 7.56825 (10020118) 465183.41
3807881.91 7.24301 (10020118)
  465203.41 3807881.91 6.93167 (10020118) 465223.41
3807881.91 6.67435 (10102019)
  465243.41 3807881.91 6.48946 (10102019) 465263.41
3807881.91 6.30653 (10102019)
  465283.41 3807881.91 6.12444 (10102019) 465303.41
3807881.91 5.93899 (10102019)
  465323.41 3807881.91 5.76072 (10102019) 465343.41
3807881.91 5.58699 (10102019)
  465363.41 3807881.91 5.41547 (10102019) 465383.41
3807881.91 5.24376 (10102019)
  464723.41 3807901.91 13.94978 (10020118) 464743.41
3807901.91 13.87681 (10020118)
  464763.41 3807901.91 13.76222 (10020118) 464783.41
3807901.91 13.60452 (10020118)
  464803.41 3807901.91 13.40812 (10020118) 464823.41
3807901.91 13.17665 (10020118)
  464843.41 3807901.91 12.91404 (10020118) 464863.41
3807901.91 12.62545 (10020118)
  464883.41 3807901.91 12.31066 (10020118) 464903.41
3807901.91 11.97679 (10020118)
  464923.41 3807901.91 11.62943 (10020118) 464943.41
3807901.91 11.27081 (10020118)
  464963.41 3807901.91 10.90691 (10020118) 464983.41
3807901.91 10.53728 (10020118)
  465003.41 3807901.91 10.15673 (10020118) 465023.41
3807901.91 9.77829 (10020118)
  465043.41 3807901.91 9.40303 (10020118) 465063.41
3807901.91 9.03126 (10020118)
  465083.41 3807901.91 8.66394 (10020118) 465103.41
3807901.91 8.30273 (10020118)
  465123.41 3807901.91 7.94910 (10020118) 465143.41
3807901.91 7.60340 (10020118)
  465163.41 3807901.91 7.26673 (10020118) 465183.41
3807901.91 6.97403 (10102019)
  465203.41 3807901.91 6.77490 (10102019) 465223.41
3807901.91 6.57782 (10102019)
  465243.41 3807901.91 6.37906 (10102019) 465263.41
3807901.91 6.18579 (10102019)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: IDLE   ***
                                INCLUDING SOURCE(S):   L0005936   , L0005937
, L0005938   , L0005939   , L0005940   ,
                L0005941   , L0005942   , L0005943   , L0005944   , L0005945
, L0005946   , L0005947   , L0005948   ,
                L0005949   , L0005950   , L0005951   , L0005952   , L0005953
, L0005954   , L0005955   , L0005956   ,
                L0005957   , L0005958   , L0005959   , L0005960   , L0005961
, L0005962   , L0005963   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465283.41   3807901.91   5.99621 (10102019)   465303.41
3807901.91   5.80659 (10102019)
        465323.41   3807901.91   5.62030 (10102019)   465343.41
3807901.91   5.43838 (10102019)
        465363.41   3807901.91   5.26363 (10102019)   465383.41
3807901.91   5.09059 (10102019)
        464723.41   3807921.91   14.54097 (10020118)   464743.41
3807921.91   14.38592 (10020118)
        464763.41   3807921.91   14.19132 (10020118)   464783.41
3807921.91   13.95576 (10020118)
        464803.41   3807921.91   13.68476 (10020118)   464823.41
3807921.91   13.38295 (10020118)
        464843.41   3807921.91   13.05426 (10020118)   464863.41
3807921.91   12.70380 (10020118)
        464883.41   3807921.91   12.33124 (10020118)   464903.41
3807921.91   11.94368 (10020118)
        464923.41   3807921.91   11.54771 (10020118)   464943.41
3807921.91   11.15167 (10020118)
        464963.41   3807921.91   10.75046 (10020118)   464983.41
3807921.91   10.34628 (10020118)
        465003.41   3807921.91   9.93673 (10020118)   465023.41
3807921.91   9.53156 (10020118)
        465043.41   3807921.91   9.13339 (10020118)   465063.41
3807921.91   8.74732 (10020118)
        465083.41   3807921.91   8.36477 (10020118)   465103.41
3807921.91   7.99057 (10020118)
        465123.41   3807921.91   7.63158 (10020118)   465143.41
3807921.91   7.30270 (10102019)
        465163.41   3807921.91   7.08248 (10102019)   465183.41
3807921.91   6.86908 (10102019)

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        465203.41   3807921.91        6.65923  (10102019)               465223.41
3807921.91        6.45168  (10102019)
        465243.41   3807921.91        6.24170  (10102019)               465263.41
3807921.91        6.03894  (10102019)
        465283.41   3807921.91        5.84227  (10102019)               465303.41
3807921.91        5.65109  (10102019)
        465323.41   3807921.91        5.46000  (10102019)               465343.41
3807921.91        5.27267  (10102019)
        465363.41   3807921.91        5.09517  (10102019)               465383.41
3807921.91        4.92134  (10102019)
        464723.41   3807941.91       15.03805  (10020118)               464743.41
3807941.91       14.80892  (10020118)
        464763.41   3807941.91       14.52842  (10020118)               464783.41
3807941.91       14.21316  (10020118)
        464803.41   3807941.91       13.86681  (10020118)               464823.41
3807941.91       13.49508  (10020118)
        464843.41   3807941.91       13.10063  (10020118)               464863.41
3807941.91       12.68679  (10020118)
        464883.41   3807941.91       12.25757  (10020118)               464903.41
3807941.91       11.82586  (10020118)
        464923.41   3807941.91       11.39283  (10020118)               464943.41
3807941.91       10.95915  (10020118)
        464963.41   3807941.91       10.52081  (10020118)               464983.41
3807941.91       10.08278  (10020118)
        465003.41   3807941.91        9.64875  (10020118)               465023.41
3807941.91        9.22868  (10020118)
        465043.41   3807941.91        8.81933  (10020118)               465063.41
3807941.91        8.41335  (10020118)
        465083.41   3807941.91        8.02402  (10020118)               465103.41
3807941.91        7.66032  (10102019)
        465123.41   3807941.91        7.42026  (10102019)               465143.41
3807941.91        7.18769  (10102019)
        465163.41   3807941.91        6.95931  (10102019)               465183.41
3807941.91        6.72839  (10102019)
        465203.41   3807941.91        6.50741  (10102019)               465223.41
3807941.91        6.29293  (10102019)
        465243.41   3807941.91        6.08193  (10102019)               465263.41
3807941.91        5.87141  (10102019)
        465283.41   3807941.91        5.66540  (10102019)               465303.41
3807941.91        5.47072  (10102019)
        465323.41   3807941.91        5.28032  (10102019)               465343.41
3807941.91        5.09521  (10102019)
        465363.41   3807941.91        4.91620  (10102019)               465383.41
3807941.91        4.73840  (10102019)
        465403.41   3807941.91        4.56511  (10102019)               465423.41
3807941.91        4.40151  (10102019)
        465443.41   3807941.91        4.24379  (10102019)               465463.41
3807941.91        4.09272  (10102019)
        465483.41   3807941.91        3.94463  (10102019)               465503.41
3807941.91        3.80223  (10102019)
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                  L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                  L0005949   , L0005950   , L0005951   , L0005952   , L0005953 , L0005954   , L0005955   , L0005956   ,
                  L0005957   , L0005958   , L0005959   , L0005960   , L0005961 , L0005962   , L0005963   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3807961.91       10.68715  (10020118)
        464963.41   3807961.91       10.22266  (10020118)                464983.41
3807961.91        9.76555  (10020118)
        465003.41   3807961.91        9.31334  (10020118)                465023.41
3807961.91        8.88003  (10020118)
        465043.41   3807961.91        8.46089  (10020118)                465063.41
3807961.91        8.04633  (10102019)
        465083.41   3807961.91        7.78789  (10102019)                465103.41
3807961.91        7.53432  (10102019)
        465123.41   3807961.91        7.28468  (10102019)                465143.41
3807961.91        7.03890  (10102019)
        465163.41   3807961.91        6.79779  (10102019)                465183.41
3807961.91        6.56204  (10102019)
        465203.41   3807961.91        6.33137  (10102019)                465223.41
3807961.91        6.10709  (10102019)
        465243.41   3807961.91        5.89268  (10102019)                465263.41
3807961.91        5.68118  (10102019)
        465283.41   3807961.91        5.47506  (10102019)                465303.41
3807961.91        5.27830  (10102019)
        465323.41   3807961.91        5.08463  (10102019)                465343.41
3807961.91        4.89653  (10102019)
        465363.41   3807961.91        4.71781  (10102019)                465383.41
3807961.91        4.54274  (10102019)
        465403.41   3807961.91        4.37253  (10102019)                465423.41
3807961.91        4.20797  (10102019)
        465443.41   3807961.91        4.05154  (10102019)                465463.41
3807961.91        3.90607  (10102019)
        465483.41   3807961.91        3.76320  (09010519)                465503.41
3807961.91        3.73708  (09010519)
        465523.41   3807961.91        3.71106  (09010519)                465543.41
3807961.91        3.68253  (09010519)
        465563.41   3807961.91        3.65567  (09010519)                465583.41
3807961.91        3.62894  (09010519)
        465603.41   3807961.91        3.59961  (09010519)                465623.41
3807961.91        3.57033  (09010519)
        465643.41   3807961.91        3.54104  (09010519)                465663.41
3807961.91        3.51143  (09010519)
        465683.41   3807961.91        3.48196  (09010519)                465703.41
3807961.91        3.45307  (09010519)
        464743.41   3807981.91       15.28551  (10020118)                464763.41
3807981.91       14.87034  (10020118)
        464783.41   3807981.91       14.40441  (10020118)                464803.41
3807981.91       13.91442  (10020118)
        464823.41   3807981.91       13.40524  (10020118)                464843.41
3807981.91       12.89297  (10020118)
        464863.41   3807981.91       12.37938  (10020118)                464883.41
3807981.91       11.85759  (10020118)
        464903.41   3807981.91       11.34702  (10020118)                464923.41
3807981.91       10.84533  (10020118)
        464943.41   3807981.91       10.34548  (10020118)                464963.41
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3807981.91 9.86107 (10020118)
  464983.41 3807981.91 9.39051 (10020118) 465003.41
3807981.91 8.92852 (10020118)
  465023.41 3807981.91 8.48586 (10020118) 465043.41
3807981.91 8.19552 (10102019)
  465063.41 3807981.91 7.91689 (10102019) 465083.41
3807981.91 7.64088 (10102019)
  465103.41 3807981.91 7.37102 (10102019) 465123.41
3807981.91 7.11553 (10102019)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465143.41	3807981.91	6.85867	(10102019)	465163.41	3807981.91	6.60617	(10102019)
465183.41	3807981.91	6.36703	(10102019)	465203.41	3807981.91	6.13025	(10102019)
465223.41	3807981.91	5.89992	(10102019)	465243.41	3807981.91	5.68285	(10102019)
465263.41	3807981.91	5.47240	(10102019)	465283.41	3807981.91	5.26835	(10102019)
465303.41	3807981.91	5.06964	(10102019)	465323.41	3807981.91	4.87441	(10102019)
465343.41	3807981.91	4.68547	(10102019)	465363.41	3807981.91	4.50706	(10102019)

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        465383.41   3807981.91        4.33596  (10102019)               465403.41
3807981.91        4.17072  (10102019)
        465423.41   3807981.91        4.00729  (10102019)               465443.41
3807981.91        3.97524  (09010519)
        465463.41   3807981.91        3.95308  (09010519)               465483.41
3807981.91        3.91845  (09010519)
        465503.41   3807981.91        3.88716  (09010519)               465523.41
3807981.91        3.85710  (09010519)
        465543.41   3807981.91        3.82585  (09010519)               465563.41
3807981.91        3.79529  (09010519)
        465583.41   3807981.91        3.76410  (09010519)               465603.41
3807981.91        3.72895  (09010519)
        465623.41   3807981.91        3.69630  (09010519)               465643.41
3807981.91        3.66421  (09010519)
        465663.41   3807981.91        3.62914  (09010519)               465683.41
3807981.91        3.59746  (09010519)
        465703.41   3807981.91        3.56716  (09010519)               464763.41
3808001.91       14.83299  (10020118)
        464783.41   3808001.91       14.31245  (10020118)               464803.41
3808001.91       13.76447  (10020118)
        464823.41   3808001.91       13.19428  (10020118)               464843.41
3808001.91       12.63255  (10020118)
        464863.41   3808001.91       12.07668  (10020118)               464883.41
3808001.91       11.51800  (10020118)
        464903.41   3808001.91       10.97831  (10020118)               464923.41
3808001.91       10.45459  (10020118)
        464943.41   3808001.91        9.94369  (10020118)               464963.41
3808001.91        9.44287  (10020118)
        464983.41   3808001.91        8.95780  (10020118)               465003.41
3808001.91        8.62922  (10102019)
        465023.41   3808001.91        8.32736  (10102019)               465043.41
3808001.91        8.02944  (10102019)
        465063.41   3808001.91        7.74385  (10102019)               465083.41
3808001.91        7.45830  (10102019)
        465103.41   3808001.91        7.17843  (10102019)               465123.41
3808001.91        6.91451  (10102019)
        465143.41   3808001.91        6.65094  (10102019)               465163.41
3808001.91        6.39198  (10102019)
        465183.41   3808001.91        6.14198  (10102019)               465203.41
3808001.91        5.90499  (10102019)
        465223.41   3808001.91        5.67843  (10102019)               465243.41
3808001.91        5.46042  (10102019)
        465263.41   3808001.91        5.24988  (10102019)               465283.41
3808001.91        5.04551  (10102019)
        465303.41   3808001.91        4.84285  (10102019)               465323.41
3808001.91        4.65172  (10102019)
        465343.41   3808001.91        4.46878  (10102019)               465363.41
3808001.91        4.28838  (10102019)
        465383.41   3808001.91        4.24485  (09010519)               465403.41
3808001.91        4.21124  (09010519)
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        465423.41   3808001.91        4.17657  (09010519)               465443.41
3808001.91        4.14231  (09010519)
        465463.41   3808001.91        4.10952  (09010519)               465483.41
3808001.91        4.07417  (09010519)
        465503.41   3808001.91        4.03943  (09010519)               465523.41
3808001.91        4.00393  (09010519)
        465543.41   3808001.91        3.96382  (09010519)               465563.41
3808001.91        3.92751  (09010519)
        465583.41   3808001.91        3.89301  (09010519)               465603.41
3808001.91        3.85770  (09010519)
        465623.41   3808001.91        3.81948  (09010519)               465643.41
3808001.91        3.78085  (09010519)
        465663.41   3808001.91        3.74600  (09010519)               465683.41
3808001.91        3.71195  (09010519)
        465703.41   3808001.91        3.67742  (09010519)               464763.41
3808021.91       14.62598  (10020118)
        464783.41   3808021.91       14.05994  (10020118)               464803.41
3808021.91       13.47510  (10020118)
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                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                  INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464823.41   3808021.91       12.87019  (10020118)               464843.41
3808021.91       12.27257  (10020118)
        464863.41   3808021.91       11.68436  (10020118)               464883.41
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3808021.91 11.10511 (10020118)
464903.41 3808021.91 10.54161 (10020118) 464923.41
3808021.91 9.99716 (10020118)
464943.41 3808021.91 9.47747 (10020118) 464963.41
3808021.91 9.10184 (10102019)
464983.41 3808021.91 8.77339 (10102019) 465003.41
3808021.91 8.45037 (10102019)
465023.41 3808021.91 8.13489 (10102019) 465043.41
3808021.91 7.82687 (10102019)
465063.41 3808021.91 7.52629 (10102019) 465083.41
3808021.91 7.23437 (10102019)
465103.41 3808021.91 6.95122 (10102019) 465123.41
3808021.91 6.67637 (10102019)
465143.41 3808021.91 6.41076 (10102019) 465163.41
3808021.91 6.15351 (10102019)
465183.41 3808021.91 5.90075 (10102019) 465203.41
3808021.91 5.66375 (10102019)
465223.41 3808021.91 5.43771 (10102019) 465243.41
3808021.91 5.21619 (10102019)
465263.41 3808021.91 5.00622 (10102019) 465283.41
3808021.91 4.80527 (10102019)
465303.41 3808021.91 4.60904 (10102019) 465323.41
3808021.91 4.55024 (09010519)
465343.41 3808021.91 4.50748 (09010519) 465363.41
3808021.91 4.46477 (09010519)
465383.41 3808021.91 4.42459 (09010519) 465403.41
3808021.91 4.38474 (09010519)
465423.41 3808021.91 4.34141 (09010519) 465443.41
3808021.91 4.30077 (09010519)
465463.41 3808021.91 4.26671 (09010519) 465483.41
3808021.91 4.22354 (09010519)
465503.41 3808021.91 4.18308 (09010519) 465523.41
3808021.91 4.14327 (09010519)
465543.41 3808021.91 4.10087 (09010519) 465563.41
3808021.91 4.05848 (09010519)
465583.41 3808021.91 4.01696 (09010519) 465603.41
3808021.91 3.97855 (09010519)
465623.41 3808021.91 3.93814 (09010519) 465643.41
3808021.91 3.89761 (09010519)
465663.41 3808021.91 3.85994 (09010519) 465683.41
3808021.91 3.82022 (09010519)
465703.41 3808021.91 3.77987 (09010519) 464783.41
3808041.91 13.66881 (10020118)
464803.41 3808041.91 13.05846 (10020118) 464823.41
3808041.91 12.43628 (10020118)
464843.41 3808041.91 11.81630 (10020118) 464863.41
3808041.91 11.20836 (10020118)
464883.41 3808041.91 10.61773 (10020118) 464903.41
3808041.91 10.04136 (10020118)
464923.41 3808041.91 9.61086 (10102019) 464943.41

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3808041.91        9.25652  (10102019)
        464963.41   3808041.91        8.90913  (10102019)                464983.41
3808041.91        8.56765  (10102019)
        465003.41   3808041.91        8.22520  (10102019)                465023.41
3808041.91        7.89838  (10102019)
        465043.41   3808041.91        7.58313  (10102019)                465063.41
3808041.91        7.27222  (10102019)
        465083.41   3808041.91        6.97588  (10102019)                465103.41
3808041.91        6.69085  (10102019)
        465123.41   3808041.91        6.41077  (10102019)                465143.41
3808041.91        6.14506  (10102019)
        465163.41   3808041.91        5.89044  (10102019)                465183.41
3808041.91        5.64088  (10102019)
        465203.41   3808041.91        5.40497  (10102019)                465223.41
3808041.91        5.17955  (10102019)
        465243.41   3808041.91        4.95897  (10102019)                465263.41
3808041.91        4.88508  (09010519)
        465283.41   3808041.91        4.83884  (09010519)                465303.41
3808041.91        4.79384  (09010519)
        465323.41   3808041.91        4.74398  (09010519)                465343.41
3808041.91        4.69279  (09010519)
        465363.41   3808041.91        4.64597  (09010519)                465383.41
3808041.91        4.60021  (09010519)
        465403.41   3808041.91        4.55399  (09010519)                465423.41
3808041.91        4.50244  (09010519)
        465443.41   3808041.91        4.45549  (09010519)                465463.41
3808041.91        4.41932  (09010519)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                    INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                 L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                 L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                 L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465483.41	3808041.91	4.36856	(09010519)	465503.41	3808041.91	4.32137	(09010519)
465523.41	3808041.91	4.27632	(09010519)	465543.41	3808041.91	4.23269	(09010519)
465563.41	3808041.91	4.18531	(09010519)	465583.41	3808041.91	4.13756	(09010519)
465603.41	3808041.91	4.09504	(09010519)	465623.41	3808041.91	4.05285	(09010519)
465643.41	3808041.91	4.01080	(09010519)	465663.41	3808041.91	3.96802	(09010519)
465683.41	3808041.91	3.92285	(09010519)	465703.41	3808041.91	3.87785	(09010519)
464803.41	3808061.91	12.53848	(10020118)	464823.41	3808061.91	11.89533	(10020118)
464843.41	3808061.91	11.26759	(10020118)	464863.41	3808061.91	10.65681	(10020118)
464883.41	3808061.91	10.17906	(10102019)	464903.41	3808061.91	9.78701	(10102019)
464923.41	3808061.91	9.40354	(10102019)	464943.41	3808061.91	9.03083	(10102019)
464963.41	3808061.91	8.66813	(10102019)	464983.41	3808061.91	8.31413	(10102019)
465003.41	3808061.91	7.96188	(10102019)	465023.41	3808061.91	7.62219	(10102019)
465043.41	3808061.91	7.29640	(10102019)	465063.41	3808061.91	6.98939	(10102019)
465083.41	3808061.91	6.68845	(10102019)	465103.41	3808061.91	6.39808	(10102019)
465123.41	3808061.91	6.12570	(10102019)	465143.41	3808061.91	5.85933	(10102019)
465163.41	3808061.91	5.60304	(10102019)	465183.41	3808061.91	5.36348	(10102019)
465203.41	3808061.91	5.26873	(09010519)	465223.41	3808061.91	5.20923	(09010519)
465243.41	3808061.91	5.15558	(09010519)	465263.41	3808061.91	5.09706	(09010519)
465283.41	3808061.91	5.03787	(09010519)	465303.41	3808061.91	4.98571	(09010519)
465323.41	3808061.91	4.93262	(09010519)	465343.41	3808061.91	4.87830	(09010519)
465363.41	3808061.91	4.81857	(09010519)	465383.41	3808061.91	4.76476	(09010519)
465403.41	3808061.91	4.71347	(09010519)	465423.41	3808061.91	4.66154	(09010519)

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        465443.41   3808061.91        4.61075  (09010519)               465463.41
3808061.91        4.56232  (09010519)
        465483.41   3808061.91        4.51138  (09010519)               465503.41
3808061.91        4.45703  (09010519)
        465523.41   3808061.91        4.40261  (09010519)               465543.41
3808061.91        4.35443  (09010519)
        465563.41   3808061.91        4.30600  (09010519)               465583.41
3808061.91        4.25784  (09010519)
        465603.41   3808061.91        4.21107  (09010519)               465623.41
3808061.91        4.16479  (09010519)
        465643.41   3808061.91        4.11794  (09010519)               465663.41
3808061.91        4.06667  (09010519)
        465683.41   3808061.91        4.01943  (09010519)               465703.41
3808061.91        3.97457  (09010519)
        464823.41   3808081.91       11.28516  (10020118)               464843.41
3808081.91       10.76329  (10102019)
        464863.41   3808081.91       10.34261  (10102019)               464883.41
3808081.91        9.93127  (10102019)
        464903.41   3808081.91        9.52973  (10102019)               464923.41
3808081.91        9.13728  (10102019)
        464943.41   3808081.91        8.75112  (10102019)               464963.41
3808081.91        8.37363  (10102019)
        464983.41   3808081.91        8.00787  (10102019)               465003.41
3808081.91        7.65610  (10102019)
        465023.41   3808081.91        7.31401  (10102019)               465043.41
3808081.91        6.98552  (10102019)
        465063.41   3808081.91        6.67978  (10102019)               465083.41
3808081.91        6.37960  (10102019)
        465103.41   3808081.91        6.08979  (10102019)               465123.41
3808081.91        5.81677  (10102019)
        465143.41   3808081.91        5.70095  (09010519)               465163.41
3808081.91        5.63447  (09010519)
        465183.41   3808081.91        5.56753  (09010519)               465203.41
3808081.91        5.50103  (09010519)
        465223.41   3808081.91        5.43490  (09010519)               465243.41
3808081.91        5.36857  (09010519)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                    INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                 L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
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                 L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                 L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465263.41   3808081.91        5.30291  (09010519)               465283.41
3808081.91        5.23876  (09010519)
        465303.41   3808081.91        5.17903  (09010519)               465323.41
3808081.91        5.11607  (09010519)
        465343.41   3808081.91        5.05216  (09010519)               465363.41
3808081.91        4.98914  (09010519)
        465383.41   3808081.91        4.92994  (09010519)               465403.41
3808081.91        4.87187  (09010519)
        465423.41   3808081.91        4.81031  (09010519)               465443.41
3808081.91        4.75265  (09010519)
        465463.41   3808081.91        4.70343  (09010519)               465483.41
3808081.91        4.64394  (09010519)
        465503.41   3808081.91        4.58545  (09010519)               465523.41
3808081.91        4.52783  (09010519)
        465543.41   3808081.91        4.47058  (09010519)               465563.41
3808081.91        4.41711  (09010519)
        465583.41   3808081.91        4.36565  (09010519)               465603.41
3808081.91        4.31483  (09010519)
        465623.41   3808081.91        4.26464  (09010519)               465643.41
3808081.91        4.21442  (09010519)
        465663.41   3808081.91        4.16200  (09010519)               465683.41
3808081.91        4.11276  (09010519)
        465703.41   3808081.91        4.06463  (09010519)               464843.41
3808101.91       10.47974  (10102019)
        464863.41   3808101.91       10.04007  (10102019)               464883.41
3808101.91        9.62180  (10102019)
        464903.41   3808101.91        9.21233  (10102019)               464923.41
3808101.91        8.81242  (10102019)
        464943.41   3808101.91        8.41830  (10102019)               464963.41
3808101.91        8.03325  (10102019)
        464983.41   3808101.91        7.66225  (10102019)               465003.41
3808101.91        7.31278  (10102019)
        465023.41   3808101.91        6.97377  (10102019)               465043.41
3808101.91        6.64901  (10102019)
        465063.41   3808101.91        6.34436  (10102019)               465083.41
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3808101.91        6.19912  (09010519)
        465103.41   3808101.91        6.11567  (09010519)                465123.41
3808101.91        6.03417  (09010519)
        465143.41   3808101.91        5.95903  (09010519)                465163.41
3808101.91        5.88540  (09010519)
        465183.41   3808101.91        5.80270  (09010519)                465203.41
3808101.91        5.72670  (09010519)
        465223.41   3808101.91        5.65319  (09010519)                465243.41
3808101.91        5.57476  (09010519)
        465263.41   3808101.91        5.50298  (09010519)                465283.41
3808101.91        5.43454  (09010519)
        465303.41   3808101.91        5.36499  (09010519)                465323.41
3808101.91        5.29178  (09010519)
        465343.41   3808101.91        5.21867  (09010519)                465363.41
3808101.91        5.15167  (09010519)
        465383.41   3808101.91        5.08671  (09010519)                465403.41
3808101.91        5.02196  (09010519)
        465423.41   3808101.91        4.95156  (09010519)                465443.41
3808101.91        4.88732  (09010519)
        465463.41   3808101.91        4.83643  (09010519)                465483.41
3808101.91        4.76890  (09010519)
        465503.41   3808101.91        4.70617  (09010519)                465523.41
3808101.91        4.64518  (09010519)
        465543.41   3808101.91        4.58061  (09010519)                465563.41
3808101.91        4.52193  (09010519)
        465583.41   3808101.91        4.46632  (09010519)                465603.41
3808101.91        4.41150  (09010519)
        465623.41   3808101.91        4.35749  (09010519)                465643.41
3808101.91        4.30403  (09010519)
        465663.41   3808101.91        4.25010  (09010519)                465683.41
3808101.91        4.19804  (09010519)
        465703.41   3808101.91        4.14611  (09010519)                464863.41
3808121.91        9.69641  (10102019)
        464883.41   3808121.91        9.26611  (10102019)                464903.41
3808121.91        8.84129  (10102019)
        464923.41   3808121.91        8.42920  (10102019)                464943.41
3808121.91        8.03317  (10102019)
        464963.41   3808121.91        7.65343  (10102019)                464983.41
3808121.91        7.28931  (10102019)
        465003.41   3808121.91        6.93521  (10102019)                465023.41
3808121.91        6.76171  (09010519)
        465043.41   3808121.91        6.67218  (09010519)                465063.41
3808121.91        6.57571  (09010519)
        465083.41   3808121.91        6.47869  (09010519)                465103.41
3808121.91        6.38332  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465123.41	3808121.91	6.29774	(09010519)	465143.41	3808121.91	6.21393	(09010519)
465163.41	3808121.91	6.12943	(09010519)	465183.41	3808121.91	6.03593	(09010519)
465203.41	3808121.91	5.94445	(09010519)	465223.41	3808121.91	5.85623	(09010519)
465243.41	3808121.91	5.77640	(09010519)	465263.41	3808121.91	5.69861	(09010519)
465283.41	3808121.91	5.62062	(09010519)	465303.41	3808121.91	5.53560	(09010519)
465323.41	3808121.91	5.45743	(09010519)	465343.41	3808121.91	5.38176	(09010519)
465363.41	3808121.91	5.30051	(09010519)	465383.41	3808121.91	5.22711	(09010519)
465403.41	3808121.91	5.15743	(09010519)	465423.41	3808121.91	5.08770	(09010519)
465443.41	3808121.91	5.01997	(09010519)	465463.41	3808121.91	4.95563	(09010519)
465483.41	3808121.91	4.88894	(09010519)	465503.41	3808121.91	4.81887	(09010519)
465523.41	3808121.91	4.74916	(09010519)	465543.41	3808121.91	4.68595	(09010519)
465563.41	3808121.91	4.62473	(09010519)	465583.41	3808121.91	4.56491	(09010519)
465603.41	3808121.91	4.50606	(09010519)	465623.41	3808121.91	4.44818	(09010519)

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        465643.41   3808121.91        4.39003  (09010519)              465663.41
3808121.91        4.32725  (09010519)
        465683.41   3808121.91        4.27013  (09010519)              465703.41
3808121.91        4.21613  (09010519)
        464883.41   3808141.91        8.83961  (10102019)              464903.41
3808141.91        8.42131  (10102019)
        464923.41   3808141.91        8.01464  (10102019)              464943.41
3808141.91        7.62137  (10102019)
        464963.41   3808141.91        7.41317  (09010519)              464983.41
3808141.91        7.30736  (09010519)
        465003.41   3808141.91        7.19175  (09010519)              465023.41
3808141.91        7.08546  (09010519)
        465043.41   3808141.91        6.98218  (09010519)              465063.41
3808141.91        6.86943  (09010519)
        465083.41   3808141.91        6.75767  (09010519)              465103.41
3808141.91        6.64947  (09010519)
        465123.41   3808141.91        6.55357  (09010519)              465143.41
3808141.91        6.45426  (09010519)
        465163.41   3808141.91        6.35448  (09010519)              465183.41
3808141.91        6.25659  (09010519)
        465203.41   3808141.91        6.15587  (09010519)              465223.41
3808141.91        6.05671  (09010519)
        465243.41   3808141.91        5.96958  (09010519)              465263.41
3808141.91        5.87940  (09010519)
        465283.41   3808141.91        5.78897  (09010519)              465303.41
3808141.91        5.70048  (09010519)
        465323.41   3808141.91        5.61322  (09010519)              465343.41
3808141.91        5.52753  (09010519)
        465363.41   3808141.91        5.44377  (09010519)              465383.41
3808141.91        5.36530  (09010519)
        465403.41   3808141.91        5.28888  (09010519)              465423.41
3808141.91        5.20912  (09010519)
        465443.41   3808141.91        5.13456  (09010519)              465463.41
3808141.91        5.06338  (09010519)
        465483.41   3808141.91        4.99329  (09010519)              465503.41
3808141.91        4.92121  (09010519)
        465523.41   3808141.91        4.84904  (09010519)              465543.41
3808141.91        4.77782  (09010519)
        465563.41   3808141.91        4.71138  (09010519)              465583.41
3808141.91        4.64770  (09010519)
        465603.41   3808141.91        4.58516  (09010519)              465623.41
3808141.91        4.52374  (09010519)
        465643.41   3808141.91        4.46266  (09010519)              465663.41
3808141.91        4.39947  (09010519)
        465683.41   3808141.91        4.33725  (09010519)              465703.41
3808141.91        4.27696  (09010519)
        464883.41   3808161.91        8.36272  (10102019)              464903.41
3808161.91        8.13181  (09010519)
        464923.41   3808161.91        8.02029  (09010519)              464943.41
3808161.91        7.89661  (09010519)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                   L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                   L0005949   , L0005950   , L0005951   , L0005952   , L0005953 , L0005954   , L0005955   , L0005956   ,
                   L0005957   , L0005958   , L0005959   , L0005960   , L0005961 , L0005962   , L0005963   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465043.41   3808161.91   7.27653 (09010519)   465063.41   3808161.91   7.14876 (09010519)
        465083.41   3808161.91   7.02464 (09010519)   465103.41   3808161.91   6.90500 (09010519)
        465123.41   3808161.91   6.79428 (09010519)   465143.41   3808161.91   6.67981 (09010519)
        465163.41   3808161.91   6.56640 (09010519)   465183.41   3808161.91   6.46178 (09010519)
        465203.41   3808161.91   6.35357 (09010519)   465223.41   3808161.91   6.24646 (09010519)
        465243.41   3808161.91   6.14793 (09010519)   465263.41   3808161.91   6.04593 (09010519)
        465283.41   3808161.91   5.94503 (09010519)   465303.41   3808161.91   5.85242 (09010519)
        465323.41   3808161.91   5.75646 (09010519)   465343.41   3808161.91   5.66155 (09010519)
        465363.41   3808161.91   5.57463 (09010519)   465383.41

3808161.91 5.49086 (09010519)
465403.41 3808161.91 5.40806 (09010519) 465423.41
3808161.91 5.31946 (09010519)
465443.41 3808161.91 5.23862 (09010519) 465463.41
3808161.91 5.16205 (09010519)
465483.41 3808161.91 5.08524 (09010519) 465503.41
3808161.91 5.01138 (09010519)
465523.41 3808161.91 4.93807 (09010519) 465543.41
3808161.91 4.85969 (09010519)
465563.41 3808161.91 4.78843 (09010519) 465583.41
3808161.91 4.72108 (09010519)
465603.41 3808161.91 4.65504 (09010519) 465623.41
3808161.91 4.58905 (09010519)
465643.41 3808161.91 4.52424 (09010519) 465663.41
3808161.91 4.46203 (09010519)
465683.41 3808161.91 4.39632 (09010519) 465703.41
3808161.91 4.33081 (09010519)
464903.41 3808181.91 8.52391 (09010519) 464923.41
3808181.91 8.39380 (09010519)
464943.41 3808181.91 8.25055 (09010519) 464963.41
3808181.91 8.10945 (09010519)
464983.41 3808181.91 7.97015 (09010519) 465003.41
3808181.91 7.83170 (09010519)
465023.41 3808181.91 7.68874 (09010519) 465043.41
3808181.91 7.54475 (09010519)
465063.41 3808181.91 7.40161 (09010519) 465083.41
3808181.91 7.27006 (09010519)
465103.41 3808181.91 7.14367 (09010519) 465123.41
3808181.91 7.01095 (09010519)
465143.41 3808181.91 6.88828 (09010519) 465163.41
3808181.91 6.76998 (09010519)
465183.41 3808181.91 6.64555 (09010519) 465203.41
3808181.91 6.53084 (09010519)
465223.41 3808181.91 6.42033 (09010519) 465243.41
3808181.91 6.30388 (09010519)
465263.41 3808181.91 6.19677 (09010519) 465283.41
3808181.91 6.09367 (09010519)
465303.41 3808181.91 5.98479 (09010519) 465323.41
3808181.91 5.88486 (09010519)
465343.41 3808181.91 5.78871 (09010519) 465363.41
3808181.91 5.68697 (09010519)
465383.41 3808181.91 5.59506 (09010519) 465403.41
3808181.91 5.50812 (09010519)
465423.41 3808181.91 5.42180 (09010519) 465443.41
3808181.91 5.33839 (09010519)
465463.41 3808181.91 5.25559 (09010519) 465483.41
3808181.91 5.16687 (09010519)
465503.41 3808181.91 5.08638 (09010519) 465523.41
3808181.91 5.01053 (09010519)
465543.41 3808181.91 4.93489 (09010519) 465563.41

3808181.91 4.86193 (09010519)
  465583.41 3808181.91 4.79095 (09010519) 465603.41
3808181.91 4.72144 (09010519)
  465623.41 3808181.91 4.64796 (09010519) 465643.41
3808181.91 4.57497 (09010519)
  465663.41 3808181.91 4.51001 (09010519) 465683.41
3808181.91 4.44559 (09010519)
  465703.41 3808181.91 4.38095 (09010519) 464923.41
3808201.91 8.73163 (09010519)
  464943.41 3808201.91 8.57912 (09010519) 464963.41
3808201.91 8.42280 (09010519)
  464983.41 3808201.91 8.26654 (09010519) 465003.41
3808201.91 8.11362 (09010519)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465023.41	3808201.91	7.95348	(09010519)	465043.41	3808201.91	7.79315	(09010519)
465063.41	3808201.91	7.64380	(09010519)	465083.41	3808201.91	7.49733	(09010519)
465103.41	3808201.91	7.35418	(09010519)	465123.41	3808201.91	7.21547	(09010519)
465143.41	3808201.91	7.07948	(09010519)	465163.41	3808201.91	6.94686	(09010519)

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        465183.41   3808201.91        6.81797  (09010519)               465203.41
3808201.91        6.69184  (09010519)
        465223.41   3808201.91        6.56885  (09010519)               465243.41
3808201.91        6.44936  (09010519)
        465263.41   3808201.91        6.33241  (09010519)               465283.41
3808201.91        6.21837  (09010519)
        465303.41   3808201.91        6.10757  (09010519)               465323.41
3808201.91        5.99912  (09010519)
        465343.41   3808201.91        5.89335  (09010519)               465363.41
3808201.91        5.79058  (09010519)
        465383.41   3808201.91        5.68996  (09010519)               465403.41
3808201.91        5.59275  (09010519)
        465423.41   3808201.91        5.50332  (09010519)               465443.41
3808201.91        5.41592  (09010519)
        465463.41   3808201.91        5.32963  (09010519)               465483.41
3808201.91        5.24074  (09010519)
        465503.41   3808201.91        5.15766  (09010519)               465523.41
3808201.91        5.07813  (09010519)
        465543.41   3808201.91        5.00038  (09010519)               465563.41
3808201.91        4.92067  (09010519)
        465583.41   3808201.91        4.84221  (09010519)               465603.41
3808201.91        4.76974  (09010519)
        465623.41   3808201.91        4.69568  (09010519)               465643.41
3808201.91        4.62276  (09010519)
        465663.41   3808201.91        4.55511  (09010519)               465683.41
3808201.91        4.48567  (09010519)
        465703.41   3808201.91        4.41647  (09010519)               464943.41
3808221.91        8.87930  (09010519)
        464963.41   3808221.91        8.70954  (09010519)               464983.41
3808221.91        8.53627  (09010519)
        465003.41   3808221.91        8.36741  (09010519)               465023.41
3808221.91        8.19356  (09010519)
        465043.41   3808221.91        8.02181  (09010519)               465063.41
3808221.91        7.86324  (09010519)
        465083.41   3808221.91        7.69961  (09010519)               465103.41
3808221.91        7.53913  (09010519)
        465123.41   3808221.91        7.39679  (09010519)               465143.41
3808221.91        7.24949  (09010519)
        465163.41   3808221.91        7.10382  (09010519)               465183.41
3808221.91        6.96994  (09010519)
        465203.41   3808221.91        6.83318  (09010519)               465223.41
3808221.91        6.69898  (09010519)
        465243.41   3808221.91        6.57589  (09010519)               465263.41
3808221.91        6.44988  (09010519)
        465283.41   3808221.91        6.32615  (09010519)               465303.41
3808221.91        6.21286  (09010519)
        465323.41   3808221.91        6.09664  (09010519)               465343.41
3808221.91        5.98246  (09010519)
        465363.41   3808221.91        5.87807  (09010519)               465383.41
3808221.91        5.77075  (09010519)
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        465403.41   3808221.91        5.66565  (09010519)               465423.41
3808221.91        5.57182  (09010519)
        465443.41   3808221.91        5.48027  (09010519)               465463.41
3808221.91        5.39092  (09010519)
        465483.41   3808221.91        5.30372  (09010519)               465503.41
3808221.91        5.21707  (09010519)
        465523.41   3808221.91        5.13236  (09010519)               465543.41
3808221.91        5.05131  (09010519)
        465563.41   3808221.91        4.96634  (09010519)               465583.41
3808221.91        4.88237  (09010519)
        465603.41   3808221.91        4.80722  (09010519)               465623.41
3808221.91        4.73246  (09010519)
        465643.41   3808221.91        4.65930  (09010519)               465663.41
3808221.91        4.58926  (09010519)
        465683.41   3808221.91        4.51569  (09010519)               465703.41
3808221.91        4.44262  (09010519)
        464963.41   3808241.91        8.96541  (09010519)               464983.41
3808241.91        8.77589  (09010519)
        465003.41   3808241.91        8.59183  (09010519)               465023.41
3808241.91        8.41115  (09010519)
        465043.41   3808241.91        8.23307  (09010519)               465063.41
3808241.91        8.04925  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 466
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                  INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465083.41   3808241.91        7.86947  (09010519)                465103.41
3808241.91        7.69716  (09010519)
        465123.41   3808241.91        7.54481  (09010519)                465143.41
3808241.91        7.39499  (09010519)
        465163.41   3808241.91        7.24700  (09010519)                465183.41
3808241.91        7.09325  (09010519)
        465203.41   3808241.91        6.95206  (09010519)                465223.41
3808241.91        6.81687  (09010519)
        465243.41   3808241.91        6.67598  (09010519)                465263.41
3808241.91        6.54680  (09010519)
        465283.41   3808241.91        6.42310  (09010519)                465303.41
3808241.91        6.29379  (09010519)
        465323.41   3808241.91        6.17539  (09010519)                465343.41
3808241.91        6.06200  (09010519)
        465363.41   3808241.91        5.94311  (09010519)                465383.41
3808241.91        5.83439  (09010519)
        465403.41   3808241.91        5.73229  (09010519)                465423.41
3808241.91        5.63423  (09010519)
        465443.41   3808241.91        5.53867  (09010519)                465463.41
3808241.91        5.44555  (09010519)
        465483.41   3808241.91        5.35477  (09010519)                465503.41
3808241.91        5.25952  (09010519)
        465523.41   3808241.91        5.16540  (09010519)                465543.41
3808241.91        5.08168  (09010519)
        465563.41   3808241.91        4.99903  (09010519)                465583.41
3808241.91        4.91810  (09010519)
        465603.41   3808241.91        4.84040  (09010519)                465623.41
3808241.91        4.75868  (09010519)
        465643.41   3808241.91        4.67782  (09010519)                465663.41
3808241.91        4.60589  (09010519)
        465683.41   3808241.91        4.53479  (09010519)                465703.41
3808241.91        4.46370  (09010519)
        464983.41   3808261.91        8.94635  (09010519)                465003.41
3808261.91        8.76155  (09010519)
        465023.41   3808261.91        8.57443  (09010519)                465043.41
3808261.91        8.38753  (09010519)
        465063.41   3808261.91        8.19921  (09010519)                465083.41
3808261.91        8.01704  (09010519)
        465103.41   3808261.91        7.84049  (09010519)                465123.41
3808261.91        7.66851  (09010519)
        465143.41   3808261.91        7.50890  (09010519)                465163.41
3808261.91        7.35555  (09010519)
        465183.41   3808261.91        7.20049  (09010519)                465203.41
3808261.91        7.04952  (09010519)
        465223.41   3808261.91        6.90323  (09010519)                465243.41
3808261.91        6.76192  (09010519)
        465263.41   3808261.91        6.63013  (09010519)                465283.41
3808261.91        6.50199  (09010519)
        465303.41   3808261.91        6.36500  (09010519)                465323.41
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        465343.41   3808261.91        6.11497  (09010519)                465363.41
3808261.91        5.99718  (09010519)
        465383.41   3808261.91        5.88237  (09010519)                465403.41
3808261.91        5.77191  (09010519)
        465423.41   3808261.91        5.67047  (09010519)                465443.41
3808261.91        5.57174  (09010519)
        465463.41   3808261.91        5.47582  (09010519)                465483.41
3808261.91        5.38222  (09010519)
        465503.41   3808261.91        5.28716  (09010519)                465523.41
3808261.91        5.19395  (09010519)
        465543.41   3808261.91        5.10769  (09010519)                465563.41
3808261.91        5.01966  (09010519)
        465583.41   3808261.91        4.93329  (09010519)                465603.41
3808261.91        4.85364  (09010519)
        465623.41   3808261.91        4.77500  (10032206)                465643.41
3808261.91        4.70284  (10032206)
        465663.41   3808261.91        4.63192  (10032206)                465683.41
3808261.91        4.56615  (10032206)
        465703.41   3808261.91        4.50256  (10032206)                465003.41
3808281.91        8.88792  (09010519)
        465023.41   3808281.91        8.69570  (09010519)                465043.41
3808281.91        8.50365  (09010519)
        465063.41   3808281.91        8.31078  (09010519)                465083.41
3808281.91        8.12979  (09010519)
        465103.41   3808281.91        7.95411  (09010519)                465123.41
3808281.91        7.76827  (09010519)
        465143.41   3808281.91        7.59878  (09010519)                465163.41
3808281.91        7.43931  (09010519)
        465183.41   3808281.91        7.28202  (09010519)                465203.41
3808281.91        7.12255  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 467
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                  INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465223.41	3808281.91	6.96751	(09010519)	465243.41	3808281.91	6.82851	(09010519)
465263.41	3808281.91	6.69158	(09010519)	465283.41	3808281.91	6.55585	(09010519)
465303.41	3808281.91	6.41395	(09010519)	465323.41	3808281.91	6.27847	(09010519)
465343.41	3808281.91	6.14988	(09010519)	465363.41	3808281.91	6.03258	(09010519)
465383.41	3808281.91	5.91266	(09010519)	465403.41	3808281.91	5.79526	(09010519)
465423.41	3808281.91	5.68827	(09010519)	465443.41	3808281.91	5.59382	(10032206)
465463.41	3808281.91	5.50938	(10032206)	465483.41	3808281.91	5.42314	(10032206)
465503.41	3808281.91	5.33901	(10032206)	465523.41	3808281.91	5.25659	(10032206)
465543.41	3808281.91	5.17429	(10032206)	465563.41	3808281.91	5.08932	(10032206)
465583.41	3808281.91	5.00599	(10032206)	465603.41	3808281.91	4.93196	(10032206)
465623.41	3808281.91	4.85823	(10032206)	465643.41	3808281.91	4.78456	(10032206)
465663.41	3808281.91	4.70744	(10032206)	465683.41	3808281.91	4.63645	(10032206)
465703.41	3808281.91	4.56952	(10032206)	465003.41	3808301.91	8.97893	(09010519)
465023.41	3808301.91	8.78460	(09010519)	465043.41	3808301.91	8.59455	(09010519)
465063.41	3808301.91	8.37721	(09010519)	465083.41	3808301.91	8.19454	(09010519)
465103.41	3808301.91	8.02596	(09010519)	465123.41	3808301.91	7.84581	(09010519)
465143.41	3808301.91	7.67363	(09010519)	465163.41	3808301.91	7.50534	(09010519)
465183.41	3808301.91	7.32967	(09010519)	465203.41	3808301.91	7.16896	(09010519)
465223.41	3808301.91	7.01838	(09010519)	465243.41	3808301.91	6.87446	(09010519)
465263.41	3808301.91	6.73904	(10032206)	465283.41	3808301.91	6.60333	(10032206)

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        465303.41   3808301.91        6.46973  (10032206)               465323.41
3808301.91        6.34932  (10032206)
        465343.41   3808301.91        6.23496  (10032206)               465363.41
3808301.91        6.11461  (10032206)
        465383.41   3808301.91        6.00512  (10032206)               465403.41
3808301.91        5.90048  (10032206)
        465423.41   3808301.91        5.78997  (10032206)               465443.41
3808301.91        5.69103  (10032206)
        465463.41   3808301.91        5.61566  (10032206)               465483.41
3808301.91        5.52495  (10032206)
        465503.41   3808301.91        5.43656  (10032206)               465523.41
3808301.91        5.34865  (10032206)
        465543.41   3808301.91        5.25471  (10032206)               465563.41
3808301.91        5.16886  (10032206)
        465583.41   3808301.91        5.08815  (10032206)               465603.41
3808301.91        5.01079  (10032206)
        465623.41   3808301.91        4.92900  (10032206)               465643.41
3808301.91        4.84785  (10032206)
        465663.41   3808301.91        4.77477  (10032206)               465683.41
3808301.91        4.69852  (10032206)
        465703.41   3808301.91        4.62339  (10032206)               465043.41
3808321.91        8.63373  (09010519)
        465063.41   3808321.91        8.43347  (10032206)               465083.41
3808321.91        8.26323  (10032206)
        465103.41   3808321.91        8.09948  (10032206)               465123.41
3808321.91        7.93254  (10032206)
        465143.41   3808321.91        7.77104  (10032206)               465163.41
3808321.91        7.61303  (10032206)
        465183.41   3808321.91        7.45313  (10032206)               465203.41
3808321.91        7.30428  (10032206)
        465223.41   3808321.91        7.16124  (10032206)               465243.41
3808321.91        7.01498  (10032206)
        465263.41   3808321.91        6.86830  (10032206)               465283.41
3808321.91        6.72522  (10032206)
        465303.41   3808321.91        6.59364  (10032206)               465323.41
3808321.91        6.46564  (10032206)
        465343.41   3808321.91        6.34156  (10032206)               465363.41
3808321.91        6.22172  (10032206)
        465383.41   3808321.91        6.10501  (10032206)               465403.41
3808321.91        5.99177  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 468
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
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INCLUDING SOURCE(S): L0005936 , L0005937
, L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945
, L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953
, L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961
, L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465423.41	3808321.91	5.88230	(10032206)	465443.41	3808321.91	5.78075	(10032206)
465463.41	3808321.91	5.69402	(10032206)	465483.41	3808321.91	5.59967	(10032206)
465503.41	3808321.91	5.50784	(10032206)	465523.41	3808321.91	5.41732	(10032206)
465543.41	3808321.91	5.32448	(10032206)	465563.41	3808321.91	5.23811	(10032206)
465583.41	3808321.91	5.15470	(10032206)	465603.41	3808321.91	5.06852	(10032206)
465623.41	3808321.91	4.98497	(10032206)	465643.41	3808321.91	4.90377	(10032206)
465663.41	3808321.91	4.82419	(10032206)	465683.41	3808321.91	4.74698	(10032206)
465703.41	3808321.91	4.67190	(10032206)	465083.41	3808341.91	8.44217	(10032206)
465103.41	3808341.91	8.26058	(10032206)	465123.41	3808341.91	8.08919	(10032206)
465143.41	3808341.91	7.92028	(10032206)	465163.41	3808341.91	7.75582	(10032206)
465183.41	3808341.91	7.59685	(10032206)	465203.41	3808341.91	7.44062	(10032206)
465223.41	3808341.91	7.28660	(10032206)	465243.41	3808341.91	7.12891	(10032206)
465263.41	3808341.91	6.97380	(10032206)	465283.41	3808341.91	6.82535	(10032206)
465303.41	3808341.91	6.69312	(10032206)	465323.41	3808341.91	6.55576	(10032206)
465343.41	3808341.91	6.42152	(10032206)	465363.41	3808341.91	6.30494	(10032206)
465383.41	3808341.91	6.18333	(10032206)	465403.41			

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        465423.41   3808341.91        5.95410  (10032206)                465443.41
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        465463.41   3808341.91        5.75422  (10032206)                465483.41
3808341.91        5.65681  (10032206)
        465503.41   3808341.91        5.56207  (10032206)                465523.41
3808341.91        5.46954  (10032206)
        465543.41   3808341.91        5.37745  (10032206)                465563.41
3808341.91        5.28953  (10032206)
        465583.41   3808341.91        5.20289  (10032206)                465603.41
3808341.91        5.11094  (10032206)
        465623.41   3808341.91        5.02630  (10032206)                465643.41
3808341.91        4.94494  (10032206)
        465663.41   3808341.91        4.86011  (10032206)                465683.41
3808341.91        4.78209  (10032206)
        465703.41   3808341.91        4.70706  (10032206)                465103.41
3808361.91        8.38448  (10032206)
        465123.41   3808361.91        8.22072  (10032206)                465143.41
3808361.91        8.04895  (10032206)
        465163.41   3808361.91        7.87708  (10032206)                465183.41
3808361.91        7.71117  (10032206)
        465203.41   3808361.91        7.53981  (10032206)                465223.41
3808361.91        7.37167  (10032206)
        465243.41   3808361.91        7.22051  (10032206)                465263.41
3808361.91        7.06393  (10032206)
        465283.41   3808361.91        6.90811  (10032206)                465303.41
3808361.91        6.75935  (10032206)
        465323.41   3808361.91        6.61420  (10032206)                465343.41
3808361.91        6.47588  (10032206)
        465363.41   3808361.91        6.35599  (10032206)                465383.41
3808361.91        6.23803  (10032206)
        465403.41   3808361.91        6.12128  (10032206)                465423.41
3808361.91        5.99861  (10032206)
        465443.41   3808361.91        5.88888  (10032206)                465463.41
3808361.91        5.80502  (10032206)
        465483.41   3808361.91        5.70486  (10032206)                465503.41
3808361.91        5.60752  (10032206)
        465523.41   3808361.91        5.51097  (10032206)                465543.41
3808361.91        5.40818  (10032206)
        465563.41   3808361.91        5.31553  (10032206)                465583.41
3808361.91        5.22875  (10032206)
        465603.41   3808361.91        5.14271  (10032206)                465623.41
3808361.91        5.05343  (10032206)
        465643.41   3808361.91        4.96557  (10032206)                465663.41
3808361.91        4.88654  (10032206)
        465683.41   3808361.91        4.80430  (10032206)                465703.41
3808361.91        4.72328  (10032206)
        465183.41   3808381.91        7.76238  (10032206)                465203.41
3808381.91        7.58847  (10032206)
1 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                INCLUDING SOURCE(S):   L0005936   , L0005937
, L0005938   , L0005939   , L0005940   ,
                  L0005941   , L0005942   , L0005943   , L0005944   , L0005945
, L0005946   , L0005947   , L0005948   ,
                  L0005949   , L0005950   , L0005951   , L0005952   , L0005953
, L0005954   , L0005955   , L0005956   ,
                  L0005957   , L0005958   , L0005959   , L0005960   , L0005961
, L0005962   , L0005963   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465223.41   3808381.91   7.42087 (10032206)   465243.41
3808381.91   7.25809 (10032206)
        465263.41   3808381.91   7.09535 (10032206)   465283.41
3808381.91   6.93686 (10032206)
        465303.41   3808381.91   6.79219 (10032206)   465323.41
3808381.91   6.64589 (10032206)
        465343.41   3808381.91   6.50452 (10032206)   465363.41
3808381.91   6.38225 (10032206)
        465383.41   3808381.91   6.26375 (10032206)   465403.41
3808381.91   6.14765 (10032206)
        465423.41   3808381.91   6.02873 (10032206)   465443.41
3808381.91   5.91862 (10032206)
        465463.41   3808381.91   5.82463 (10032206)   465483.41
3808381.91   5.72275 (10032206)
        465503.41   3808381.91   5.62380 (10032206)   465523.41
3808381.91   5.52647 (10032206)
        465543.41   3808381.91   5.42687 (10032206)   465563.41
3808381.91   5.32980 (10032206)
        465583.41   3808381.91   5.23665 (10032206)   465603.41
3808381.91   5.15127 (10032206)
        465623.41   3808381.91   5.06429 (10032206)   465643.41
3808381.91   4.97797 (10032206)

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        465663.41   3808381.91        4.89352  (10032206)               465683.41
3808381.91        4.81172  (10032206)
        465703.41   3808381.91        4.73229  (10032206)               465303.41
3808401.91        6.79037  (10032206)
        465323.41   3808401.91        6.64746  (10032206)               465343.41
3808401.91        6.50722  (10032206)
        465363.41   3808401.91        6.38353  (10032206)               465383.41
3808401.91        6.26371  (10032206)
        465403.41   3808401.91        6.14761  (10032206)               465423.41
3808401.91        6.03506  (10032206)
        465443.41   3808401.91        5.92591  (10032206)               465463.41
3808401.91        5.82024  (10032206)
        465483.41   3808401.91        5.71746  (10032206)               465503.41
3808401.91        5.61768  (10032206)
        465523.41   3808401.91        5.52077  (10032206)               465543.41
3808401.91        5.42663  (10032206)
        465563.41   3808401.91        5.32801  (10032206)               465583.41
3808401.91        5.23095  (10032206)
        465603.41   3808401.91        5.14491  (10032206)               465623.41
3808401.91        5.05960  (10032206)
        465643.41   3808401.91        4.97468  (10032206)               465663.41
3808401.91        4.88624  (10032206)
        465683.41   3808401.91        4.80504  (10032206)               465703.41
3808401.91        4.72705  (10032206)
        465323.41   3808421.91        6.61444  (10032206)               465343.41
3808421.91        6.48414  (10032206)
        465363.41   3808421.91        6.36001  (10032206)               465383.41
3808421.91        6.23981  (10032206)
        465403.41   3808421.91        6.12337  (10032206)               465423.41
3808421.91        6.01053  (10032206)
        465443.41   3808421.91        5.90113  (10032206)               465463.41
3808421.91        5.79503  (10032206)
        465483.41   3808421.91        5.69209  (10032206)               465503.41
3808421.91        5.59218  (10032206)
        465523.41   3808421.91        5.49517  (10032206)               465543.41
3808421.91        5.40095  (10032206)
        465563.41   3808421.91        5.30823  (10032206)               465583.41
3808421.91        5.21777  (10032206)
        465603.41   3808421.91        5.13134  (10032206)               465623.41
3808421.91        5.04026  (10032206)
        465643.41   3808421.91        4.95017  (10032206)               465663.41
3808421.91        4.86930  (10032206)
        465683.41   3808421.91        4.78517  (10032206)               465703.41
3808421.91        4.70235  (10032206)
        465323.41   3808441.91        6.56267  (10032206)               465343.41
3808441.91        6.43669  (10032206)
        465363.41   3808441.91        6.32266  (10032206)               465383.41
3808441.91        6.20580  (10032206)
        465403.41   3808441.91        6.08945  (10032206)               465423.41
3808441.91        5.97672  (10032206)
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3808461.91 5.60504 (10032206)
465503.41 3808461.91 5.50815 (10032206) 465523.41
3808461.91 5.41423 (10032206)
465543.41 3808461.91 5.32096 (10032206) 465563.41
3808461.91 5.23037 (10032206)
465583.41 3808461.91 5.14234 (10032206) 465603.41
3808461.91 5.05677 (10032206)
465623.41 3808461.91 4.96556 (10032206) 465643.41
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465663.41 3808461.91 4.78323 (10032206) 465683.41
3808461.91 4.70389 (10032206)
465703.41 3808461.91 4.62991 (10032206) 465343.41
3808481.91 6.26242 (10032206)
465363.41 3808481.91 6.14535 (10032206) 465383.41
3808481.91 6.04077 (10032206)
465403.41 3808481.91 5.94050 (10032206) 465423.41
3808481.91 5.83097 (10032206)
465443.41 3808481.91 5.72480 (10032206) 465463.41
3808481.91 5.62186 (10032206)
465483.41 3808481.91 5.52199 (10032206) 465503.41
3808481.91 5.43347 (10032206)
465523.41 3808481.91 5.34879 (10032206) 465543.41
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3808481.91 5.08082 (10032206)
465603.41 3808481.91 4.99647 (10032206) 465623.41
3808481.91 4.90654 (10032206)
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3808481.91 4.72674 (10032206)
465683.41 3808481.91 4.64851 (10032206) 465703.41
3808481.91 4.57425 (10032206)
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3808501.91 5.42378 (10032206)
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465543.41 3808501.91 5.16638 (10032206) 465563.41
3808501.91 5.08367 (10032206)
465583.41 3808501.91 5.00309 (10032206) 465603.41
3808501.91 4.91425 (10032206)
465623.41 3808501.91 4.82834 (10032206) 465643.41
3808501.91 4.74402 (10032206)
465663.41 3808501.91 4.65712 (10032206) 465683.41
3808501.91 4.58043 (10032206)
465703.41 3808501.91 4.50731 (10032206) 465523.41
3808521.91 5.14455 (10032206)
465543.41 3808521.91 5.05777 (10032206) 465563.41
3808521.91 4.98203 (10032206)
465583.41 3808521.91 4.90800 (10032206) 465603.41
3808521.91 4.81815 (10032206)
465623.41 3808521.91 4.73583 (10032206) 465643.41

3808521.91   4.65686 (10032206)
        465663.41   3808521.91   4.57435 (10032206)   465683.41
3808521.91   4.49880 (10032206)
        465703.41   3808521.91   4.42627 (10032206)   464239.31
3809562.31   10.27605 (10022820)
        464277.31   3809562.31   10.50543 (10022820)   463745.31
3809591.37   9.05840 (09040203)
        463783.31   3809591.37   9.59852 (09011307)   463821.31
3809591.37   10.12670 (09011307)
        463859.31   3809591.37   10.45671 (09011307)   463897.31
3809591.37   10.48815 (09011307)
        463935.31   3809591.37   10.62452 (09011120)   464239.31
3809591.37   9.81722 (10022820)
        464277.31   3809591.37   10.09614 (10022820)   463745.31
3809620.43   8.64141 (09040203)
        463783.31   3809620.43   9.24102 (09011307)   463821.31
3809620.43   9.76392 (09011307)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                   L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                   L0005949   , L0005950   , L0005951   , L0005952   , L0005953 , L0005954   , L0005955   , L0005956   ,
                   L0005957   , L0005958   , L0005959   , L0005960   , L0005961 , L0005962   , L0005963   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

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        464011.31   3809620.43       10.52293  (09011120)              464049.31
3809620.43       10.16999  (09011120)
        464087.31   3809620.43        9.53662  (09011120)              464125.31
3809620.43        9.54791  (10010907)
        464163.31   3809620.43        9.68793  (10010907)              464201.31
3809620.43        9.54827  (10010907)
        464239.31   3809620.43        9.35938  (10022820)              464277.31
3809620.43        9.68916  (10022820)
        463745.31   3809649.49        8.24225  (09040203)              463783.31
3809649.49        8.92962  (09011307)
        463821.31   3809649.49        9.39638  (09011307)              463859.31
3809649.49        9.62277  (09011307)
        463897.31   3809649.49        9.59908  (09011307)              463935.31
3809649.49        9.73177  (09011120)
        463973.31   3809649.49       10.04206  (09011120)              464011.31
3809649.49       10.09312  (09011120)
        464049.31   3809649.49        9.82801  (09011120)              464087.31
3809649.49        9.24847  (09011120)
        464125.31   3809649.49        9.17804  (10010907)              464163.31
3809649.49        9.34096  (10010907)
        464201.31   3809649.49        9.27687  (10010907)              464239.31
3809649.49        8.98597  (10010907)
        464277.31   3809649.49        9.29728  (10022820)              464315.31
3809649.49        9.43131  (10022820)
        464353.31   3809649.49        9.36845  (10022820)              464391.31
3809649.49        9.09163  (09031705)
        464429.31   3809649.49        8.84558  (09031705)              464467.31
3809649.49        8.73454  (09040202)
        464505.31   3809649.49        8.48752  (09040202)              463745.31
3809678.55        7.91703  (09011307)
        463783.31   3809678.55        8.57743  (09011307)              463821.31
3809678.55        9.05463  (09011307)
        463859.31   3809678.55        9.23056  (09011307)              463897.31
3809678.55        9.19626  (09011307)
        463935.31   3809678.55        9.32942  (09031206)              463973.31
3809678.55        9.65160  (09011120)
        464011.31   3809678.55        9.69183  (09011120)              464049.31
3809678.55        9.50259  (09011120)
        464087.31   3809678.55        9.01104  (09011120)              464125.31
3809678.55        8.82423  (10010907)
        464163.31   3809678.55        9.02357  (10010907)              464201.31
3809678.55        9.01876  (10010907)
        464239.31   3809678.55        8.75317  (10010907)              464277.31
3809678.55        8.91116  (10022820)
        464315.31   3809678.55        9.10716  (10022820)              464353.31
3809678.55        9.11224  (10022820)
        464391.31   3809678.55        8.89473  (10022820)              464429.31
3809678.55        8.64662  (09031705)
        464467.31   3809678.55        8.49592  (09040202)              464505.31
3809678.55        8.30016  (09040202)
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        463745.31   3809707.61        7.65168  (09011307)               463783.31
3809707.61        8.25314  (09011307)
        463821.31   3809707.61        8.68790  (09011307)               463859.31
3809707.61        8.88301  (09011307)
        463897.31   3809707.61        8.82250  (09011307)               463935.31
3809707.61        8.95404  (09031206)
        463973.31   3809707.61        9.28498  (09011120)               464011.31
3809707.61        9.34869  (09011120)
        464049.31   3809707.61        9.19377  (09011120)               464087.31
3809707.61        8.75648  (09011120)
        464125.31   3809707.61        8.48731  (10010907)               464163.31
3809707.61        8.73203  (10010907)
        464201.31   3809707.61        8.73252  (10010907)               464239.31
3809707.61        8.53274  (10010907)
        464277.31   3809707.61        8.54126  (10022820)               464315.31
3809707.61        8.79975  (10022820)
        464353.31   3809707.61        8.82523  (10022820)               464391.31
3809707.61        8.68161  (10022820)
        464429.31   3809707.61        8.42952  (09031705)               464467.31
3809707.61        8.22421  (09040202)
        464505.31   3809707.61        8.11919  (09040202)               463745.31
3809736.67        7.43326  (09011307)
        463783.31   3809736.67        7.95579  (09011307)               463821.31
3809736.67        8.31803  (09011307)
        463859.31   3809736.67        8.50752  (09011307)               463897.31
3809736.67        8.46694  (09011307)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 472
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                  INCLUDING SOURCE(S):     L0005936    , L0005937
, L0005938    , L0005939    , L0005940    ,
                  L0005941    , L0005942    , L0005943    , L0005944    , L0005945
, L0005946    , L0005947    , L0005948    ,
                  L0005949    , L0005950    , L0005951    , L0005952    , L0005953
, L0005954    , L0005955    , L0005956    ,
                  L0005957    , L0005958    , L0005959    , L0005960    , L0005961
, L0005962    , L0005963    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
463935.31	3809736.67	8.57112	(09031206)	463973.31	3809736.67	8.93201	(09011120)
464011.31	3809736.67	9.05872	(09011120)	464049.31	3809736.67	8.90150	(09011120)
464087.31	3809736.67	8.53386	(09011120)	464125.31	3809736.67	8.18154	(10010907)
464163.31	3809736.67	8.45261	(10010907)	464201.31	3809736.67	8.47517	(10010907)
464239.31	3809736.67	8.32871	(10010907)	464277.31	3809736.67	8.19812	(10022820)
464315.31	3809736.67	8.46966	(10022820)	464353.31	3809736.67	8.55991	(10022820)
464391.31	3809736.67	8.46772	(10022820)	464429.31	3809736.67	8.21114	(09031705)
464467.31	3809736.67	8.00934	(09031705)	464505.31	3809736.67	7.92841	(09040202)
463745.31	3809765.73	7.23345	(09011307)	463783.31	3809765.73	7.70634	(09011307)
463821.31	3809765.73	8.01653	(09011307)	463859.31	3809765.73	8.16673	(09011307)
463897.31	3809765.73	8.13352	(09011307)	463935.31	3809765.73	8.21595	(09031206)
463973.31	3809765.73	8.51881	(09011120)	464011.31	3809765.73	8.74051	(09011120)
464049.31	3809765.73	8.65467	(09011120)	464087.31	3809765.73	8.30918	(09011120)
464125.31	3809765.73	7.89501	(10010907)	464163.31	3809765.73	8.18258	(10010907)
464201.31	3809765.73	8.23674	(10010907)	464239.31	3809765.73	8.13048	(10010907)
464277.31	3809765.73	7.87073	(10022820)	464315.31	3809765.73	8.16143	(10022820)
464353.31	3809765.73	8.30412	(10022820)	464391.31	3809765.73	8.24402	(10022820)
464429.31	3809765.73	8.03542	(10022820)	464467.31	3809765.73	7.86091	(09031705)
464505.31	3809765.73	7.70646	(09040202)	463745.31	3809794.79	7.04533	(09011307)
463783.31	3809794.79	7.45790	(09011307)	463821.31	3809794.79	7.73676	(09011307)
463859.31	3809794.79	7.84361	(09011307)	463897.31	3809794.79	7.79482	(09011307)
463935.31	3809794.79	7.87728	(09031206)	463973.31	3809794.79	8.15675	(09011120)
464011.31	3809794.79	8.36833	(09011120)	464049.31			

3809794.79   8.40092 (09011120)
        464087.31   3809794.79   8.09722 (09011120)   464125.31
3809794.79   7.61664 (09102505)
        464163.31   3809794.79   7.89503 (10010907)   464201.31
3809794.79   8.00269 (10010907)
        464239.31   3809794.79   7.91580 (10010907)   464277.31
3809794.79   7.66082 (10010907)
        464315.31   3809794.79   7.86659 (10022820)   464353.31
3809794.79   8.02504 (10022820)
        464391.31   3809794.79   8.03118 (10022820)   464429.31
3809794.79   7.88602 (10022820)
        464467.31   3809794.79   7.67835 (09031705)   464505.31
3809794.79   7.49015 (09040202)
        463745.31   3809823.85   6.86661 (09011307)   463783.31
3809823.85   7.22706 (09011307)
        463821.31   3809823.85   7.44231 (09011307)   463859.31
3809823.85   7.53952 (09011307)
        463897.31   3809823.85   7.46677 (09011307)   463935.31
3809823.85   7.54973 (09031206)
        463973.31   3809823.85   7.82224 (09011120)   464011.31
3809823.85   8.00663 (09011120)
        464049.31   3809823.85   8.06332 (09011120)   464087.31
3809823.85   7.86814 (09011120)
        464125.31   3809823.85   7.43842 (09102505)   464163.31
3809823.85   7.62964 (10010907)
        464201.31   3809823.85   7.75190 (10010907)   464239.31
3809823.85   7.71198 (10010907)
        464277.31   3809823.85   7.49922 (10010907)   464315.31
3809823.85   7.55913 (10022820)
        464353.31   3809823.85   7.76090 (10022820)   464391.31
3809823.85   7.81447 (10022820)
        464429.31   3809823.85   7.70364 (10022820)   464467.31
3809823.85   7.49593 (09031705)
        464505.31   3809823.85   7.29295 (09031705)   463745.31
3809852.91   6.71039 (09011307)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0005936   , L0005937 , L0005938   , L0005939   , L0005940   ,
                  L0005941   , L0005942   , L0005943   , L0005944   , L0005945 , L0005946   , L0005947   , L0005948   ,
                  L0005949   , L0005950   , L0005951   , L0005952   , L0005953

, L0005954   , L0005955   , L0005956   ,
                L0005957   , L0005958   , L0005959   , L0005960   , L0005961
, L0005962   , L0005963   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        463783.31   3809852.91   7.04159 (09011307)   463821.31
3809852.91   7.19819 (09011307)
        463859.31   3809852.91   7.26649 (09011307)   463897.31
3809852.91   7.16339 (09011307)
        463935.31   3809852.91   7.24590 (09031206)   463973.31
3809852.91   7.50664 (09011120)
        464011.31   3809852.91   7.67488 (09011120)   464049.31
3809852.91   7.72191 (09011120)
        464087.31   3809852.91   7.56940 (09011120)   464125.31
3809852.91   7.20420 (09011120)
        464163.31   3809852.91   7.32276 (10010907)   464201.31
3809852.91   7.47182 (10010907)
        464239.31   3809852.91   7.47736 (10010907)   464277.31
3809852.91   7.31540 (10010907)
        464315.31   3809852.91   7.26568 (10022820)   464353.31
3809852.91   7.49041 (10022820)
        464391.31   3809852.91   7.58513 (10022820)   464429.31
3809852.91   7.52443 (10022820)
        464467.31   3809852.91   7.31097 (10022820)   464505.31
3809852.91   7.15371 (09031705)
        463745.31   3809881.97   6.57059 (09011307)   463783.31
3809881.97   6.86185 (09011307)
        463821.31   3809881.97   6.99977 (09011307)   463859.31
3809881.97   7.02758 (09011307)
        463897.31   3809881.97   6.89779 (09011307)   463935.31
3809881.97   6.96235 (09031206)
        463973.31   3809881.97   7.21852 (09011120)   464011.31
3809881.97   7.38611 (09011120)
        464049.31   3809881.97   7.41812 (09011120)   464087.31
3809881.97   7.26737 (09011120)
        464125.31   3809881.97   6.94360 (09011120)   464163.31
3809881.97   6.98527 (10010907)
        464201.31   3809881.97   7.18662 (10010907)   464239.31
3809881.97   7.21828 (10010907)
        464277.31   3809881.97   7.11214 (10010907)   464315.31
3809881.97   6.97461 (10022820)

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        464353.31   3809881.97        7.23035  (10022820)                464391.31
3809881.97        7.36510  (10022820)
        464429.31   3809881.97        7.34340  (10022820)                464467.31
3809881.97        7.17291  (10022820)
        464505.31   3809881.97        7.01751  (09031705)                463745.31
3809911.03        6.42159  (09011307)
        463783.31   3809911.03        6.67726  (09011307)                463821.31
3809911.03        6.81585  (09011307)
        463859.31   3809911.03        6.81623  (09011307)                463897.31
3809911.03        6.67720  (09011307)
        463935.31   3809911.03        6.72507  (09031206)                463973.31
3809911.03        6.94873  (09011120)
        464011.31   3809911.03        7.11228  (09011120)                464049.31
3809911.03        7.15142  (09011120)
        464087.31   3809911.03        7.01356  (09011120)                464125.31
3809911.03        6.71246  (09011120)
        464163.31   3809911.03        6.69713  (10010907)                464201.31
3809911.03        6.93215  (10010907)
        464239.31   3809911.03        6.99234  (10010907)                464277.31
3809911.03        6.92844  (10010907)
        464315.31   3809911.03        6.71441  (10010907)                464353.31
3809911.03        6.97284  (10022820)
        464391.31   3809911.03        7.13705  (10022820)                464429.31
3809911.03        7.15402  (10022820)
        464467.31   3809911.03        7.04305  (10022820)                464505.31
3809911.03        6.85932  (09031705)
        463745.31   3809940.09        6.26817  (09011307)                463783.31
3809940.09        6.50042  (09011307)
        463821.31   3809940.09        6.63401  (09011307)                463859.31
3809940.09        6.61906  (09011307)
        463897.31   3809940.09        6.48186  (09011307)                463935.31
3809940.09        6.52976  (09031206)
        463973.31   3809940.09        6.71921  (09011120)                464011.31
3809940.09        6.84884  (09011120)
        464049.31   3809940.09        6.88300  (09011120)                464087.31
3809940.09        6.76013  (09011120)
        464125.31   3809940.09        6.49240  (09011120)                464163.31
3809940.09        6.43590  (10010907)
        464201.31   3809940.09        6.70459  (10010907)                464239.31
3809940.09        6.80123  (10010907)
        464277.31   3809940.09        6.75457  (10010907)                464315.31
3809940.09        6.57944  (10010907)
        464353.31   3809940.09        6.72122  (10022820)                464391.31
3809940.09        6.91113  (10022820)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937 , L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945 , L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953 , L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961 , L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464429.31	3809940.09	6.97367	(10022820)	464467.31	3809940.09	6.89327	(10022820)
464505.31	3809940.09	6.69890	(09031705)	463745.31	3809969.15	6.17099	(09011307)
463783.31	3809969.15	6.35225	(09011307)	463821.31	3809969.15	6.45567	(09011307)
463859.31	3809969.15	6.43569	(09011307)	463897.31	3809969.15	6.29570	(09011307)
463935.31	3809969.15	6.34601	(09031206)	463973.31	3809969.15	6.51801	(09011120)
464011.31	3809969.15	6.62630	(09011120)	464049.31	3809969.15	6.62828	(09011120)
464087.31	3809969.15	6.52248	(09011120)	464125.31	3809969.15	6.29666	(09011120)
464163.31	3809969.15	6.17722	(10010907)	464201.31	3809969.15	6.47130	(10010907)
464239.31	3809969.15	6.61584	(10010907)	464277.31	3809969.15	6.59137	(10010907)
464315.31	3809969.15	6.44809	(10010907)	464353.31	3809969.15	6.49250	(10022820)
464391.31	3809969.15	6.70512	(10022820)	464429.31	3809969.15	6.78830	(10022820)
464467.31	3809969.15	6.73624	(10022820)	464505.31	3809969.15	6.58613	(10022820)
463745.31	3809998.21	6.13612	(09011307)	463783.31	3809998.21	6.25233	(09011307)
463821.31	3809998.21	6.31268	(09011307)	463859.31			

3809998.21 6.27316 (09011307)
463897.31 3809998.21 6.12939 (09011307) 463935.31
3809998.21 6.17068 (09031206)
463973.31 3809998.21 6.32464 (09011120) 464011.31
3809998.21 6.43681 (09011120)
464049.31 3809998.21 6.43414 (09011120) 464087.31
3809998.21 6.32712 (09011120)
464125.31 3809998.21 6.12800 (09011120) 464163.31
3809998.21 5.94573 (10010907)
464201.31 3809998.21 6.24256 (10010907) 464239.31
3809998.21 6.41069 (10010907)
464277.31 3809998.21 6.43658 (10010907) 464315.31
3809998.21 6.31660 (10010907)
464353.31 3809998.21 6.25580 (10022820) 464391.31
3809998.21 6.48767 (10022820)
464429.31 3809998.21 6.59487 (10022820) 464467.31
3809998.21 6.59166 (10022820)
464505.31 3809998.21 6.46594 (10022820) 463745.31
3810027.27 6.10585 (09011307)
463783.31 3810027.27 6.18557 (09011307) 463821.31
3810027.27 6.20262 (09011307)
463859.31 3810027.27 6.13759 (09011307) 463897.31
3810027.27 5.98598 (09011307)
463935.31 3810027.27 6.01143 (09031206) 463973.31
3810027.27 6.15191 (09011120)
464011.31 3810027.27 6.26349 (09011120) 464049.31
3810027.27 6.26461 (09011120)
464087.31 3810027.27 6.14961 (09011120) 464125.31
3810027.27 5.95237 (09011120)
464163.31 3810027.27 5.72272 (10010907) 464201.31
3810027.27 6.02813 (10010907)
464239.31 3810027.27 6.20125 (10010907) 464277.31
3810027.27 6.26105 (10010907)
464315.31 3810027.27 6.18654 (10010907) 464353.31
3810027.27 6.02023 (10022820)
464391.31 3810027.27 6.26829 (10022820) 464429.31
3810027.27 6.41184 (10022820)
464467.31 3810027.27 6.43467 (10022820) 464505.31
3810027.27 6.33667 (10022820)
463745.31 3810056.33 6.08423 (09011307) 463783.31
3810056.33 6.12789 (09011307)
463821.31 3810056.33 6.09930 (09011307) 463859.31
3810056.33 6.01784 (09011307)
463897.31 3810056.33 5.84912 (09011307) 463935.31
3810056.33 5.87305 (09031206)
463973.31 3810056.33 5.99458 (09011120) 464011.31
3810056.33 6.09938 (09011120)
464049.31 3810056.33 6.09258 (09011120) 464087.31
3810056.33 5.98745 (09011120)
464125.31 3810056.33 5.78617 (09011120) 464163.31

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                   INCLUDING SOURCE(S):   L0005936   , L0005937
, L0005938   , L0005939   , L0005940   ,
                  L0005941   , L0005942   , L0005943   , L0005944   , L0005945
, L0005946   , L0005947   , L0005948   ,
                  L0005949   , L0005950   , L0005951   , L0005952   , L0005953
, L0005954   , L0005955   , L0005956   ,
                  L0005957   , L0005958   , L0005959   , L0005960   , L0005961
, L0005962   , L0005963   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        464277.31   3810056.33   6.07797 (10010907)   464315.31
3810056.33   6.03889 (10010907)
        464353.31   3810056.33   5.88824 (10010907)   464391.31
3810056.33   6.07114 (10022820)
        464429.31   3810056.33   6.22927 (10022820)   464467.31
3810056.33   6.26800 (10022820)
        464505.31   3810056.33   6.20865 (10022820)   463745.31
3810085.39   6.06102 (09011307)
        463783.31   3810085.39   6.07473 (09011307)   463821.31
3810085.39   6.01441 (09011307)
        463859.31   3810085.39   5.90582 (09011307)   463897.31
3810085.39   5.72487 (09011307)
        463935.31   3810085.39   5.74948 (09031206)   463973.31
3810085.39   5.84905 (09011120)
        464011.31   3810085.39   5.93990 (09011120)   464049.31
3810085.39   5.92016 (09011120)
        464087.31   3810085.39   5.82772 (09011120)   464125.31
3810085.39   5.63946 (09011120)

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        464163.31   3810085.39        5.41028  (09102505)              464201.31
3810085.39        5.58606  (10010907)
        464239.31   3810085.39        5.80371  (10010907)              464277.31
3810085.39        5.90176  (10010907)
        464315.31   3810085.39        5.88685  (10010907)              464353.31
3810085.39        5.76231  (10010907)
        464391.31   3810085.39        5.85370  (10022820)              464429.31
3810085.39        6.02965  (10022820)
        464467.31   3810085.39        6.09913  (10022820)              464505.31
3810085.39        6.06347  (10022820)
        463745.31   3810114.45        6.00151  (09011307)              463783.31
3810114.45        6.04281  (09011307)
        463821.31   3810114.45        5.95130  (09011307)              463859.31
3810114.45        5.83326  (09011307)
        463897.31   3810114.45        5.62385  (09011307)              463935.31
3810114.45        5.63692  (09031206)
        463973.31   3810114.45        5.70948  (09011120)              464011.31
3810114.45        5.79447  (09011120)
        464049.31   3810114.45        5.77160  (09011120)              464087.31
3810114.45        5.67771  (09011120)
        464125.31   3810114.45        5.49064  (09011120)              464163.31
3810114.45        5.25836  (09102505)
        464201.31   3810114.45        5.36659  (10010907)              464239.31
3810114.45        5.60643  (10010907)
        464277.31   3810114.45        5.72863  (10010907)              464315.31
3810114.45        5.72104  (10010907)
        464353.31   3810114.45        5.60945  (10010907)              464391.31
3810114.45        5.59740  (10022820)
        464429.31   3810114.45        5.81235  (10022820)              464467.31
3810114.45        5.90331  (10022820)
        464505.31   3810114.45        5.91509  (10022820)              463745.31
3810143.51        5.90285  (09011307)
        463783.31   3810143.51        5.97128  (09011307)              463821.31
3810143.51        5.92639  (09011307)
        463859.31   3810143.51        5.78223  (09011307)              463897.31
3810143.51        5.52733  (09011307)
        463935.31   3810143.51        5.51799  (09031206)              463973.31
3810143.51        5.56201  (09011120)
        464011.31   3810143.51        5.65731  (09011120)              464049.31
3810143.51        5.63501  (09011120)
        464087.31   3810143.51        5.52740  (09011120)              464125.31
3810143.51        5.35124  (09011120)
        464163.31   3810143.51        5.12557  (09102505)              464201.31
3810143.51        5.16778  (10010907)
        464239.31   3810143.51        5.39742  (10010907)              464277.31
3810143.51        5.55323  (10010907)
        464315.31   3810143.51        5.56579  (10010907)              464353.31
3810143.51        5.45816  (10010907)
        464391.31   3810143.51        5.36477  (10022820)              464429.31
3810143.51        5.58716  (10022820)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0005936 , L0005937
, L0005938 , L0005939 , L0005940 ,
L0005941 , L0005942 , L0005943 , L0005944 , L0005945
, L0005946 , L0005947 , L0005948 ,
L0005949 , L0005950 , L0005951 , L0005952 , L0005953
, L0005954 , L0005955 , L0005956 ,
L0005957 , L0005958 , L0005959 , L0005960 , L0005961
, L0005962 , L0005963 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465716.18	3808536.49	4.32066	(09031319)	465544.37	3808533.85	5.07095	(09031319)
465420.13	3808486.27	5.82637	(10032206)	465348.77	3808491.56	6.17567	(10032206)
465317.05	3808443.98	6.59746	(10032206)	465327.62	3808406.97	6.61183	(10032206)
465108.23	3808369.97	8.38123	(10032206)	464999.86	3808301.24	9.01390	(09010519)
464722.31	3807973.48	15.55304	(10020118)	464717.03			

3807836.03   11.73011 (09031219)
        464344.33   3807936.47   43.80399 (09011918)   464349.61
3807780.52   18.76199 (09011918)
        464386.62   3807785.81   18.10259 (09011918)   464521.43
3807859.82   12.24092 (09030119)
        464537.28   3807719.72   23.34167 (09011918)   464426.27
3807613.99   35.00163 (09011918)
        464368.43   3807532.62   34.60094 (10112518)   464324.60
3807121.91   22.40798 (09123118)
        464123.31   3807123.54   21.64749 (09123118)   463930.13
3806909.26   18.94384 (09111519)
        463831.11   3806906.01   13.66586 (09120318)   463821.36
3806720.95   11.61349 (09120318)
        463727.21   3806727.44   11.16527 (10102005)   463598.97
3806334.59   9.52853 (09032718)
        463001.06   3806361.54   6.29274 (09120319)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                  INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                  L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                  L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                  L0006514   , L0006515   , L0006516   , L0006517   , L0006518 , L0006519   , L0006520   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

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        461936.56   3808886.92        6.76395  (09020119)              461936.56
3808997.94        8.21800  (09020119)
        461909.30   3808768.10        5.41850  (10021207)              461835.28
3808894.71        6.99562  (09020119)
        461845.02   3808995.99        8.00689  (09020119)              461833.33
3809114.80        7.64178  (09020119)
        461843.07   3809210.24       12.41218  (10021620)              461809.96
3809297.89       16.40482  (10021620)
        461856.71   3809385.54       16.11964  (10021620)              461841.13
3809482.92       10.06286  (09021520)
        462004.74   3809379.69       18.25685  (10021620)              461763.22
3808793.43        5.53757  (09020119)
        461753.48   3808699.93        4.88061  (10021207)              461835.28
3808686.30        5.73045  (10021207)
        461823.60   3808579.17        5.89737  (10021207)              461761.27
3808585.02        5.73716  (10021207)
        462301.19   3807807.15        3.02886  (09122018)              462304.78
3807868.16        3.10030  (09122018)
        462216.84   3807882.52        3.08261  (09122018)              462116.34
3807886.11        3.01383  (09122018)
        462114.55   3807789.20        2.91169  (09122018)              462012.25
3807887.90        2.92050  (09111518)
        462008.66   3807975.84        3.36120  (09111518)              461917.14
3807972.25        3.50488  (09020118)
        461922.52   3808187.60        5.68069  (10021207)              461908.17
3808288.10        5.86188  (10021207)
        461848.94   3808377.83        5.70574  (10021207)              461831.00
3808494.48        5.76293  (10021207)
        462421.43   3808393.98        6.92469  (10021207)              462459.11
3808501.66        7.63079  (10021207)
        462437.58   3808580.62        7.62977  (10021207)              462654.73
3809189.00       12.44168  (09020119)
        462559.49   3809194.32       12.30441  (09020119)              465763.86
3807935.19        5.11059  (09011918)
        465819.84   3807935.19        5.07778  (09011918)              465875.82
3807935.19        5.01038  (09011918)
        465931.80   3807935.19        4.88392  (09011918)              465987.78
3807935.19        4.70328  (09011918)
        466043.76   3807935.19        4.45218  (09011918)              466099.74
3807935.19        4.13070  (09011918)
        466155.72   3807935.19        3.73091  (09011918)              466211.70
3807935.19        3.34099  (10020118)
        466267.68   3807935.19        3.22819  (10020118)              466323.66
3807935.19        3.07090  (10020118)
        466379.64   3807935.19        2.95253  (10020118)              466435.62
3807935.19        2.84848  (10020118)
        466491.60   3807935.19        2.75120  (10020118)              466547.58
3807935.19        2.65313  (10020118)
        466603.56   3807935.19        2.60856  (10020118)              466659.54
3807935.19        2.55440  (10020118)
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        466715.52   3807935.19        2.48997  (10020118)               466771.50
3807935.19        2.44808  (10020118)
        466827.48   3807935.19        2.36632  (10020118)               466883.46
3807935.19        2.35199  (10020118)
        465763.86   3808001.41        5.24034  (09011918)               465819.84
3808001.41        5.17948  (09011918)
        465875.82   3808001.41        5.06398  (09011918)               465931.80
3808001.41        4.89443  (09011918)
        465987.78   3808001.41        4.65890  (09011918)               466043.76
3808001.41        4.34673  (09011918)
        466099.74   3808001.41        3.96121  (09011918)               466155.72
3808001.41        3.53193  (10020118)
        466211.70   3808001.41        3.42393  (10020118)               466267.68
3808001.41        3.25798  (10020118)
        466323.66   3808001.41        3.09868  (10020118)               466379.64
3808001.41        2.95312  (10020118)
        466435.62   3808001.41        2.84177  (10020118)               466491.60
3808001.41        2.77102  (10020118)
        466547.58   3808001.41        2.70019  (10020118)               466603.56
3808001.41        2.66122  (10020118)
        466659.54   3808001.41        2.61501  (10020118)               466715.52
3808001.41        2.54812  (10020118)
        466771.50   3808001.41        2.49389  (10020118)               466827.48
3808001.41        2.44523  (10020118)
        466883.46   3808001.41        2.41693  (10020118)               465763.86
3808067.63        5.35624  (09011918)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                    INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                   L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                   L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                   L0006514   , L0006515   , L0006516   , L0006517   , L0006518 , L0006519   , L0006520   , . . .   ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465819.84	3808067.63	5.25759	(09011918)	465875.82	3808067.63	5.09483	(09011918)
465931.80	3808067.63	4.87036	(09011918)	465987.78	3808067.63	4.57651	(09011918)
466043.76	3808067.63	4.19399	(09011918)	466099.74	3808067.63	3.74620	(09011918)
466155.72	3808067.63	3.50498	(10020118)	466211.70	3808067.63	3.32369	(10020118)
466267.68	3808067.63	3.18048	(10020118)	466323.66	3808067.63	3.02861	(10020118)
466379.64	3808067.63	2.91771	(10020118)	466435.62	3808067.63	2.85444	(10020118)
466491.60	3808067.63	2.78092	(10020118)	466547.58	3808067.63	2.74571	(10020118)
466603.56	3808067.63	2.70181	(10020118)	466659.54	3808067.63	2.64627	(10020118)
466715.52	3808067.63	2.61564	(10020118)	466771.50	3808067.63	2.55610	(10020118)
466827.48	3808067.63	2.50430	(10020118)	466883.46	3808067.63	2.46095	(10020118)
465763.86	3808133.85	5.45709	(09011918)	465819.84	3808133.85	5.30463	(09011918)
465875.82	3808133.85	5.08930	(09011918)	465931.80	3808133.85	4.80785	(09011918)
465987.78	3808133.85	4.44512	(09011918)	466043.76	3808133.85	3.99998	(09011918)
466099.74	3808133.85	3.62858	(10020118)	466155.72	3808133.85	3.40777	(10020118)
466211.70	3808133.85	3.25190	(10020118)	466267.68	3808133.85	3.12595	(10020118)
466323.66	3808133.85	2.99520	(10020118)	466379.64	3808133.85	2.93119	(10020118)
466435.62	3808133.85	2.86773	(10020118)	466491.60	3808133.85	2.82638	(10020118)
466547.58	3808133.85	2.78856	(10020118)	466603.56	3808133.85	2.75101	(10020118)
466659.54	3808133.85	2.71315	(10020118)	466715.52	3808133.85	2.65266	(10020118)
466771.50	3808133.85	2.59124	(10020118)	466827.48	3808133.85	2.54026	(10020118)
466883.46	3808133.85	2.48211	(10020118)	465763.86	3808200.07	5.52855	(09011918)
465819.84	3808200.07	5.32407	(09011918)	465875.82	3808200.07	5.05006	(09011918)
465931.80	3808200.07	4.69811	(09011918)	465987.78			

3808200.07   4.26137 (09011918)
        466043.76   3808200.07   3.73131 (09011918)   466099.74
3808200.07   3.48490 (10020118)
        466155.72   3808200.07   3.31060 (10020118)   466211.70
3808200.07   3.16863 (10020118)
        466267.68   3808200.07   3.07803 (10020118)   466323.66
3808200.07   3.00921 (10020118)
        466379.64   3808200.07   2.96052 (10020118)   466435.62
3808200.07   2.91261 (10020118)
        466491.60   3808200.07   2.87987 (10020118)   466547.58
3808200.07   2.84076 (10020118)
        466603.56   3808200.07   2.80259 (10020118)   466659.54
3808200.07   2.75151 (10020118)
        466715.52   3808200.07   2.68474 (10020118)   466771.50
3808200.07   2.61865 (10020118)
        466827.48   3808200.07   2.55019 (10020118)   466883.46
3808200.07   2.47592 (10020118)
        465763.86   3808266.29   5.56567 (09011918)   465819.84
3808266.29   5.30232 (09011918)
        465875.82   3808266.29   4.96319 (09011918)   465931.80
3808266.29   4.53793 (09011918)
        465987.78   3808266.29   4.00652 (09011918)   466043.76
3808266.29   3.54244 (10020118)
        466099.74   3808266.29   3.37415 (10020118)   466155.72
3808266.29   3.24819 (10020118)
        466211.70   3808266.29   3.16644 (10020118)   466267.68
3808266.29   3.10107 (10020118)
        466323.66   3808266.29   3.04799 (10020118)   466379.64
3808266.29   3.00390 (10020118)
        466435.62   3808266.29   2.97048 (10020118)   466491.60
3808266.29   2.93460 (10020118)
        466547.58   3808266.29   2.89521 (10020118)   466603.56
3808266.29   2.84153 (10020118)
        466659.54   3808266.29   2.77145 (10020118)   466715.52
3808266.29   2.69548 (10020118)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                    INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                L0006506   , L0006507   , L0006508   , L0006509   , L0006510

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, L0006511    , L0006512    , L0006513    ,
                L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        466771.50   3808266.29        2.61715  (10020118)               466827.48
3808266.29        2.53183  (10020118)
        466883.46   3808266.29        2.44130  (10020118)               465763.86
3808332.51        5.55751  (09011918)
        465819.84   3808332.51        5.23798  (09011918)               465875.82
3808332.51        4.82631  (09011918)
        465931.80   3808332.51        4.30015  (09011918)               465987.78
3808332.51        3.70747  (09030119)
        466043.76   3808332.51        3.46497  (09030119)               466099.74
3808332.51        3.32810  (10020118)
        466155.72   3808332.51        3.26785  (10020118)               466211.70
3808332.51        3.19928  (10020118)
        466267.68   3808332.51        3.15708  (10020118)               466323.66
3808332.51        3.10898  (10020118)
        466379.64   3808332.51        3.07806  (10020118)               466435.62
3808332.51        3.03521  (10020118)
        466491.60   3808332.51        2.98591  (10020118)               466547.58
3808332.51        2.93346  (10020118)
        466603.56   3808332.51        2.85610  (10020118)               466659.54
3808332.51        2.77261  (10020118)
        466715.52   3808332.51        2.68240  (10020118)               466771.50
3808332.51        2.58454  (10020118)
        466827.48   3808332.51        2.48291  (10020118)               466883.46
3808332.51        2.37689  (10020118)
        465763.86   3808398.73        5.52445  (09011918)               465819.84
3808398.73        5.13418  (09011918)
        465875.82   3808398.73        4.60965  (09011918)               465931.80
3808398.73        4.00063  (09011918)
        465987.78   3808398.73        3.63412  (09030119)               466043.76
3808398.73        3.44077  (10020118)
        466099.74   3808398.73        3.35898  (10020118)               466155.72
3808398.73        3.31232  (10020118)
        466211.70   3808398.73        3.27374  (10020118)               466267.68
3808398.73        3.22856  (10020118)
        466323.66   3808398.73        3.18653  (10020118)               466379.64
3808398.73        3.14224  (10020118)
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        466435.62   3808398.73        3.08405  (10020118)               466491.60
3808398.73        3.02200  (10020118)
        466547.58   3808398.73        2.93972  (10020118)               466603.56
3808398.73        2.84648  (10020118)
        466659.54   3808398.73        2.74370  (10020118)               466715.52
3808398.73        2.63452  (10020118)
        466771.50   3808398.73        2.52074  (10020118)               466827.48
3808398.73        2.40293  (10020118)
        466883.46   3808398.73        2.28269  (10020118)               465763.86
3808464.95        5.44199  (09011918)
        465819.84   3808464.95        4.95418  (09011918)               465875.82
3808464.95        4.34652  (09011918)
        465931.80   3808464.95        3.66339  (09011918)               465987.78
3808464.95        3.56298  (10020118)
        466043.76   3808464.95        3.48929  (10020118)               466099.74
3808464.95        3.44390  (10020118)
        466155.72   3808464.95        3.40753  (10020118)               466211.70
3808464.95        3.37175  (10020118)
        466267.68   3808464.95        3.31237  (10020118)               466323.66
3808464.95        3.26206  (10020118)
        466379.64   3808464.95        3.19358  (10020118)               466435.62
3808464.95        3.12008  (10020118)
        466491.60   3808464.95        3.02252  (10020118)               466547.58
3808464.95        2.91874  (10020118)
        466603.56   3808464.95        2.80183  (10020118)               466659.54
3808464.95        2.67935  (10020118)
        466715.52   3808464.95        2.55266  (10020118)               466771.50
3808464.95        2.42298  (10020118)
        466827.48   3808464.95        2.30847  (10102019)               466883.46
3808464.95        2.22705  (10102019)
        465763.86   3808531.17        5.30435  (09011918)               465819.84
3808531.17        4.69597  (09011918)
        465875.82   3808531.17        3.99030  (09011918)               465931.80
3808531.17        3.69140  (10020118)
        465987.78   3808531.17        3.64752  (10020118)               466043.76
3808531.17        3.60112  (10020118)
        466099.74   3808531.17        3.55985  (10020118)               466155.72
3808531.17        3.51343  (10020118)
        466211.70   3808531.17        3.46252  (10020118)               466267.68
3808531.17        3.39089  (10020118)
        466323.66   3808531.17        3.31289  (10020118)               466379.64
3808531.17        3.21811  (10020118)
        466435.62   3808531.17        3.10725  (10020118)               466491.60
3808531.17        2.98827  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466547.58	3808531.17	2.85617	(10020118)	466603.56	3808531.17	2.71911	(10020118)
466659.54	3808531.17	2.57849	(10020118)	466715.52	3808531.17	2.44801	(10102019)
466771.50	3808531.17	2.35747	(10102019)	466827.48	3808531.17	2.26511	(10102019)
466883.46	3808531.17	2.17064	(10102019)	465763.86	3808597.39	5.07612	(09011918)
465819.84	3808597.39	4.37553	(09011918)	465875.82	3808597.39	3.95632	(09030119)
465931.80	3808597.39	3.83294	(10020118)	465987.78	3808597.39	3.78171	(10020118)
466043.76	3808597.39	3.73004	(10020118)	466099.74	3808597.39	3.67034	(10020118)
466155.72	3808597.39	3.60518	(10020118)	466211.70	3808597.39	3.52739	(10020118)
466267.68	3808597.39	3.44180	(10020118)	466323.66	3808597.39	3.31941	(10020118)
466379.64	3808597.39	3.19104	(10020118)	466435.62	3808597.39	3.05470	(10020118)
466491.60	3808597.39	2.90668	(10020118)	466547.58	3808597.39	2.75421	(10020118)
466603.56	3808597.39	2.60439	(10102019)	466659.54	3808597.39	2.50379	(10102019)
466715.52	3808597.39	2.40065	(10102019)	466771.50	3808597.39	2.29569	(10102019)
466827.48	3808597.39	2.18983	(10102019)	466883.46			

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3808597.39        2.08482  (10102019)
        465763.86   3808663.61        4.75020  (09011918)                465819.84
3808663.61        4.23826  (09030119)
        465875.82   3808663.61        4.02959  (10020118)                465931.80
3808663.61        3.97465  (10020118)
        465987.78   3808663.61        3.92147  (10020118)                466043.76
3808663.61        3.84400  (10020118)
        466099.74   3808663.61        3.75915  (10020118)                466155.72
3808663.61        3.67085  (10020118)
        466211.70   3808663.61        3.56371  (10020118)                466267.68
3808663.61        3.42676  (10020118)
        466323.66   3808663.61        3.27537  (10020118)                466379.64
3808663.61        3.11664  (10020118)
        466435.62   3808663.61        2.95185  (10020118)                466491.60
3808663.61        2.78207  (10020118)
        466547.58   3808663.61        2.66657  (10102019)                466603.56
3808663.61        2.55122  (10102019)
        466659.54   3808663.61        2.43406  (10102019)                466715.52
3808663.61        2.31642  (10102019)
        466771.50   3808663.61        2.19897  (10102019)                466827.48
3808663.61        2.08416  (10102019)
        466883.46   3808663.61        1.96937  (10102019)                465763.86
3808729.83        4.40020  (09011918)
        465819.84   3808729.83        4.66694  (09030119)                465875.82
3808729.83        4.27374  (09030119)
        465931.80   3808729.83        4.13037  (10020118)                465987.78
3808729.83        4.02063  (10020118)
        466043.76   3808729.83        3.92662  (10020118)                466099.74
3808729.83        3.82330  (10020118)
        466155.72   3808729.83        3.68736  (10020118)                466211.70
3808729.83        3.52970  (10020118)
        466267.68   3808729.83        3.35581  (10020118)                466323.66
3808729.83        3.17505  (10020118)
        466379.64   3808729.83        2.98950  (10020118)                466435.62
3808729.83        2.84922  (10102019)
        466491.60   3808729.83        2.72140  (10102019)                466547.58
3808729.83        2.59025  (10102019)
        466603.56   3808729.83        2.45851  (10102019)                466659.54
3808729.83        2.32993  (10102019)
        466715.52   3808729.83        2.20018  (10102019)                466771.50
3808729.83        2.07308  (10102019)
        466827.48   3808729.83        1.94992  (10102019)                466883.46
3808729.83        1.82989  (10102019)
        465763.86   3808796.05        4.52001  (10020118)                465819.84
3808796.05        4.72532  (09030119)
        465875.82   3808796.05        4.38630  (10020118)                465931.80
3808796.05        4.29488  (10020118)
        465987.78   3808796.05        4.11909  (10020118)                466043.76
3808796.05        3.97146  (10020118)
        466099.74   3808796.05        3.80739  (10020118)                466155.72
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
  L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
  L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
  L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466323.66	3808796.05	3.05814	(10102019)	466379.64	3808796.05	2.91282	(10102019)
466435.62	3808796.05	2.76707	(10102019)	466491.60	3808796.05	2.61913	(10102019)
466547.58	3808796.05	2.47241	(10102019)	466603.56	3808796.05	2.32927	(10102019)
466659.54	3808796.05	2.18763	(10102019)	466715.52	3808796.05	2.05072	(10102019)
466771.50	3808796.05	1.91815	(10102019)	466827.48	3808796.05	1.79150	(09010519)
466883.46	3808796.05	1.77936	(09010519)	465763.86	3808862.27	4.75924	(10020118)
465819.84	3808862.27	4.59206	(10020118)	465875.82	3808862.27	4.44945	(10020118)
465931.80	3808862.27	4.32113	(10020118)	465987.78	3808862.27	4.13918	(10020118)
466043.76	3808862.27	3.93921	(10020118)	466099.74	3808862.27	3.72678	(10020118)

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        466155.72   3808862.27        3.50674  (10020118)              466211.70
3808862.27        3.29828  (10102019)
        466267.68   3808862.27        3.13430  (10102019)              466323.66
3808862.27        2.96725  (10102019)
        466379.64   3808862.27        2.80112  (10102019)              466435.62
3808862.27        2.63612  (10102019)
        466491.60   3808862.27        2.47402  (10102019)              466547.58
3808862.27        2.31616  (10102019)
        466603.56   3808862.27        2.16244  (10102019)              466659.54
3808862.27        2.05475  (09010519)
        466715.52   3808862.27        2.03508  (09010519)              466771.50
3808862.27        2.01481  (09010519)
        466827.48   3808862.27        1.99424  (09010519)              466883.46
3808862.27        1.97254  (09010519)
        465763.86   3808928.49        5.01648  (10020118)              465819.84
3808928.49        4.79573  (10020118)
        465875.82   3808928.49        4.55685  (10020118)              465931.80
3808928.49        4.31474  (10020118)
        465987.78   3808928.49        4.07177  (10020118)              466043.76
3808928.49        3.82132  (10020118)
        466099.74   3808928.49        3.58104  (10102019)              466155.72
3808928.49        3.39163  (10102019)
        466211.70   3808928.49        3.20107  (10102019)              466267.68
3808928.49        3.01074  (10102019)
        466323.66   3808928.49        2.82241  (10102019)              466379.64
3808928.49        2.63792  (10102019)
        466435.62   3808928.49        2.46053  (10102019)              466491.60
3808928.49        2.37469  (09010519)
        466547.58   3808928.49        2.34685  (09010519)              466603.56
3808928.49        2.31999  (09010519)
        466659.54   3808928.49        2.28960  (09010519)              466715.52
3808928.49        2.25942  (09010519)
        466771.50   3808928.49        2.22745  (09010519)              466827.48
3808928.49        2.19666  (09010519)
        466883.46   3808928.49        2.16378  (09010519)              465763.86
3808994.71        5.05626  (10020118)
        465819.84   3808994.71        4.77809  (10020118)              465875.82
3808994.71        4.49971  (10020118)
        465931.80   3808994.71        4.21895  (10020118)              465987.78
3808994.71        3.92576  (10020118)
        466043.76   3808994.71        3.69288  (10102019)              466099.74
3808994.71        3.47604  (10102019)
        466155.72   3808994.71        3.25646  (10102019)              466211.70
3808994.71        3.04155  (10102019)
        466267.68   3808994.71        2.83133  (10102019)              466323.66
3808994.71        2.77420  (09010519)
        466379.64   3808994.71        2.73359  (09010519)              466435.62
3808994.71        2.69184  (09010519)
        466491.60   3808994.71        2.65092  (09010519)              466547.58
3808994.71        2.61038  (09010519)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466099.74	3809060.93	3.34041	(09010519)	466155.72	3809060.93	3.28346	(09010519)
466211.70	3809060.93	3.22368	(09010519)	466267.68	3809060.93	3.16407	(09010519)
466323.66	3809060.93	3.10329	(09010519)	466379.64	3809060.93	3.04187	(09010519)
466435.62	3809060.93	2.98325	(09010519)	466491.60	3809060.93	2.92368	(09010519)
466547.58	3809060.93	2.86199	(09010519)	466603.56			

3809060.93 2.80215 (09010519)
466659.54 3809060.93 2.74527 (09010519) 466715.52
3809060.93 2.68464 (09010519)
466771.50 3809060.93 2.62530 (09010519) 466827.48
3809060.93 2.56800 (09010519)
466883.46 3809060.93 2.51235 (09010519) 465763.86
3809127.15 4.87339 (10020118)
465819.84 3809127.15 4.50308 (10020118) 465875.82
3809127.15 4.19301 (10102019)
465931.80 3809127.15 4.03350 (09010519) 465987.78
3809127.15 3.94846 (09010519)
466043.76 3809127.15 3.85643 (09010519) 466099.74
3809127.15 3.76367 (09010519)
466155.72 3809127.15 3.67441 (09010519) 466211.70
3809127.15 3.59525 (09010519)
466267.68 3809127.15 3.51136 (09010519) 466323.66
3809127.15 3.42606 (09010519)
466379.64 3809127.15 3.33951 (09010519) 466435.62
3809127.15 3.25617 (09010519)
466491.60 3809127.15 3.17429 (09010519) 466547.58
3809127.15 3.09447 (09010519)
466603.56 3809127.15 3.01737 (09010519) 466659.54
3809127.15 2.93903 (09010519)
466715.52 3809127.15 2.86429 (09010519) 466771.50
3809127.15 2.79095 (09010519)
466827.48 3809127.15 2.71868 (09010519) 466883.46
3809127.15 2.65104 (09010519)
465763.86 3809193.37 5.17469 (09010519) 465819.84
3809193.37 5.03973 (09010519)
465875.82 3809193.37 4.80576 (09010519) 465931.80
3809193.37 4.58078 (09010519)
465987.78 3809193.37 4.44447 (09010519) 466043.76
3809193.37 4.29595 (09010519)
466099.74 3809193.37 4.17396 (09010519) 466155.72
3809193.37 4.04981 (09010519)
466211.70 3809193.37 3.93618 (09010519) 466267.68
3809193.37 3.82495 (09010519)
466323.66 3809193.37 3.71372 (09010519) 466379.64
3809193.37 3.60458 (09010519)
466435.62 3809193.37 3.49535 (09010519) 466491.60
3809193.37 3.39115 (09010519)
466547.58 3809193.37 3.29049 (09010519) 466603.56
3809193.37 3.19522 (09010519)
466659.54 3809193.37 3.09954 (09010519) 466715.52
3809193.37 3.01015 (09010519)
466771.50 3809193.37 2.92116 (09010519) 466827.48
3809193.37 2.83749 (09010519)
466883.46 3809193.37 2.75577 (09010519) 465763.86
3809259.59 5.75604 (09010519)
465819.84 3809259.59 5.52414 (09010519) 465875.82

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                   INCLUDING SOURCE(S):   L0006493   , L0006494
, L0006495   , L0006496   , L0006497   ,
                L0006498   , L0006499   , L0006500   , L0006501   , L0006502
, L0006503   , L0006504   , L0006505   ,
                L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                L0006514   , L0006515   , L0006516   , L0006517   , L0006518
, L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
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- -

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        464543.41   3807141.91        2.88050  (09123118)              464563.41
3807141.91        2.89582  (09123118)
        464583.41   3807141.91        2.93767  (09123118)              464603.41
3807141.91        2.96036  (09123118)
        464623.41   3807141.91        2.97608  (09123118)              464643.41
3807141.91        3.05289  (09031218)
        464663.41   3807141.91        3.13496  (09031218)              464683.41
3807141.91        3.20735  (09031218)
        464703.41   3807141.91        3.28746  (09031218)              464723.41
3807141.91        3.34552  (09031218)
        464743.41   3807141.91        3.38952  (09031218)              464763.41
3807141.91        3.43200  (09031218)
        464783.41   3807141.91        3.46471  (09031218)              464803.41
3807141.91        3.49368  (09031218)
        464823.41   3807141.91        3.53780  (09031218)              464843.41
3807141.91        3.56118  (09031218)
        464863.41   3807141.91        3.57345  (09031218)              464883.41
3807141.91        3.58734  (09031218)
        464903.41   3807141.91        3.61036  (09031218)              464923.41
3807141.91        3.63248  (09031218)
        464503.41   3807161.91        2.82603  (09123118)              464523.41
3807161.91        2.87110  (09123118)
        464543.41   3807161.91        2.89291  (09123118)              464563.41
3807161.91        2.90800  (09123118)
        464583.41   3807161.91        2.94991  (09123118)              464603.41
3807161.91        2.98754  (09123118)
        464623.41   3807161.91        3.02812  (09031218)              464643.41
3807161.91        3.10683  (09031218)
        464663.41   3807161.91        3.19262  (09031218)              464683.41
3807161.91        3.27508  (09031218)
        464703.41   3807161.91        3.33307  (09031218)              464723.41
3807161.91        3.38122  (09031218)
        464743.41   3807161.91        3.42579  (09031218)              464763.41
3807161.91        3.48640  (09031218)
        464783.41   3807161.91        3.52248  (09031218)              464803.41
3807161.91        3.54568  (09031218)
        464823.41   3807161.91        3.56726  (09031218)              464843.41
3807161.91        3.58187  (09031218)
        464863.41   3807161.91        3.59607  (09031218)              464883.41
3807161.91        3.62812  (09031218)
        464903.41   3807161.91        3.64273  (09031218)              464923.41
3807161.91        3.65187  (09031218)
        464503.41   3807181.91        2.86185  (09123118)              464523.41
3807181.91        2.88968  (09123118)
        464543.41   3807181.91        2.91744  (09123118)              464563.41
3807181.91        2.94401  (09123118)
        464583.41   3807181.91        2.96824  (09123118)              464603.41
3807181.91        3.00278  (09123118)
        464623.41   3807181.91        3.08278  (09031218)              464643.41
3807181.91        3.15463  (09031218)
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        464663.41   3807181.91        3.23892  (09031218)               464683.41
3807181.91        3.32132  (09031218)
        464703.41   3807181.91        3.37197  (09031218)               464723.41
3807181.91        3.42674  (09031218)
        464743.41   3807181.91        3.47972  (09031218)               464763.41
3807181.91        3.52557  (09031218)
        464783.41   3807181.91        3.55529  (09031218)               464803.41
3807181.91        3.57790  (09031218)
        464823.41   3807181.91        3.60926  (09031218)               464843.41
3807181.91        3.62587  (09031218)
        464863.41   3807181.91        3.63597  (09031218)               464883.41
3807181.91        3.65504  (09031218)
        464903.41   3807181.91        3.67223  (09031218)               464923.41
3807181.91        3.68713  (09031218)
        464503.41   3807201.91        2.89569  (09123118)               464523.41
3807201.91        2.90742  (09123118)
        464543.41   3807201.91        2.94073  (09123118)               464563.41
3807201.91        2.97897  (09123118)
        464583.41   3807201.91        2.99338  (09123118)               464603.41
3807201.91        3.03722  (09031218)
        464623.41   3807201.91        3.13215  (09031218)               464643.41
3807201.91        3.20640  (09031218)
        464663.41   3807201.91        3.28617  (09031218)               464683.41
3807201.91        3.36170  (09031218)
        464703.41   3807201.91        3.41513  (09031218)               464723.41
3807201.91        3.47507  (09031218)
        464743.41   3807201.91        3.53006  (09031218)               464763.41
3807201.91        3.55805  (09031218)
        464783.41   3807201.91        3.58474  (09031218)               464803.41
3807201.91        3.61162  (09031218)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1I1 ***
                                   INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                  L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                  L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                  L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464823.41	3807201.91	3.64917	(09031218)	464843.41	3807201.91	3.67049	(09031218)
464863.41	3807201.91	3.68136	(09031218)	464883.41	3807201.91	3.68501	(09031218)
464903.41	3807201.91	3.70182	(09031218)	464923.41	3807201.91	3.72040	(09031218)
464503.41	3807221.91	2.94649	(09032718)	464523.41	3807221.91	2.92021	(09123118)
464543.41	3807221.91	2.95349	(09123118)	464563.41	3807221.91	2.99586	(09123118)
464583.41	3807221.91	3.03331	(09123118)	464603.41	3807221.91	3.10277	(09031218)
464623.41	3807221.91	3.18281	(09031218)	464643.41	3807221.91	3.27431	(09031218)
464663.41	3807221.91	3.34429	(09031218)	464683.41	3807221.91	3.40347	(09031218)
464703.41	3807221.91	3.47534	(09031218)	464723.41	3807221.91	3.52490	(09031218)
464743.41	3807221.91	3.55941	(09031218)	464763.41	3807221.91	3.58461	(09031218)
464783.41	3807221.91	3.62325	(09031218)	464803.41	3807221.91	3.66144	(09031218)
464823.41	3807221.91	3.67653	(09031218)	464843.41	3807221.91	3.70287	(09031218)
464863.41	3807221.91	3.72761	(09031218)	464883.41	3807221.91	3.72970	(09031218)
464903.41	3807221.91	3.73317	(09031218)	464923.41	3807221.91	3.73952	(09031218)
464503.41	3807241.91	3.00300	(09032718)	464523.41	3807241.91	2.95423	(09123118)
464543.41	3807241.91	2.98135	(09123118)	464563.41	3807241.91	3.00919	(09123118)
464583.41	3807241.91	3.06871	(09031218)	464603.41	3807241.91	3.15486	(09031218)
464623.41	3807241.91	3.22906	(09031218)	464643.41	3807241.91	3.32198	(09031218)
464663.41	3807241.91	3.39884	(09031218)	464683.41	3807241.91	3.46324	(09031218)
464703.41	3807241.91	3.51990	(09031218)	464723.41	3807241.91	3.55925	(09031218)
464743.41	3807241.91	3.59039	(09031218)	464763.41			

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3807241.91        3.63003  (09031218)
        464783.41   3807241.91        3.66336  (09031218)                464803.41
3807241.91        3.69139  (09031218)
        464823.41   3807241.91        3.71650  (09031218)                464843.41
3807241.91        3.73690  (09031218)
        464863.41   3807241.91        3.75114  (09031218)                464883.41
3807241.91        3.75227  (09031218)
        464903.41   3807241.91        3.76186  (09031218)                464923.41
3807241.91        3.77398  (09031218)
        464503.41   3807261.91        3.05936  (09032718)                464523.41
3807261.91        2.98665  (09123118)
        464543.41   3807261.91        3.00798  (09123118)                464563.41
3807261.91        3.02198  (09123118)
        464583.41   3807261.91        3.11957  (09031218)                464603.41
3807261.91        3.20659  (09031218)
        464623.41   3807261.91        3.28174  (09031218)                464643.41
3807261.91        3.36549  (09031218)
        464663.41   3807261.91        3.44767  (09031218)                464683.41
3807261.91        3.51943  (09031218)
        464703.41   3807261.91        3.55746  (09031218)                464723.41
3807261.91        3.59334  (09031218)
        464743.41   3807261.91        3.62867  (09031218)                464763.41
3807261.91        3.67465  (09031218)
        464783.41   3807261.91        3.70271  (09031218)                464803.41
3807261.91        3.72298  (09031218)
        464823.41   3807261.91        3.75444  (09031218)                464843.41
3807261.91        3.77041  (09031218)
        464863.41   3807261.91        3.77689  (09031218)                464883.41
3807261.91        3.77715  (09031218)
        464903.41   3807261.91        3.79430  (09031218)                464923.41
3807261.91        3.81319  (09031218)
        464503.41   3807281.91        3.11366  (09032718)                464523.41
3807281.91        3.00001  (09123118)
        464543.41   3807281.91        3.02111  (09123118)                464563.41
3807281.91        3.06314  (09031218)
        464583.41   3807281.91        3.16900  (09031218)                464603.41
3807281.91        3.26678  (09031218)
        464623.41   3807281.91        3.35289  (09031218)                464643.41
3807281.91        3.41292  (09031218)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 485
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1I1 ***
                                  INCLUDING SOURCE(S):     L0006493    , L0006494
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, L0006495   , L0006496   , L0006497   ,
                L0006498   , L0006499   , L0006500   , L0006501   , L0006502
, L0006503   , L0006504   , L0006505   ,
                L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                L0006514   , L0006515   , L0006516   , L0006517   , L0006518
, L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        464863.41   3807301.91        3.84658  (09031218)               464883.41
3807301.91        3.85853  (09031218)
        464903.41   3807301.91        3.86824  (09031218)               464923.41
3807301.91        3.87462  (09031218)
        464503.41   3807321.91        3.26518  (09032718)               464523.41
3807321.91        3.08607  (09032718)
        464543.41   3807321.91        3.10061  (09031218)               464563.41
3807321.91        3.20310  (09031218)
        464583.41   3807321.91        3.27377  (09031218)               464603.41
3807321.91        3.35848  (09031218)
        464623.41   3807321.91        3.44167  (09031218)               464643.41
3807321.91        3.49027  (09031218)
        464663.41   3807321.91        3.55500  (09031218)               464683.41
3807321.91        3.61956  (09031218)
        464703.41   3807321.91        3.65498  (09031218)               464723.41
3807321.91        3.69908  (09031218)
        464743.41   3807321.91        3.74472  (09031218)               464763.41
3807321.91        3.79070  (09031218)
        464783.41   3807321.91        3.80983  (09031218)               464803.41
3807321.91        3.81604  (09031218)
        464823.41   3807321.91        3.82477  (09031218)               464843.41
3807321.91        3.84746  (09031218)
        464863.41   3807321.91        3.87283  (09031218)               464883.41
3807321.91        3.89082  (09031218)
        464903.41   3807321.91        3.89441  (09031218)               464923.41
3807321.91        3.89245  (09031218)
        464503.41   3807341.91        3.32037  (09032718)               464523.41
3807341.91        3.14313  (09032718)
        464543.41   3807341.91        3.15227  (09031218)               464563.41
3807341.91        3.25193  (09031218)
        464583.41   3807341.91        3.31890  (09031218)               464603.41
3807341.91        3.40052  (09031218)
        464623.41   3807341.91        3.48078  (09031218)               464643.41
3807341.91        3.52585  (09031218)
        464663.41   3807341.91        3.58773  (09031218)               464683.41
3807341.91        3.65395  (09031218)
        464703.41   3807341.91        3.71026  (09031218)               464723.41
3807341.91        3.74345  (09031218)
        464743.41   3807341.91        3.76789  (09031218)               464763.41
3807341.91        3.81225  (09031218)
        464783.41   3807341.91        3.82982  (09031218)               464803.41
3807341.91        3.83848  (09031218)
        464823.41   3807341.91        3.86632  (09031218)               464843.41
3807341.91        3.89258  (09031218)
        464863.41   3807341.91        3.91299  (09031218)               464883.41
3807341.91        3.91337  (09031218)
        464903.41   3807341.91        3.91159  (09031218)               464923.41
3807341.91        3.91274  (09031218)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
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                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                 INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                  L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                  L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                  L0006514   , L0006515   , L0006516   , L0006517   , L0006518 , L0006519   , L0006520   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
3807381.91        3.29843  (09032718)
        464543.41   3807381.91        3.27722  (09031218)                464563.41
3807381.91        3.34577  (09031218)
        464583.41   3807381.91        3.41196  (09031218)                464603.41
3807381.91        3.48551  (09031218)
        464623.41   3807381.91        3.56009  (09031218)                464643.41
3807381.91        3.63493  (09031218)
        464663.41   3807381.91        3.68390  (09031218)                464683.41
3807381.91        3.72076  (09031218)
        464703.41   3807381.91        3.76978  (09031218)                464723.41
3807381.91        3.81841  (09031218)
        464743.41   3807381.91        3.85834  (09031218)                464763.41
3807381.91        3.87157  (09031218)
        464783.41   3807381.91        3.89504  (09031218)                464803.41
3807381.91        3.92135  (09031218)
        464823.41   3807381.91        3.94901  (09031218)                464843.41
3807381.91        3.95523  (09031218)
        464863.41   3807381.91        3.95289  (09031218)                464883.41
3807381.91        3.95479  (09031218)
        464903.41   3807381.91        3.96652  (09031218)                464923.41
3807381.91        3.97923  (09031218)
        464503.41   3807401.91        3.53131  (09032718)                464523.41
3807401.91        3.36426  (09032718)
        464543.41   3807401.91        3.32498  (09031218)                464563.41
3807401.91        3.39382  (09031218)
        464583.41   3807401.91        3.48031  (09031218)                464603.41
3807401.91        3.54280  (09031218)
        464623.41   3807401.91        3.59453  (09031218)                464643.41
3807401.91        3.66680  (09031218)
        464663.41   3807401.91        3.72960  (09031218)                464683.41
3807401.91        3.77967  (09031218)
        464703.41   3807401.91        3.80235  (09031218)                464723.41
3807401.91        3.84109  (09031218)
        464743.41   3807401.91        3.88355  (09031218)                464763.41
3807401.91        3.91733  (09031218)
        464783.41   3807401.91        3.93123  (09031218)                464803.41
3807401.91        3.93941  (09031218)
        464823.41   3807401.91        3.96670  (09031218)                464843.41
3807401.91        3.97277  (09031218)
        464863.41   3807401.91        3.97358  (09031218)                464883.41
3807401.91        3.99160  (09031218)
        464903.41   3807401.91        3.99731  (09031218)                464923.41
3807401.91        4.00096  (09031218)
        464503.41   3807421.91        3.59327  (09032718)                464523.41
3807421.91        3.42424  (09032718)
        464543.41   3807421.91        3.38323  (09031218)                464563.41
3807421.91        3.46144  (09031218)
        464583.41   3807421.91        3.53163  (09031218)                464603.41
3807421.91        3.59604  (09031218)
        464623.41   3807421.91        3.65378  (09031218)                464643.41
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3807421.91 3.70399 (09031218)
  464663.41 3807421.91 3.76102 (09031218) 464683.41
3807421.91 3.81542 (09031218)
  464703.41 3807421.91 3.84986 (09031218) 464723.41
3807421.91 3.87834 (09031218)
  464743.41 3807421.91 3.90457 (09031218) 464763.41
3807421.91 3.94162 (09031218)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
  L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
  L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
  L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464783.41	3807421.91	3.96419	(09031218)	464803.41	3807421.91	3.97828	(09031218)
464823.41	3807421.91	3.98945	(09031218)	464843.41	3807421.91	3.99996	(09031218)
464863.41	3807421.91	4.00943	(09031218)	464883.41	3807421.91	4.01763	(09031218)
464903.41	3807421.91	4.02636	(09031218)	464923.41	3807421.91	4.03519	(09031218)
464503.41	3807441.91	3.64983	(09032718)	464523.41	3807441.91	3.49063	(09032718)
464543.41	3807441.91	3.44467	(09031218)	464563.41	3807441.91	3.52656	(09031218)
464583.41	3807441.91	3.58351	(09031218)	464603.41	3807441.91	3.64897	(09031218)

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        464623.41   3807441.91        3.71076  (09031218)              464643.41
3807441.91        3.74744  (09031218)
        464663.41   3807441.91        3.79413  (09031218)              464683.41
3807441.91        3.84304  (09031218)
        464703.41   3807441.91        3.89290  (09031218)              464723.41
3807441.91        3.91816  (09031218)
        464743.41   3807441.91        3.93379  (09031218)              464763.41
3807441.91        3.96265  (09031218)
        464783.41   3807441.91        3.99227  (09031218)              464803.41
3807441.91        4.01450  (09031218)
        464823.41   3807441.91        4.01149  (09031218)              464843.41
3807441.91        4.02614  (09031218)
        464863.41   3807441.91        4.04288  (09031218)              464883.41
3807441.91        4.04007  (09031218)
        464903.41   3807441.91        4.05269  (09031218)              464923.41
3807441.91        4.06770  (09031218)
        464503.41   3807461.91        3.70947  (09032718)              464523.41
3807461.91        3.57771  (09032718)
        464543.41   3807461.91        3.50802  (09031218)              464563.41
3807461.91        3.57121  (09031218)
        464583.41   3807461.91        3.65022  (09031218)              464603.41
3807461.91        3.70391  (09031218)
        464623.41   3807461.91        3.74630  (09031218)              464643.41
3807461.91        3.80614  (09031218)
        464663.41   3807461.91        3.84112  (09031218)              464683.41
3807461.91        3.86689  (09031218)
        464703.41   3807461.91        3.91516  (09031218)              464723.41
3807461.91        3.95478  (09031218)
        464743.41   3807461.91        3.98340  (09031218)              464763.41
3807461.91        3.98879  (09031218)
        464783.41   3807461.91        4.01062  (09031218)              464803.41
3807461.91        4.03264  (09031218)
        464823.41   3807461.91        4.02966  (09031218)              464843.41
3807461.91        4.04462  (09031218)
        464863.41   3807461.91        4.06189  (09031218)              464883.41
3807461.91        4.05978  (09031218)
        464903.41   3807461.91        4.07326  (09031218)              464923.41
3807461.91        4.08925  (09031218)
        464503.41   3807481.91        3.76503  (09032718)              464523.41
3807481.91        3.64221  (09032718)
        464543.41   3807481.91        3.56739  (09031218)              464563.41
3807481.91        3.63709  (09031218)
        464583.41   3807481.91        3.69865  (09031218)              464603.41
3807481.91        3.75458  (09031218)
        464623.41   3807481.91        3.80405  (09031218)              464643.41
3807481.91        3.84625  (09031218)
        464663.41   3807481.91        3.88397  (09031218)              464683.41
3807481.91        3.91650  (09031218)
        464703.41   3807481.91        3.94331  (09031218)              464723.41
3807481.91        3.97830  (09031218)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                  INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                 L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                 L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                 L0006514   , L0006515   , L0006516   , L0006517   , L0006518 , L0006519   , L0006520   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464623.41   3807501.91   3.85883 (09031218)   464643.41   3807501.91   3.88726 (09031218)
        464663.41   3807501.91   3.92670 (09031218)   464683.41   3807501.91   3.96381 (09031218)
        464703.41   3807501.91   3.97807 (09031218)   464723.41   3807501.91   4.00885 (09031218)
        464743.41   3807481.91   4.00885 (09031218)   464763.41   3807481.91   4.00894 (09031218)
        464783.41   3807481.91   4.02899 (09031218)   464803.41   3807481.91   4.05097 (09031218)
        464823.41   3807481.91   4.04818 (09031218)   464843.41   3807481.91   4.06359 (09031218)
        464863.41   3807481.91   4.08359 (09031218)   464883.41   3807481.91   4.09365 (09031218)
        464903.41   3807481.91   4.10333 (09031218)   464923.41   3807481.91   4.11326 (09031218)
        464503.41   3807501.91   3.83102 (09032718)   464523.41   3807501.91   3.71238 (09032718)
        464543.41   3807501.91   3.62645 (09031218)   464563.41   3807501.91   3.70019 (09031218)
        464583.41   3807501.91   3.74774 (09031218)   464603.41   3807501.91   3.80498 (09031218)

3807501.91 4.00406 (09031218)
464743.41 3807501.91 4.02905 (09031218) 464763.41
3807501.91 4.03491 (09031218)
464783.41 3807501.91 4.05255 (09031218) 464803.41
3807501.91 4.07044 (09031218)
464823.41 3807501.91 4.07331 (09031218) 464843.41
3807501.91 4.08732 (09031218)
464863.41 3807501.91 4.10561 (09031218) 464883.41
3807501.91 4.12646 (09031218)
464903.41 3807501.91 4.13309 (09031218) 464923.41
3807501.91 4.13789 (09031218)
464503.41 3807521.91 3.92434 (09032718) 464523.41
3807521.91 3.80971 (09032718)
464543.41 3807521.91 3.68756 (09031218) 464563.41
3807521.91 3.74136 (09031218)
464583.41 3807521.91 3.81260 (09031218) 464603.41
3807521.91 3.85754 (09031218)
464623.41 3807521.91 3.89145 (09031218) 464643.41
3807521.91 3.94400 (09031218)
464663.41 3807521.91 3.97166 (09031218) 464683.41
3807521.91 3.99027 (09031218)
464703.41 3807521.91 4.02766 (09031218) 464723.41
3807521.91 4.04322 (09031218)
464743.41 3807521.91 4.05215 (09031218) 464763.41
3807521.91 4.07905 (09031218)
464783.41 3807521.91 4.08808 (09031218) 464803.41
3807521.91 4.09287 (09031218)
464823.41 3807521.91 4.11401 (09031218) 464843.41
3807521.91 4.12132 (09031218)
464863.41 3807521.91 4.12664 (09031218) 464883.41
3807521.91 4.14848 (09031218)
464903.41 3807521.91 4.15618 (09031218) 464923.41
3807521.91 4.16206 (09031218)
464503.41 3807541.91 4.01466 (09032718) 464523.41
3807541.91 3.88375 (09032718)
464543.41 3807541.91 3.74436 (09031218) 464563.41
3807541.91 3.80528 (09031218)
464583.41 3807541.91 3.85814 (09031218) 464603.41
3807541.91 3.90570 (09031218)
464623.41 3807541.91 3.94717 (09031218) 464643.41
3807541.91 3.98181 (09031218)
464663.41 3807541.91 4.01256 (09031218) 464683.41
3807541.91 4.03877 (09031218)
464703.41 3807541.91 4.05995 (09031218) 464723.41
3807541.91 4.07892 (09031218)
464743.41 3807541.91 4.09516 (09031218) 464763.41
3807541.91 4.10834 (09031218)
464783.41 3807541.91 4.11031 (09031218) 464803.41
3807541.91 4.11279 (09031218)
464823.41 3807541.91 4.13801 (09031218) 464843.41

3807541.91   4.15343 (09031218)
        464863.41   3807541.91   4.16436 (09031218)   464883.41
3807541.91   4.17506 (09031218)
        464903.41   3807541.91   4.18698 (09031218)   464923.41
3807541.91   4.19960 (09031218)
        464503.41   3807561.91   4.09609 (09032718)   464523.41
3807561.91   3.95806 (09032718)
        464543.41   3807561.91   3.81092 (09032718)   464563.41
3807561.91   3.86622 (09031218)
        464583.41   3807561.91   3.90450 (09031218)   464603.41
3807561.91   3.95367 (09031218)
        464623.41   3807561.91   3.99984 (09031218)   464643.41
3807561.91   4.02070 (09031218)
        464663.41   3807561.91   4.05347 (09031218)   464683.41
3807561.91   4.08445 (09031218)
        464703.41   3807561.91   4.09356 (09031218)   464723.41
3807561.91   4.11491 (09031218)
        464743.41   3807561.91   4.13486 (09031218)   464763.41
3807561.91   4.13224 (09031218)
        464783.41   3807561.91   4.13385 (09031218)   464803.41
3807561.91   4.14048 (09031218)
        464823.41   3807561.91   4.16036 (09031218)   464843.41
3807561.91   4.18253 (09031218)
        464863.41   3807561.91   4.20055 (09031218)   464883.41
3807561.91   4.20191 (09031218)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                    INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                  L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                  L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                  L0006514   , L0006515   , L0006516   , L0006517   , L0006518 , L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464903.41	3807561.91	4.21776	(09031218)	464923.41	3807561.91	4.23661	(09031218)
464503.41	3807581.91	4.15542	(09032718)	464523.41	3807581.91	4.04968	(09032718)
464543.41	3807581.91	3.89658	(09032718)	464563.41	3807581.91	3.90401	(09031218)
464583.41	3807581.91	3.96742	(09031218)	464603.41	3807581.91	4.00396	(09031218)
464623.41	3807581.91	4.02998	(09031218)	464643.41	3807581.91	4.07560	(09031218)
464663.41	3807581.91	4.09674	(09031218)	464683.41	3807581.91	4.10971	(09031218)
464703.41	3807581.91	4.14179	(09031218)	464723.41	3807581.91	4.15323	(09031218)
464743.41	3807581.91	4.15432	(09031218)	464763.41	3807581.91	4.15187	(09031218)
464783.41	3807581.91	4.16709	(09031218)	464803.41	3807581.91	4.18544	(09031218)
464823.41	3807581.91	4.18769	(09031218)	464843.41	3807581.91	4.20509	(09031218)
464863.41	3807581.91	4.22423	(09031218)	464883.41	3807581.91	4.22671	(09031218)
464903.41	3807581.91	4.24377	(09031218)	464923.41	3807581.91	4.26578	(09031218)
464503.41	3807601.91	4.24421	(09032718)	464523.41	3807601.91	4.14846	(09032718)
464543.41	3807601.91	3.99702	(09032718)	464563.41	3807601.91	3.96590	(09031218)
464583.41	3807601.91	4.01027	(09031218)	464603.41	3807601.91	4.04982	(09031218)
464623.41	3807601.91	4.08379	(09031218)	464643.41	3807601.91	4.11154	(09031218)
464663.41	3807601.91	4.13609	(09031218)	464683.41	3807601.91	4.15682	(09031218)
464703.41	3807601.91	4.17334	(09031218)	464723.41	3807601.91	4.17648	(09031218)
464743.41	3807601.91	4.17699	(09031218)	464763.41	3807601.91	4.19075	(09031218)
464783.41	3807601.91	4.20277	(09031218)	464803.41	3807601.91	4.21406	(09031218)
464823.41	3807601.91	4.22653	(09031218)	464843.41	3807601.91	4.23853	(09031218)
464863.41	3807601.91	4.25076	(09031218)	464883.41	3807601.91	4.26459	(09031218)
464903.41	3807601.91	4.27858	(09031218)	464923.41	3807601.91	4.29432	(09031218)

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        464503.41   3807621.91        4.33955  (09032718)               464523.41
3807621.91        4.24068  (09032718)
        464543.41   3807621.91        4.09065  (09032718)               464563.41
3807621.91        4.02464  (09031218)
        464583.41   3807621.91        4.05412  (09031218)               464603.41
3807621.91        4.09560  (09031218)
        464623.41   3807621.91        4.13454  (09031218)               464643.41
3807621.91        4.14877  (09031218)
        464663.41   3807621.91        4.17561  (09031218)               464683.41
3807621.91        4.20016  (09031218)
        464703.41   3807621.91        4.19863  (09031218)               464723.41
3807621.91        4.20096  (09031218)
        464743.41   3807621.91        4.20816  (09031218)               464763.41
3807621.91        4.22965  (09031218)
        464783.41   3807621.91        4.23872  (09031218)               464803.41
3807621.91        4.24531  (09031218)
        464823.41   3807621.91        4.26449  (09031218)               464843.41
3807621.91        4.27458  (09031218)
        464863.41   3807621.91        4.28351  (09031218)               464883.41
3807621.91        4.30290  (09031218)
        464903.41   3807621.91        4.31567  (09031218)               464923.41
3807621.91        4.32790  (09031218)
        464503.41   3807641.91        4.43241  (09032718)               464523.41
3807641.91        4.31018  (09032718)
        464543.41   3807641.91        4.15530  (09032718)               464563.41
3807641.91        4.05939  (09031218)
        464583.41   3807641.91        4.11511  (09031218)               464603.41
3807641.91        4.14386  (09031218)
        464623.41   3807641.91        4.16282  (09031218)               464643.41
3807641.91        4.20200  (09031218)
        464663.41   3807641.91        4.21759  (09031218)               464683.41
3807641.91        4.22068  (09031218)
        464703.41   3807641.91        4.21889  (09031218)               464723.41
3807641.91        4.23613  (09031218)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 490
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1I1 ***
                                   INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
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L0006514 , L0006515 , L0006516 , L0006517 , L0006518
, L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464743.41	3807641.91	4.25624	(09031218)	464763.41	3807641.91	4.25751	(09031218)
464783.41	3807641.91	4.27302	(09031218)	464803.41	3807641.91	4.29054	(09031218)
464823.41	3807641.91	4.29399	(09031218)	464843.41	3807641.91	4.30963	(09031218)
464863.41	3807641.91	4.32743	(09031218)	464883.41	3807641.91	4.33496	(09031218)
464903.41	3807641.91	4.35226	(09031218)	464923.41	3807641.91	4.37137	(09031218)
464503.41	3807661.91	4.53003	(09032718)	464523.41	3807661.91	4.40669	(09032718)
464543.41	3807661.91	4.25401	(09032718)	464563.41	3807661.91	4.11928	(09031218)
464583.41	3807661.91	4.15562	(09031218)	464603.41	3807661.91	4.18775	(09031218)
464623.41	3807661.91	4.21493	(09031218)	464643.41	3807661.91	4.23664	(09031218)
464663.41	3807661.91	4.25590	(09031218)	464683.41	3807661.91	4.26954	(09031218)
464703.41	3807661.91	4.26663	(09031218)	464723.41	3807661.91	4.27387	(09031218)
464743.41	3807661.91	4.28569	(09031218)	464763.41	3807661.91	4.29824	(09031218)
464783.41	3807661.91	4.30976	(09031218)	464803.41	3807661.91	4.32114	(09031218)
464823.41	3807661.91	4.33404	(09031218)	464843.41	3807661.91	4.34692	(09031218)
464863.41	3807661.91	4.36033	(09031218)	464883.41	3807661.91	4.37540	(09031218)
464903.41	3807661.91	4.39078	(09031218)	464923.41	3807661.91	4.40677	(09031218)
464503.41	3807681.91	4.62980	(09032718)	464523.41	3807681.91	4.51144	(09032718)
464543.41	3807681.91	4.36296	(09032718)	464563.41	3807681.91	4.18772	(09031218)
464583.41	3807681.91	4.20058	(09031218)	464603.41			

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3807681.91        4.23171  (09031218)
        464623.41   3807681.91        4.26405  (09031218)                464643.41
3807681.91        4.27277  (09031218)
        464663.41   3807681.91        4.29456  (09031218)                464683.41
3807681.91        4.31576  (09031218)
        464703.41   3807681.91        4.31825  (09031218)                464723.41
3807681.91        4.31686  (09031218)
        464743.41   3807681.91        4.31792  (09031218)                464763.41
3807681.91        4.33785  (09031218)
        464783.41   3807681.91        4.34695  (09031218)                464803.41
3807681.91        4.35438  (09031218)
        464823.41   3807681.91        4.37345  (09031218)                464843.41
3807681.91        4.38484  (09031218)
        464863.41   3807681.91        4.39559  (09031218)                464883.41
3807681.91        4.41554  (09031218)
        464903.41   3807681.91        4.43001  (09031218)                464923.41
3807681.91        4.44417  (09031218)
        464523.41   3807701.91        4.61649  (09032718)                464543.41
3807701.91        4.47252  (09032718)
        464563.41   3807701.91        4.29890  (09032718)                464583.41
3807701.91        4.26802  (09031218)
        464603.41   3807701.91        4.27827  (09031218)                464623.41
3807701.91        4.29121  (09031218)
        464643.41   3807701.91        4.32460  (09031218)                464663.41
3807701.91        4.33576  (09031218)
        464683.41   3807701.91        4.34100  (09031218)                464703.41
3807701.91        4.36483  (09031218)
        464723.41   3807701.91        4.36849  (09031218)                464743.41
3807701.91        4.36593  (09031218)
        464763.41   3807701.91        4.36765  (09031218)                464783.41
3807701.91        4.38287  (09031218)
        464803.41   3807701.91        4.40023  (09031218)                464823.41
3807701.91        4.40566  (09031218)
        464843.41   3807701.91        4.42211  (09031218)                464863.41
3807701.91        4.44058  (09031218)
        464883.41   3807701.91        4.45061  (09031218)                464903.41
3807701.91        4.46900  (09031218)
        464923.41   3807701.91        4.48888  (09031218)                464543.41
3807721.91        4.56750  (09032718)
        464563.41   3807721.91        4.37867  (09032718)                464583.41
3807721.91        4.30158  (09031218)
        464603.41   3807721.91        4.30577  (09031218)                464623.41
3807721.91        4.31398  (09031218)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 491
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 , L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 , L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 , L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464643.41	3807721.91	4.35190	(09031218)	464663.41	3807721.91	4.37364	(09031218)
464683.41	3807721.91	4.38653	(09031218)	464703.41	3807721.91	4.39698	(09031218)
464723.41	3807721.91	4.39732	(09031218)	464743.41	3807721.91	4.39706	(09031218)
464763.41	3807721.91	4.40933	(09031218)	464783.41	3807721.91	4.42118	(09031218)
464803.41	3807721.91	4.43338	(09031218)	464823.41	3807721.91	4.44729	(09031218)
464843.41	3807721.91	4.46150	(09031218)	464863.41	3807721.91	4.47642	(09031218)
464883.41	3807721.91	4.49291	(09031218)	464903.41	3807721.91	4.50979	(09031218)
464923.41	3807721.91	4.52723	(09031218)	464943.41	3807721.91	4.54571	(09031218)
464963.41	3807721.91	4.56429	(09031218)	464983.41	3807721.91	4.58300	(09031218)
465003.41	3807721.91	4.60213	(09031218)	465023.41	3807721.91	4.62098	(09031218)
465043.41	3807721.91	4.63957	(09031218)	465063.41	3807721.91	4.65808	(09031218)
465083.41	3807721.91	4.67604	(09031218)	465103.41	3807721.91	4.69315	(09031218)
465123.41	3807721.91	4.70791	(09031218)	465143.41	3807721.91	4.72387	(09031218)
465163.41	3807721.91	4.73978	(09031218)	465183.41	3807721.91	4.75233	(09031218)

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        465203.41   3807721.91        4.76644  (09031218)              465223.41
3807721.91        4.78154  (09031218)
        465243.41   3807721.91        4.79683  (09031218)              465263.41
3807721.91        4.81183  (09031218)
        465283.41   3807721.91        4.82604  (09031218)              465303.41
3807721.91        4.83672  (09031218)
        465323.41   3807721.91        4.85084  (09031218)              465343.41
3807721.91        4.86607  (09031218)
        465363.41   3807721.91        4.87660  (09031218)              465383.41
3807721.91        4.89095  (09031218)
        464543.41   3807741.91        4.68669  (09032718)              464563.41
3807741.91        4.47432  (09032718)
        464583.41   3807741.91        4.34104  (09031218)              464603.41
3807741.91        4.34108  (09031218)
        464623.41   3807741.91        4.34809  (09031218)              464643.41
3807741.91        4.38490  (09031218)
        464663.41   3807741.91        4.41207  (09031218)              464683.41
3807741.91        4.42886  (09031218)
        464703.41   3807741.91        4.42427  (09031218)              464723.41
3807741.91        4.42482  (09031218)
        464743.41   3807741.91        4.43103  (09031218)              464763.41
3807741.91        4.45016  (09031218)
        464783.41   3807741.91        4.46011  (09031218)              464803.41
3807741.91        4.46911  (09031218)
        464823.41   3807741.91        4.48851  (09031218)              464843.41
3807741.91        4.49949  (09031218)
        464863.41   3807741.91        4.51050  (09031218)              464883.41
3807741.91        4.53438  (09031218)
        464903.41   3807741.91        4.54985  (09031218)              464923.41
3807741.91        4.56457  (09031218)
        464943.41   3807741.91        4.58828  (09031218)              464963.41
3807741.91        4.60585  (09031218)
        464983.41   3807741.91        4.62254  (09031218)              465003.41
3807741.91        4.64522  (09031218)
        465023.41   3807741.91        4.66396  (09031218)              465043.41
3807741.91        4.68170  (09031218)
        465063.41   3807741.91        4.70130  (09031218)              465083.41
3807741.91        4.71833  (09031218)
        465103.41   3807741.91        4.73373  (09031218)              465123.41
3807741.91        4.74913  (09031218)
        465143.41   3807741.91        4.76639  (09031218)              465163.41
3807741.91        4.78342  (09031218)
        465183.41   3807741.91        4.79756  (09031218)              465203.41
3807741.91        4.81028  (09031218)
        465223.41   3807741.91        4.82265  (09031218)              465243.41
3807741.91        4.83997  (09031218)
        465263.41   3807741.91        4.85325  (09031218)              465283.41
3807741.91        4.86425  (09031218)
        465303.41   3807741.91        4.87654  (09031218)              465323.41
3807741.91        4.89349  (09031218)
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                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                  INCLUDING SOURCE(S):   L0006493   , L0006494
, L0006495   , L0006496   , L0006497   ,
                  L0006498   , L0006499   , L0006500   , L0006501   , L0006502
, L0006503   , L0006504   , L0006505   ,
                  L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                  L0006514   , L0006515   , L0006516   , L0006517   , L0006518
, L0006519   , L0006520   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465383.41   3807741.91   4.93697 (09031218)   464543.41
3807761.91   4.87140 (09032718)
        464563.41   3807761.91   4.63229 (09032718)   464583.41
3807761.91   4.41596 (09031218)
        464603.41   3807761.91   4.40437 (09031218)   464623.41
3807761.91   4.40979 (09031218)
        464643.41   3807761.91   4.44351 (09031218)   464663.41
3807761.91   4.45306 (09031218)
        464683.41   3807761.91   4.45166 (09031218)   464703.41
3807761.91   4.44788 (09031218)
        464723.41   3807761.91   4.46196 (09031218)   464743.41
3807761.91   4.47935 (09031218)
        464763.41   3807761.91   4.48254 (09031218)   464783.41
3807761.91   4.49815 (09031218)
        464803.41   3807761.91   4.51589 (09031218)   464823.41
3807761.91   4.52387 (09031218)
        464843.41   3807761.91   4.53238 (09031218)   464863.41
3807761.91   4.54463 (09031218)
        464883.41   3807761.91   4.56997 (09031218)   464903.41

3807761.91 4.58653 (09031218)
464923.41 3807761.91 4.60207 (09031218) 464943.41
3807761.91 4.62699 (09031218)
464963.41 3807761.91 4.64520 (09031218) 464983.41
3807761.91 4.66222 (09031218)
465003.41 3807761.91 4.68582 (09031218) 465023.41
3807761.91 4.70723 (09031218)
465043.41 3807761.91 4.72671 (09031218) 465063.41
3807761.91 4.74369 (09031218)
465083.41 3807761.91 4.75958 (09031218) 465103.41
3807761.91 4.77514 (09031218)
465123.41 3807761.91 4.79400 (09031218) 465143.41
3807761.91 4.80980 (09031218)
465163.41 3807761.91 4.82449 (09031218) 465183.41
3807761.91 4.84176 (09031218)
465203.41 3807761.91 4.85597 (09031218) 465223.41
3807761.91 4.86837 (09031218)
465243.41 3807761.91 4.88076 (09031218) 465263.41
3807761.91 4.89187 (09031218)
465283.41 3807761.91 4.90358 (09031218) 465303.41
3807761.91 4.92286 (09031218)
465323.41 3807761.91 4.93758 (09031218) 465343.41
3807761.91 4.95140 (09031218)
465363.41 3807761.91 4.97170 (09031218) 465383.41
3807761.91 4.98647 (09031218)
464543.41 3807781.91 5.07054 (09032718) 464563.41
3807781.91 4.83209 (09032718)
464583.41 3807781.91 4.59812 (09032718) 464603.41
3807781.91 4.51459 (09031218)
464623.41 3807781.91 4.49293 (09031218) 464643.41
3807781.91 4.48496 (09031218)
464663.41 3807781.91 4.49117 (09031218) 464683.41
3807781.91 4.49958 (09031218)
464703.41 3807781.91 4.49555 (09031218) 464723.41
3807781.91 4.50169 (09031218)
464743.41 3807781.91 4.51286 (09031218) 464763.41
3807781.91 4.52564 (09031218)
464783.41 3807781.91 4.53851 (09031218) 464803.41
3807781.91 4.55050 (09031218)
464823.41 3807781.91 4.55747 (09031218) 464843.41
3807781.91 4.57229 (09031218)
464863.41 3807781.91 4.59049 (09031218) 464883.41
3807781.91 4.60901 (09031218)
464903.41 3807781.91 4.62851 (09031218) 464923.41
3807781.91 4.64842 (09031218)
464943.41 3807781.91 4.66827 (09031218) 464963.41
3807781.91 4.68849 (09031218)
464983.41 3807781.91 4.70860 (09031218) 465003.41
3807781.91 4.72827 (09031218)
465023.41 3807781.91 4.74958 (09031218) 465043.41

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3807781.91        4.76972  (09031218)
        465063.41   3807781.91        4.78594  (09031218)                465083.41
3807781.91        4.80310  (09031218)
        465103.41   3807781.91        4.82044  (09031218)                465123.41
3807781.91        4.83707  (09031218)
        465143.41   3807781.91        4.85330  (09031218)                465163.41
3807781.91        4.86908  (09031218)
        465183.41   3807781.91        4.88436  (09031218)                465203.41
3807781.91        4.89780  (09031218)
        465223.41   3807781.91        4.91024  (09031218)                465243.41
3807781.91        4.92541  (09031218)
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        465263.41   3807781.91        4.93813  (09031218)                465283.41
3807781.91        4.94972  (09031218)
        465303.41   3807781.91        4.96524  (09031218)                465323.41
3807781.91        4.98145  (09031218)
        465343.41   3807781.91        4.99807  (09031218)                465363.41
3807781.91        5.01476  (09031218)
        465383.41   3807781.91        5.02850  (09031218)                464543.41
3807801.91        5.26004  (09032718)
        464563.41   3807801.91        5.03782  (09032718)                464583.41
3807801.91        4.80098  (09032718)
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        464603.41   3807801.91        4.61652  (09031218)              464623.41
3807801.91        4.56893  (09031218)
        464643.41   3807801.91        4.52890  (09031218)              464663.41
3807801.91        4.53002  (09031218)
        464683.41   3807801.91        4.54448  (09031218)              464703.41
3807801.91        4.54047  (09031218)
        464723.41   3807801.91        4.54195  (09031218)              464743.41
3807801.91        4.54918  (09031218)
        464763.41   3807801.91        4.56814  (09031218)              464783.41
3807801.91        4.57714  (09031218)
        464803.41   3807801.91        4.58380  (09031218)              464823.41
3807801.91        4.59540  (09031218)
        464843.41   3807801.91        4.61511  (09031218)              464863.41
3807801.91        4.63617  (09031218)
        464883.41   3807801.91        4.65165  (09031218)              464903.41
3807801.91        4.67284  (09031218)
        464923.41   3807801.91        4.69472  (09031218)              464943.41
3807801.91        4.71232  (09031218)
        464963.41   3807801.91        4.73362  (09031218)              464983.41
3807801.91        4.75500  (09031218)
        465003.41   3807801.91        4.77285  (09031218)              465023.41
3807801.91        4.79299  (09031218)
        465043.41   3807801.91        4.81278  (09031218)              465063.41
3807801.91        4.82957  (09031218)
        465083.41   3807801.91        4.84784  (09031218)              465103.41
3807801.91        4.86567  (09031218)
        465123.41   3807801.91        4.88095  (09031218)              465143.41
3807801.91        4.89743  (09031218)
        465163.41   3807801.91        4.91354  (09031218)              465183.41
3807801.91        4.92671  (09031218)
        465203.41   3807801.91        4.93964  (09031218)              465223.41
3807801.91        4.95323  (09031218)
        465243.41   3807801.91        4.97021  (09031218)              465263.41
3807801.91        4.98391  (09031218)
        465283.41   3807801.91        4.99571  (09031218)              465303.41
3807801.91        5.00877  (09031218)
        465323.41   3807801.91        5.02622  (09031218)              465343.41
3807801.91        5.04436  (09031218)
        465363.41   3807801.91        5.05683  (09031218)              465383.41
3807801.91        5.07039  (09031218)
        464543.41   3807821.91        5.42572  (09032718)              464563.41
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        464583.41   3807821.91        4.97770  (09032718)              464603.41
3807821.91        4.68811  (09031218)
        464623.41   3807821.91        4.62446  (09031218)              464643.41
3807821.91        4.58461  (09031218)
        464663.41   3807821.91        4.57143  (09031218)              464683.41
3807821.91        4.56988  (09031218)
        464703.41   3807821.91        4.56713  (09031218)              464723.41
3807821.91        4.58102  (09031218)
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        464743.41   3807821.91        4.59820  (09031218)               464763.41
3807821.91        4.60371  (09031218)
        464783.41   3807821.91        4.60981  (09031218)               464803.41
3807821.91        4.62003  (09031218)
        464823.41   3807821.91        4.64351  (09031218)               464843.41
3807821.91        4.65992  (09031218)
        464863.41   3807821.91        4.67594  (09031218)               464883.41
3807821.91        4.69996  (09031218)
        464903.41   3807821.91        4.71878  (09031218)               464923.41
3807821.91        4.73703  (09031218)
        464943.41   3807821.91        4.76057  (09031218)               464963.41
3807821.91        4.78006  (09031218)
        464983.41   3807821.91        4.79864  (09031218)               465003.41
3807821.91        4.82060  (09031218)
        465023.41   3807821.91        4.83923  (09031218)               465043.41
3807821.91        4.85674  (09031218)
        465063.41   3807821.91        4.87648  (09031218)               465083.41
3807821.91        4.89347  (09031218)
        465103.41   3807821.91        4.90935  (09031218)               465123.41
3807821.91        4.92699  (09031218)
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 494
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1I1 ***
                                  INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                  L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                  L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                  L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        465143.41   3807821.91        4.94238  (09031218)               465163.41
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3807821.91        4.95622  (09031218)
        465183.41   3807821.91        4.96853  (09031218)                465203.41
3807821.91        4.98403  (09031218)
        465223.41   3807821.91        5.00034  (09031218)                465243.41
3807821.91        5.01318  (09031218)
        465263.41   3807821.91        5.02500  (09031218)                465283.41
3807821.91        5.03745  (09031218)
        465303.41   3807821.91        5.05691  (09031218)                465323.41
3807821.91        5.07239  (09031218)
        465343.41   3807821.91        5.08573  (09031218)                465363.41
3807821.91        5.09780  (09031218)
        465383.41   3807821.91        5.11647  (09031218)                464543.41
3807841.91        5.60514  (09032718)
        464563.41   3807841.91        5.43954  (09032718)                464583.41
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        464603.41   3807841.91        4.87334  (09032718)                464623.41
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        464643.41   3807841.91        4.66166  (09031218)                464663.41
3807841.91        4.63520  (09031218)
        464683.41   3807841.91        4.61802  (09031218)                464723.41
3807841.91        4.62261  (09031218)
        464743.41   3807841.91        4.63287  (09031218)                464763.41
3807841.91        4.63713  (09031218)
        464783.41   3807841.91        4.65045  (09031218)                464803.41
3807841.91        4.66769  (09031218)
        464823.41   3807841.91        4.68541  (09031218)                464843.41
3807841.91        4.70445  (09031218)
        464863.41   3807841.91        4.72417  (09031218)                464883.41
3807841.91        4.74412  (09031218)
        464903.41   3807841.91        4.76474  (09031218)                464923.41
3807841.91        4.78551  (09031218)
        464943.41   3807841.91        4.80606  (09031218)                464963.41
3807841.91        4.82663  (09031218)
        464983.41   3807841.91        4.84686  (09031218)                465003.41
3807841.91        4.86646  (09031218)
        465023.41   3807841.91        4.88566  (09031218)                465043.41
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        465063.41   3807841.91        4.92205  (09031218)                465083.41
3807841.91        4.93933  (09031218)
        465103.41   3807841.91        4.95599  (09031218)                465123.41
3807841.91        4.97199  (09031218)
        465143.41   3807841.91        4.98760  (09031218)                465163.41
3807841.91        5.00265  (09031218)
        465183.41   3807841.91        5.01563  (09031218)                465203.41
3807841.91        5.02953  (09031218)
        465223.41   3807841.91        5.04436  (09031218)                465243.41
3807841.91        5.05962  (09031218)
        465263.41   3807841.91        5.07300  (09031218)                465283.41
3807841.91        5.08552  (09031218)
        465303.41   3807841.91        5.10167  (09031218)                465323.41
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                INCLUDING SOURCE(S):   L0006493   , L0006494
, L0006495   , L0006496   , L0006497   ,
                L0006498   , L0006499   , L0006500   , L0006501   , L0006502
, L0006503   , L0006504   , L0006505   ,
                L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                L0006514   , L0006515   , L0006516   , L0006517   , L0006518
, L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465103.41	3807861.91	5.00267	(09031218)	465123.41	3807861.91	5.01777	(09031218)
465143.41	3807861.91	5.03350	(09031218)	465163.41	3807861.91	5.04898	(09031218)
465183.41	3807861.91	5.06320	(09031218)	465203.41	3807861.91	5.07649	(09031218)
465223.41	3807861.91	5.08950	(09031218)	465243.41	3807861.91	5.10631	(09031218)
465263.41	3807861.91	5.12064	(09031218)	465283.41	3807861.91	5.13354	(09031218)
465303.41	3807861.91	5.14763	(09031218)	465323.41	3807861.91	5.16076	(09031218)
465343.41	3807861.91	5.17451	(09031218)	465363.41	3807861.91	5.19557	(09031218)
465383.41	3807861.91	5.21256	(09031218)	464503.41	3807881.91	5.98010	(09032718)
464523.41	3807881.91	5.93847	(09032718)	464543.41	3807881.91	5.84960	(09032718)
464723.41	3807881.91	4.69424	(09031218)	464743.41	3807881.91	4.69913	(09031218)
464763.41	3807881.91	4.70650	(09031218)	464783.41	3807881.91	4.72858	(09031218)
464803.41	3807881.91	4.75528	(09031218)	464823.41	3807881.91	4.77931	(09031218)
464843.41	3807881.91	4.79776	(09031218)	464863.41	3807881.91	4.81594	(09031218)
464883.41	3807881.91	4.84011	(09031218)	464903.41	3807881.91	4.86024	(09031218)
464923.41	3807881.91	4.87977	(09031218)	464943.41	3807881.91	4.90279	(09031218)
464963.41	3807881.91	4.92270	(09031218)	464983.41	3807881.91	4.94169	(09031218)
465003.41	3807881.91	4.96254	(09031218)	465023.41	3807881.91	4.98095	(09031218)
465043.41	3807881.91	4.99831	(09031218)	465063.41	3807881.91	5.01669	(09031218)
465083.41	3807881.91	5.03319	(09031218)	465103.41	3807881.91	5.04874	(09031218)
465123.41	3807881.91	5.06515	(09031218)	465143.41	3807881.91	5.08019	(09031218)
465163.41	3807881.91	5.09461	(09031218)	465183.41	3807881.91	5.11013	(09031218)

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        465203.41   3807881.91        5.12460  (09031218)               465223.41
3807881.91        5.13817  (09031218)
        465243.41   3807881.91        5.15173  (09031218)               465263.41
3807881.91        5.16455  (09031218)
        465283.41   3807881.91        5.17803  (09031218)               465303.41
3807881.91        5.19775  (09031218)
        465323.41   3807881.91        5.21336  (09031218)               465343.41
3807881.91        5.22716  (09031218)
        465363.41   3807881.91        5.24172  (09031218)               465383.41
3807881.91        5.26300  (09031218)
        464723.41   3807901.91        4.74619  (09031218)               464743.41
3807901.91        4.73635  (09031218)
        464763.41   3807901.91        4.75556  (09031218)               464783.41
3807901.91        4.77456  (09031218)
        464803.41   3807901.91        4.79561  (09031218)               464823.41
3807901.91        4.82277  (09031218)
        464843.41   3807901.91        4.84175  (09031218)               464863.41
3807901.91        4.85983  (09031218)
        464883.41   3807901.91        4.88623  (09031218)               464903.41
3807901.91        4.90899  (09031218)
        464923.41   3807901.91        4.93028  (09031218)               464943.41
3807901.91        4.95112  (09031218)
        464963.41   3807901.91        4.97006  (09031218)               464983.41
3807901.91        4.98842  (09031218)
        465003.41   3807901.91        5.01027  (09031218)               465023.41
3807901.91        5.02944  (09031218)
        465043.41   3807901.91        5.04732  (09031218)               465063.41
3807901.91        5.06443  (09031218)
        465083.41   3807901.91        5.08093  (09031218)               465103.41
3807901.91        5.09686  (09031218)
        465123.41   3807901.91        5.11227  (09031218)               465143.41
3807901.91        5.12735  (09031218)
        465163.41   3807901.91        5.14220  (09031218)               465183.41
3807901.91        5.15692  (09031218)
        465203.41   3807901.91        5.17104  (09031218)               465223.41
3807901.91        5.18461  (09031218)
        465243.41   3807901.91        5.20016  (09031218)               465263.41
3807901.91        5.21448  (09031218)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                   PAGE 496
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1I1 ***
                                   INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
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                L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465283.41   3807901.91        5.22824  (09031218)               465303.41
3807901.91        5.24519  (09031218)
        465323.41   3807901.91        5.26383  (09031218)               465343.41
3807901.91        5.28421  (09031218)
        465363.41   3807901.91        5.29853  (09031218)               465383.41
3807901.91        5.31682  (09031218)
        464723.41   3807921.91        4.80541  (09031218)               464743.41
3807921.91        4.78556  (09031218)
        464763.41   3807921.91        4.80612  (09031218)               464783.41
3807921.91        4.82315  (09031218)
        464803.41   3807921.91        4.84110  (09031218)               464823.41
3807921.91        4.86655  (09031218)
        464843.41   3807921.91        4.88735  (09031218)               464863.41
3807921.91        4.90788  (09031218)
        464883.41   3807921.91        4.93468  (09031218)               464903.41
3807921.91        4.95878  (09031218)
        464923.41   3807921.91        4.98076  (09031218)               464943.41
3807921.91        4.99959  (09031218)
        464963.41   3807921.91        5.01832  (09031218)               464983.41
3807921.91        5.03747  (09031218)
        465003.41   3807921.91        5.05927  (09031218)               465023.41
3807921.91        5.07868  (09031218)
        465043.41   3807921.91        5.09648  (09031218)               465063.41
3807921.91        5.11297  (09031218)
        465083.41   3807921.91        5.12939  (09031218)               465103.41
3807921.91        5.14519  (09031218)
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3807921.91        5.17521  (09031218)
        465163.41   3807921.91        5.19001  (09031218)               465183.41
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        465203.41   3807921.91        5.21845  (09031218)               465223.41
3807921.91        5.23218  (09031218)
        465243.41   3807921.91        5.24897  (09031218)               465263.41
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3807921.91        5.29545  (09031218)
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3807921.91        5.33908  (09031218)
        465363.41   3807921.91        5.35415  (09031218)                465383.41
3807921.91        5.36926  (09031218)
        464723.41   3807941.91        4.86728  (09031218)                464743.41
3807941.91        4.85387  (09031218)
        464763.41   3807941.91        4.85357  (09031218)                464783.41
3807941.91        4.87172  (09031218)
        464803.41   3807941.91        4.89611  (09031218)                464823.41
3807941.91        4.91366  (09031218)
        464843.41   3807941.91        4.93763  (09031218)                464863.41
3807941.91        4.96349  (09031218)
        464883.41   3807941.91        4.98859  (09031218)                464903.41
3807941.91        5.00984  (09031218)
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        464963.41   3807941.91        5.06922  (09031218)                464983.41
3807941.91        5.09077  (09031218)
        465003.41   3807941.91        5.11074  (09031218)                465023.41
3807941.91        5.12871  (09031218)
        465043.41   3807941.91        5.14571  (09031218)                465063.41
3807941.91        5.16263  (09031218)
        465083.41   3807941.91        5.17859  (09031218)                465103.41
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        465123.41   3807941.91        5.20903  (09031218)                465143.41
3807941.91        5.22380  (09031218)
        465163.41   3807941.91        5.23830  (09031218)                465183.41
3807941.91        5.25305  (09031218)
        465203.41   3807941.91        5.26798  (09031218)                465223.41
3807941.91        5.28261  (09031218)
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3807941.91        5.31613  (09031218)
        465283.41   3807941.91        5.33845  (09031218)                465303.41
3807941.91        5.35438  (09031218)
        465323.41   3807941.91        5.37144  (09031218)                465343.41
3807941.91        5.38725  (09031218)
        465363.41   3807941.91        5.40190  (09031218)                465383.41
3807941.91        5.41996  (09031218)
        465403.41   3807941.91        5.43733  (09031218)                465423.41
3807941.91        5.45018  (09031218)
        465443.41   3807941.91        5.46029  (09031218)                465463.41
3807941.91        5.46577  (09031218)
        465483.41   3807941.91        5.46987  (09031218)                465503.41
3807941.91        5.46889  (09031218)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 , L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 , L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 , L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465523.41	3807941.91	5.46466	(09031218)	465543.41	3807941.91	5.45800	(09031218)
465563.41	3807941.91	5.44132	(09031218)	465583.41	3807941.91	5.41634	(09031218)
465603.41	3807941.91	5.38296	(09031218)	465623.41	3807941.91	5.34303	(09031218)
465643.41	3807941.91	5.29408	(09031218)	465663.41	3807941.91	5.23396	(09031218)
465683.41	3807941.91	5.16336	(09031218)	465703.41	3807941.91	5.13356	(09011918)
464723.41	3807961.91	4.91830	(09031218)	464743.41	3807961.91	4.91548	(09031218)
464763.41	3807961.91	4.91107	(09031218)	464783.41	3807961.91	4.92256	(09031218)
464803.41	3807961.91	4.94426	(09031218)	464823.41	3807961.91	4.96718	(09031218)
464843.41	3807961.91	4.98976	(09031218)	464863.41	3807961.91	5.01306	(09031218)
464883.41	3807961.91	5.03878	(09031218)	464903.41	3807961.91	5.05993	(09031218)
464923.41	3807961.91	5.07950	(09031218)	464943.41	3807961.91	5.10094	(09031218)
464963.41	3807961.91	5.12133	(09031218)	464983.41	3807961.91	5.14123	(09031218)

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        465003.41   3807961.91        5.16136  (09031218)               465023.41
3807961.91        5.17891  (09031218)
        465043.41   3807961.91        5.19515  (09031218)               465063.41
3807961.91        5.21261  (09031218)
        465083.41   3807961.91        5.22842  (09031218)               465103.41
3807961.91        5.24363  (09031218)
        465123.41   3807961.91        5.25847  (09031218)               465143.41
3807961.91        5.27308  (09031218)
        465163.41   3807961.91        5.28764  (09031218)               465183.41
3807961.91        5.30233  (09031218)
        465203.41   3807961.91        5.31835  (09031218)               465223.41
3807961.91        5.33689  (09031218)
        465243.41   3807961.91        5.35251  (09031218)               465263.41
3807961.91        5.37069  (09031218)
        465283.41   3807961.91        5.38940  (09031218)               465303.41
3807961.91        5.40535  (09031218)
        465323.41   3807961.91        5.42258  (09031218)               465343.41
3807961.91        5.44019  (09031218)
        465363.41   3807961.91        5.45572  (09031218)               465383.41
3807961.91        5.47193  (09031218)
        465403.41   3807961.91        5.48768  (09031218)               465423.41
3807961.91        5.50246  (09031218)
        465443.41   3807961.91        5.51253  (09031218)               465463.41
3807961.91        5.51379  (09031218)
        465483.41   3807961.91        5.51985  (09031218)               465503.41
3807961.91        5.51793  (09031218)
        465523.41   3807961.91        5.51013  (09031218)               465543.41
3807961.91        5.49811  (09031218)
        465563.41   3807961.91        5.47747  (09031218)               465583.41
3807961.91        5.44893  (09031218)
        465603.41   3807961.91        5.41360  (09031218)               465623.41
3807961.91        5.36959  (09031218)
        465643.41   3807961.91        5.31463  (09031218)               465663.41
3807961.91        5.24923  (09031218)
        465683.41   3807961.91        5.17313  (09031218)               465703.41
3807961.91        5.17536  (09011918)
        464743.41   3807981.91        4.96805  (09031218)               464763.41
3807981.91        4.97128  (09031218)
        464783.41   3807981.91        4.97835  (09031218)               464803.41
3807981.91        4.99507  (09031218)
        464823.41   3807981.91        5.02276  (09031218)               464843.41
3807981.91        5.04421  (09031218)
        464863.41   3807981.91        5.06469  (09031218)               464883.41
3807981.91        5.09065  (09031218)
        464903.41   3807981.91        5.11199  (09031218)               464923.41
3807981.91        5.13184  (09031218)
        464943.41   3807981.91        5.15435  (09031218)               464963.41
3807981.91        5.17419  (09031218)
        464983.41   3807981.91        5.19277  (09031218)               465003.41
3807981.91        5.21236  (09031218)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465143.41	3807981.91	5.32321	(09031218)	465163.41	3807981.91	5.33736	(09031218)
465183.41	3807981.91	5.35246	(09031218)	465203.41	3807981.91	5.37167	(09031218)
465223.41	3807981.91	5.39077	(09031218)	465243.41	3807981.91	5.40746	(09031218)
465263.41	3807981.91	5.42371	(09031218)	465283.41	3807981.91	5.43969	(09031218)
465303.41	3807981.91	5.45625	(09031218)	465323.41	3807981.91	5.47475	(09031218)
465343.41	3807981.91	5.49306	(09031218)	465363.41	3807981.91	5.51091	(09031218)
465383.41	3807981.91	5.52630	(09031218)	465403.41	3807981.91	5.54021	(09031218)
465423.41	3807981.91	5.55373	(09031218)	465443.41			

3807981.91 5.56302 (09031218)
465463.41 3807981.91 5.56373 (09031218) 465483.41
3807981.91 5.56833 (09031218)
465503.41 3807981.91 5.56470 (09031218) 465523.41
3807981.91 5.55437 (09031218)
465543.41 3807981.91 5.53801 (09031218) 465563.41
3807981.91 5.51377 (09031218)
465583.41 3807981.91 5.48181 (09031218) 465603.41
3807981.91 5.44362 (09031218)
465623.41 3807981.91 5.39366 (09031218) 465643.41
3807981.91 5.33373 (09031218)
465663.41 3807981.91 5.26227 (09031218) 465683.41
3807981.91 5.21704 (09011918)
465703.41 3807981.91 5.21553 (09011918) 464763.41
3808001.91 5.02731 (09031218)
464783.41 3808001.91 5.03918 (09031218) 464803.41
3808001.91 5.05332 (09031218)
464823.41 3808001.91 5.07925 (09031218) 464843.41
3808001.91 5.10084 (09031218)
464863.41 3808001.91 5.12202 (09031218) 464883.41
3808001.91 5.14611 (09031218)
464903.41 3808001.91 5.16752 (09031218) 464923.41
3808001.91 5.18764 (09031218)
464943.41 3808001.91 5.20704 (09031218) 464963.41
3808001.91 5.22757 (09031218)
464983.41 3808001.91 5.24728 (09031218) 465003.41
3808001.91 5.26442 (09031218)
465023.41 3808001.91 5.28216 (09031218) 465043.41
3808001.91 5.29919 (09031218)
465063.41 3808001.91 5.31419 (09031218) 465083.41
3808001.91 5.33003 (09031218)
465103.41 3808001.91 5.34522 (09031218) 465123.41
3808001.91 5.35902 (09031218)
465143.41 3808001.91 5.37388 (09031218) 465163.41
3808001.91 5.38868 (09031218)
465183.41 3808001.91 5.40815 (09031218) 465203.41
3808001.91 5.42668 (09031218)
465223.41 3808001.91 5.44287 (09031218) 465243.41
3808001.91 5.45898 (09031218)
465263.41 3808001.91 5.47473 (09031218) 465283.41
3808001.91 5.49094 (09031218)
465303.41 3808001.91 5.51022 (09031218) 465323.41
3808001.91 5.52809 (09031218)
465343.41 3808001.91 5.54664 (09031218) 465363.41
3808001.91 5.56412 (09031218)
465383.41 3808001.91 5.57987 (09031218) 465403.41
3808001.91 5.59374 (09031218)
465423.41 3808001.91 5.60503 (09031218) 465443.41
3808001.91 5.61289 (09031218)
465463.41 3808001.91 5.61585 (09031218) 465483.41

3808001.91   5.61513 (09031218)
        465503.41   3808001.91   5.60845 (09031218)   465523.41
3808001.91   5.59593 (09031218)
        465543.41   3808001.91   5.57931 (09031218)   465563.41
3808001.91   5.55197 (09031218)
        465583.41   3808001.91   5.51595 (09031218)   465603.41
3808001.91   5.47092 (09031218)
        465623.41   3808001.91   5.41619 (09031218)   465643.41
3808001.91   5.35005 (09031218)
        465663.41   3808001.91   5.27474 (09031218)   465683.41
3808001.91   5.25838 (09011918)
        465703.41   3808001.91   5.25646 (09011918)   464763.41
3808021.91   5.05449 (09031218)
        464783.41   3808021.91   5.08982 (09031218)   464803.41
3808021.91   5.11423 (09031218)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                L0006514   , L0006515   , L0006516   , L0006517   , L0006518 , L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464823.41   3808021.91   5.13520 (09031218)   464843.41
3808021.91   5.15662 (09031218)
        464863.41   3808021.91   5.17824 (09031218)   464883.41
3808021.91   5.20043 (09031218)
        464903.41   3808021.91   5.22216 (09031218)   464923.41
3808021.91   5.24317 (09031218)

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        464943.41   3808021.91        5.26287  (09031218)              464963.41
3808021.91        5.28204  (09031218)
        464983.41   3808021.91        5.30073  (09031218)              465003.41
3808021.91        5.31865  (09031218)
        465023.41   3808021.91        5.33560  (09031218)              465043.41
3808021.91        5.35178  (09031218)
        465063.41   3808021.91        5.36738  (09031218)              465083.41
3808021.91        5.38238  (09031218)
        465103.41   3808021.91        5.39697  (09031218)              465123.41
3808021.91        5.41144  (09031218)
        465143.41   3808021.91        5.42584  (09031218)              465163.41
3808021.91        5.44051  (09031218)
        465183.41   3808021.91        5.46179  (09031218)              465203.41
3808021.91        5.47937  (09031218)
        465223.41   3808021.91        5.49532  (09031218)              465243.41
3808021.91        5.51160  (09031218)
        465263.41   3808021.91        5.52856  (09031218)              465283.41
3808021.91        5.54558  (09031218)
        465303.41   3808021.91        5.56382  (09031218)              465323.41
3808021.91        5.58328  (09031218)
        465343.41   3808021.91        5.60113  (09031218)              465363.41
3808021.91        5.61796  (09031218)
        465383.41   3808021.91        5.63345  (09031218)              465403.41
3808021.91        5.64671  (09031218)
        465423.41   3808021.91        5.65722  (09031218)              465443.41
3808021.91        5.66413  (09031218)
        465463.41   3808021.91        5.66517  (09031218)              465483.41
3808021.91        5.66358  (09031218)
        465503.41   3808021.91        5.65494  (09031218)              465523.41
3808021.91        5.63941  (09031218)
        465543.41   3808021.91        5.61793  (09031218)              465563.41
3808021.91        5.58665  (09031218)
        465583.41   3808021.91        5.54611  (09031218)              465603.41
3808021.91        5.49689  (09031218)
        465623.41   3808021.91        5.43697  (09031218)              465643.41
3808021.91        5.36628  (09031218)
        465663.41   3808021.91        5.30175  (09011918)              465683.41
3808021.91        5.30430  (09011918)
        465703.41   3808021.91        5.30412  (09011918)              464783.41
3808041.91        5.10517  (09031218)
        464803.41   3808041.91        5.15415  (09031218)              464823.41
3808041.91        5.18584  (09031218)
        464843.41   3808041.91        5.21097  (09031218)              464863.41
3808041.91        5.23398  (09031218)
        464883.41   3808041.91        5.25599  (09031218)              464903.41
3808041.91        5.27763  (09031218)
        464923.41   3808041.91        5.29831  (09031218)              464943.41
3808041.91        5.31851  (09031218)
        464963.41   3808041.91        5.33699  (09031218)              464983.41
3808041.91        5.35434  (09031218)
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        465003.41   3808041.91        5.37322  (09031218)               465023.41
3808041.91        5.38980  (09031218)
        465043.41   3808041.91        5.40534  (09031218)               465063.41
3808041.91        5.42102  (09031218)
        465083.41   3808041.91        5.43570  (09031218)               465103.41
3808041.91        5.44984  (09031218)
        465123.41   3808041.91        5.46451  (09031218)               465143.41
3808041.91        5.47883  (09031218)
        465163.41   3808041.91        5.49438  (09031218)               465183.41
3808041.91        5.51631  (09031218)
        465203.41   3808041.91        5.53271  (09031218)               465223.41
3808041.91        5.54865  (09031218)
        465243.41   3808041.91        5.56498  (09031218)               465263.41
3808041.91        5.58357  (09031218)
        465283.41   3808041.91        5.60182  (09031218)               465303.41
3808041.91        5.61996  (09031218)
        465323.41   3808041.91        5.63840  (09031218)               465343.41
3808041.91        5.65592  (09031218)
        465363.41   3808041.91        5.67280  (09031218)               465383.41
3808041.91        5.68796  (09031218)
        465403.41   3808041.91        5.70057  (09031218)               465423.41
3808041.91        5.71038  (09031218)
        465443.41   3808041.91        5.71560  (09031218)               465463.41
3808041.91        5.71507  (09031218)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 500
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1I1 ***
                                  INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                  L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                  L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                  L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)        CONC     (YYMMDDHH)
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3808061.91   5.74490 (09031218)
        465523.41   3808061.91   5.72089 (09031218)   465543.41
3808061.91   5.69143 (09031218)
        465563.41   3808061.91   5.65241 (09031218)   465583.41
3808061.91   5.60357 (09031218)
        465603.41   3808061.91   5.54482 (09031218)   465623.41
3808061.91   5.47515 (09031218)
        465643.41   3808061.91   5.39396 (09031218)   465663.41
3808061.91   5.39956 (09011918)
        465683.41   3808061.91   5.39745 (09011918)   465703.41
3808061.91   5.38861 (09011918)
        464823.41   3808081.91   5.26269 (09031218)   464843.41
3808081.91   5.30227 (09031218)
        464863.41   3808081.91   5.33565 (09031218)   464883.41
3808081.91   5.36575 (09031218)
        464903.41   3808081.91   5.39128 (09031218)   464923.41
3808081.91   5.41184 (09031218)
        464943.41   3808081.91   5.43005 (09031218)   464963.41
3808081.91   5.44821 (09031218)
        464983.41   3808081.91   5.46604 (09031218)   465003.41
3808081.91   5.48280 (09031218)
        465023.41   3808081.91   5.49994 (09031218)   465043.41
3808081.91   5.51575 (09031218)
        465063.41   3808081.91   5.52945 (09031218)   465083.41
3808081.91   5.54430 (09031218)
        465103.41   3808081.91   5.55894 (09031218)   465123.41
3808081.91   5.57546 (09031218)
        465143.41   3808081.91   5.59444 (09031218)   465163.41
3808081.91   5.61120 (09031218)
        465183.41   3808081.91   5.62605 (09031218)   465203.41
3808081.91   5.64173 (09031218)
        465223.41   3808081.91   5.65828 (09031218)   465243.41
3808081.91   5.67664 (09031218)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                  INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                 L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                 L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                 L0006514   , L0006515   , L0006516   , L0006517   , L0006518

, L0006519   , L0006520   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465263.41	3808081.91	5.69451	(09031218)	465283.41	3808081.91	5.71320	(09031218)
465303.41	3808081.91	5.73312	(09031218)	465323.41	3808081.91	5.75167	(09031218)
465343.41	3808081.91	5.76885	(09031218)	465363.41	3808081.91	5.78528	(09031218)
465383.41	3808081.91	5.79956	(09031218)	465403.41	3808081.91	5.81083	(09031218)
465423.41	3808081.91	5.81626	(09031218)	465443.41	3808081.91	5.81836	(09031218)
465463.41	3808081.91	5.81713	(09031218)	465483.41	3808081.91	5.80663	(09031218)
465503.41	3808081.91	5.78820	(09031218)	465523.41	3808081.91	5.76117	(09031218)
465543.41	3808081.91	5.72544	(09031218)	465563.41	3808081.91	5.68171	(09031218)
465583.41	3808081.91	5.62909	(09031218)	465603.41	3808081.91	5.56566	(09031218)
465623.41	3808081.91	5.49094	(09031218)	465643.41	3808081.91	5.44552	(09011918)
465663.41	3808081.91	5.44646	(09011918)	465683.41	3808081.91	5.43992	(09011918)
465703.41	3808081.91	5.43194	(09011918)	464843.41	3808101.91	5.33984	(09031218)
464863.41	3808101.91	5.37907	(09031218)	464883.41	3808101.91	5.42003	(09031218)
464903.41	3808101.91	5.44950	(09031218)	464923.41	3808101.91	5.47016	(09031218)
464943.41	3808101.91	5.48784	(09031218)	464963.41	3808101.91	5.50641	(09031218)
464983.41	3808101.91	5.52447	(09031218)	465003.41	3808101.91	5.53977	(09031218)
465023.41	3808101.91	5.55591	(09031218)	465043.41	3808101.91	5.57152	(09031218)
465063.41	3808101.91	5.58495	(09031218)	465083.41	3808101.91	5.60003	(09031218)
465103.41	3808101.91	5.61600	(09031218)	465123.41	3808101.91	5.63688	(09031218)

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        465143.41   3808101.91        5.65253  (09031218)                465163.41
3808101.91        5.66726  (09031218)
        465183.41   3808101.91        5.68168  (09031218)                465203.41
3808101.91        5.69899  (09031218)
        465223.41   3808101.91        5.71642  (09031218)                465243.41
3808101.91        5.73289  (09031218)
        465263.41   3808101.91        5.75214  (09031218)                465283.41
3808101.91        5.77236  (09031218)
        465303.41   3808101.91        5.79181  (09031218)                465323.41
3808101.91        5.80988  (09031218)
        465343.41   3808101.91        5.82676  (09031218)                465363.41
3808101.91        5.84285  (09031218)
        465383.41   3808101.91        5.85674  (09031218)                465403.41
3808101.91        5.86670  (09031218)
        465423.41   3808101.91        5.86847  (09031218)                465443.41
3808101.91        5.86785  (09031218)
        465463.41   3808101.91        5.86730  (09031218)                465483.41
3808101.91        5.85262  (09031218)
        465503.41   3808101.91        5.83069  (09031218)                465523.41
3808101.91        5.80159  (09031218)
        465543.41   3808101.91        5.75761  (09031218)                465563.41
3808101.91        5.70837  (09031218)
        465583.41   3808101.91        5.65127  (09031218)                465603.41
3808101.91        5.58297  (09031218)
        465623.41   3808101.91        5.50303  (09031218)                465643.41
3808101.91        5.49907  (09011918)
        465663.41   3808101.91        5.50057  (09011918)                465683.41
3808101.91        5.49015  (09011918)
        465703.41   3808101.91        5.47496  (09011918)                464863.41
3808121.91        5.44400  (09031218)
        464883.41   3808121.91        5.48299  (09031218)                464903.41
3808121.91        5.50897  (09031218)
        464923.41   3808121.91        5.53016  (09031218)                464943.41
3808121.91        5.54887  (09031218)
        464963.41   3808121.91        5.56583  (09031218)                464983.41
3808121.91        5.58184  (09031218)
        465003.41   3808121.91        5.59919  (09031218)                465023.41
3808121.91        5.61413  (09031218)
        465043.41   3808121.91        5.62795  (09031218)                465063.41
3808121.91        5.64337  (09031218)
        465083.41   3808121.91        5.66021  (09031218)                465103.41
3808121.91        5.67926  (09031218)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 502
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 , L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 , L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 , L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465123.41	3808121.91	5.69516	(09031218)	465143.41	3808121.91	5.70952	(09031218)
465163.41	3808121.91	5.72382	(09031218)	465183.41	3808121.91	5.73980	(09031218)
465203.41	3808121.91	5.75639	(09031218)	465223.41	3808121.91	5.77231	(09031218)
465243.41	3808121.91	5.79218	(09031218)	465263.41	3808121.91	5.81245	(09031218)
465283.41	3808121.91	5.83231	(09031218)	465303.41	3808121.91	5.85153	(09031218)
465323.41	3808121.91	5.86990	(09031218)	465343.41	3808121.91	5.88733	(09031218)
465363.41	3808121.91	5.89813	(09031218)	465383.41	3808121.91	5.90992	(09031218)
465403.41	3808121.91	5.91980	(09031218)	465423.41	3808121.91	5.92379	(09031218)
465443.41	3808121.91	5.92262	(09031218)	465463.41	3808121.91	5.91597	(09031218)
465483.41	3808121.91	5.89988	(09031218)	465503.41	3808121.91	5.87383	(09031218)
465523.41	3808121.91	5.83552	(09031218)	465543.41	3808121.91	5.79271	(09031218)
465563.41	3808121.91	5.74062	(09031218)	465583.41	3808121.91	5.67790	(09031218)
465603.41	3808121.91	5.60360	(09031218)	465623.41	3808121.91	5.54697	(09011918)
465643.41	3808121.91	5.55022	(09011918)	465663.41	3808121.91	5.55304	(09011918)
465683.41	3808121.91	5.54203	(09011918)	465703.41			

3808121.91 5.52242 (09011918)
464883.41 3808141.91 5.53741 (09031218) 464903.41
3808141.91 5.56916 (09031218)
464923.41 3808141.91 5.59085 (09031218) 464943.41
3808141.91 5.60876 (09031218)
464963.41 3808141.91 5.62445 (09031218) 464983.41
3808141.91 5.63912 (09031218)
465003.41 3808141.91 5.65746 (09031218) 465023.41
3808141.91 5.67172 (09031218)
465043.41 3808141.91 5.68432 (09031218) 465063.41
3808141.91 5.70089 (09031218)
465083.41 3808141.91 5.71955 (09031218) 465103.41
3808141.91 5.73895 (09031218)
465123.41 3808141.91 5.75330 (09031218) 465143.41
3808141.91 5.76749 (09031218)
465163.41 3808141.91 5.78254 (09031218) 465183.41
3808141.91 5.79854 (09031218)
465203.41 3808141.91 5.81637 (09031218) 465223.41
3808141.91 5.83288 (09031218)
465243.41 3808141.91 5.85338 (09031218) 465263.41
3808141.91 5.87307 (09031218)
465283.41 3808141.91 5.89251 (09031218) 465303.41
3808141.91 5.91265 (09031218)
465323.41 3808141.91 5.93011 (09031218) 465343.41
3808141.91 5.94534 (09031218)
465363.41 3808141.91 5.95769 (09031218) 465383.41
3808141.91 5.96946 (09031218)
465403.41 3808141.91 5.97725 (09031218) 465423.41
3808141.91 5.97665 (09031218)
465443.41 3808141.91 5.97202 (09031218) 465463.41
3808141.91 5.96224 (09031218)
465483.41 3808141.91 5.94413 (09031218) 465503.41
3808141.91 5.91441 (09031218)
465523.41 3808141.91 5.87697 (09031218) 465543.41
3808141.91 5.82818 (09031218)
465563.41 3808141.91 5.77109 (09031218) 465583.41
3808141.91 5.70379 (09031218)
465603.41 3808141.91 5.62449 (09031218) 465623.41
3808141.91 5.61134 (09011918)
465643.41 3808141.91 5.60552 (09011918) 465663.41
3808141.91 5.60047 (09011918)
465683.41 3808141.91 5.59130 (09011918) 465703.41
3808141.91 5.56950 (09011918)
464883.41 3808161.91 5.58586 (09031218) 464903.41
3808161.91 5.62922 (09031218)
464923.41 3808161.91 5.65255 (09031218) 464943.41
3808161.91 5.66981 (09031218)
464963.41 3808161.91 5.68480 (09031218) 464983.41
3808161.91 5.69863 (09031218)
465003.41 3808161.91 5.71592 (09031218) 465023.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                   INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                 L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                 L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                 L0006514   , L0006515   , L0006516   , L0006517   , L0006518 , L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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        465443.41   3808161.91        6.01945  (09031218)              465463.41
3808161.91        6.00759  (09031218)
        465483.41   3808161.91        5.98841  (09031218)              465503.41
3808161.91        5.95766  (09031218)
        465523.41   3808161.91        5.91572  (09031218)              465543.41
3808161.91        5.85816  (09031218)
        465563.41   3808161.91        5.79563  (09031218)              465583.41
3808161.91        5.72343  (09031218)
        465603.41   3808161.91        5.67250  (09011918)              465623.41
3808161.91        5.67146  (09011918)
        465643.41   3808161.91        5.66460  (09011918)              465663.41
3808161.91        5.64995  (09011918)
        465683.41   3808161.91        5.63351  (09011918)              465703.41
3808161.91        5.61395  (09011918)
        464903.41   3808181.91        5.68641  (09031218)              464923.41
3808181.91        5.71448  (09031218)
        464943.41   3808181.91        5.73293  (09031218)              464963.41
3808181.91        5.74906  (09031218)
        464983.41   3808181.91        5.76312  (09031218)              465003.41
3808181.91        5.77597  (09031218)
        465023.41   3808181.91        5.79117  (09031218)              465043.41
3808181.91        5.80697  (09031218)
        465063.41   3808181.91        5.82675  (09031218)              465083.41
3808181.91        5.84529  (09031218)
        465103.41   3808181.91        5.85860  (09031218)              465123.41
3808181.91        5.87235  (09031218)
        465143.41   3808181.91        5.88723  (09031218)              465163.41
3808181.91        5.90443  (09031218)
        465183.41   3808181.91        5.92069  (09031218)              465203.41
3808181.91        5.93893  (09031218)
        465223.41   3808181.91        5.95847  (09031218)              465243.41
3808181.91        5.97824  (09031218)
        465263.41   3808181.91        5.99868  (09031218)              465283.41
3808181.91        6.01956  (09031218)
        465303.41   3808181.91        6.03534  (09031218)              465323.41
3808181.91        6.05263  (09031218)
        465343.41   3808181.91        6.06849  (09031218)              465363.41
3808181.91        6.07403  (09031218)
        465383.41   3808181.91        6.08141  (09031218)              465403.41
3808181.91        6.08701  (09031218)
        465423.41   3808181.91        6.08460  (09031218)              465443.41
3808181.91        6.07610  (09031218)
        465463.41   3808181.91        6.06254  (09031218)              465483.41
3808181.91        6.02899  (09031218)
        465503.41   3808181.91        5.99138  (09031218)              465523.41
3808181.91        5.94755  (09031218)
        465543.41   3808181.91        5.89145  (09031218)              465563.41
3808181.91        5.82552  (09031218)
        465583.41   3808181.91        5.74680  (09031218)              465603.41
3808181.91        5.72393  (09011918)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                   INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                  L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                  L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                  L0006514   , L0006515   , L0006516   , L0006517   , L0006518 , L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3808201.91 6.04306 (09031218)
465263.41 3808201.91 6.06308 (09031218) 465283.41
3808201.91 6.08240 (09031218)
465303.41 3808201.91 6.10046 (09031218) 465323.41
3808201.91 6.11694 (09031218)
465343.41 3808201.91 6.12855 (09031218) 465363.41
3808201.91 6.13597 (09031218)
465383.41 3808201.91 6.14112 (09031218) 465403.41
3808201.91 6.13906 (09031218)
465423.41 3808201.91 6.13769 (09031218) 465443.41
3808201.91 6.12810 (09031218)
465463.41 3808201.91 6.10816 (09031218) 465483.41
3808201.91 6.07483 (09031218)
465503.41 3808201.91 6.03528 (09031218) 465523.41
3808201.91 5.98660 (09031218)
465543.41 3808201.91 5.92613 (09031218) 465563.41
3808201.91 5.85404 (09031218)
465583.41 3808201.91 5.78706 (09011918) 465603.41
3808201.91 5.78312 (09011918)
465623.41 3808201.91 5.77480 (09011918) 465643.41
3808201.91 5.76653 (09011918)
465663.41 3808201.91 5.74432 (09011918) 465683.41
3808201.91 5.72085 (09011918)
465703.41 3808201.91 5.68272 (09011918) 464943.41
3808221.91 5.90972 (09111519)
464963.41 3808221.91 5.94442 (09111519) 464983.41
3808221.91 5.97353 (09111519)
465003.41 3808221.91 5.96207 (09111519) 465023.41
3808221.91 5.94595 (09111519)
465043.41 3808221.91 5.94293 (09031218) 465063.41
3808221.91 5.95617 (09031218)
465083.41 3808221.91 5.96869 (09031218) 465103.41
3808221.91 5.98217 (09031218)
465123.41 3808221.91 5.99830 (09031218) 465143.41
3808221.91 6.01353 (09031218)
465163.41 3808221.91 6.02933 (09031218) 465183.41
3808221.91 6.04832 (09031218)
465203.41 3808221.91 6.06699 (09031218) 465223.41
3808221.91 6.08703 (09031218)
465243.41 3808221.91 6.10930 (09031218) 465263.41
3808221.91 6.12878 (09031218)
465283.41 3808221.91 6.14600 (09031218) 465303.41
3808221.91 6.16655 (09031218)
465323.41 3808221.91 6.18073 (09031218) 465343.41
3808221.91 6.18829 (09031218)
465363.41 3808221.91 6.20205 (09031218) 465383.41
3808221.91 6.20030 (09031218)
465403.41 3808221.91 6.19135 (09031218) 465423.41
3808221.91 6.18819 (09031218)
465443.41 3808221.91 6.17623 (09031218) 465463.41

3808221.91   6.15466 (09031218)
        465483.41   3808221.91   6.12276 (09031218)   465503.41
3808221.91   6.08006 (09031218)
        465523.41   3808221.91   6.02543 (09031218)   465543.41
3808221.91   5.95917 (09031218)
        465563.41   3808221.91   5.87445 (09031218)   465583.41
3808221.91   5.84968 (09011918)
        465603.41   3808221.91   5.84313 (09011918)   465623.41
3808221.91   5.83507 (09011918)
        465643.41   3808221.91   5.81577 (09011918)   465663.41
3808221.91   5.78884 (09011918)
        465683.41   3808221.91   5.75486 (09011918)   465703.41
3808221.91   5.71406 (09011918)
        464963.41   3808241.91   6.07206 (09111519)   464983.41
3808241.91   6.09945 (09111519)
        465003.41   3808241.91   6.08505 (09111519)   465023.41
3808241.91   6.03369 (09111519)
        465043.41   3808241.91   6.00739 (09031218)   465063.41
3808241.91   6.01915 (09031218)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                L0006514   , L0006515   , L0006516   , L0006517   , L0006518 , L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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```
        465123.41   3808241.91        6.06001  (09031218)               465143.41
3808241.91        6.07786  (09031218)
        465163.41   3808241.91        6.09587  (09031218)               465183.41
3808241.91        6.11393  (09031218)
        465203.41   3808241.91        6.13417  (09031218)               465223.41
3808241.91        6.15604  (09031218)
        465243.41   3808241.91        6.17388  (09031218)               465263.41
3808241.91        6.19513  (09031218)
        465283.41   3808241.91        6.21657  (09031218)               465303.41
3808241.91        6.22950  (09031218)
        465323.41   3808241.91        6.24413  (09031218)               465343.41
3808241.91        6.26015  (09031218)
        465363.41   3808241.91        6.25836  (09031218)               465383.41
3808241.91        6.25890  (09031218)
        465403.41   3808241.91        6.25836  (09031218)               465423.41
3808241.91        6.25141  (09031218)
        465443.41   3808241.91        6.23515  (09031218)               465463.41
3808241.91        6.20879  (09031218)
        465483.41   3808241.91        6.17162  (09031218)               465503.41
3808241.91        6.11963  (09031218)
        465523.41   3808241.91        6.04636  (09031218)               465543.41
3808241.91        5.97572  (09031218)
        465563.41   3808241.91        5.90227  (09011918)               465583.41
3808241.91        5.90482  (09011918)
        465603.41   3808241.91        5.89466  (09011918)               465623.41
3808241.91        5.88274  (09011918)
        465643.41   3808241.91        5.85646  (09011918)               465663.41
3808241.91        5.82573  (09011918)
        465683.41   3808241.91        5.78609  (09011918)               465703.41
3808241.91        5.74467  (09011918)
        464983.41   3808261.91        6.31526  (09111519)               465003.41
3808261.91        6.26715  (09111519)
        465023.41   3808261.91        6.19258  (09111519)               465043.41
3808261.91        6.09093  (09111519)
        465063.41   3808261.91        6.08081  (09031218)               465083.41
3808261.91        6.09391  (09031218)
        465103.41   3808261.91        6.10768  (09031218)               465123.41
3808261.91        6.12191  (09031218)
        465143.41   3808261.91        6.14111  (09031218)               465163.41
3808261.91        6.16159  (09031218)
        465183.41   3808261.91        6.18213  (09031218)               465203.41
3808261.91        6.20213  (09031218)
        465223.41   3808261.91        6.22279  (09031218)               465243.41
3808261.91        6.24377  (09031218)
        465263.41   3808261.91        6.26740  (09031218)               465283.41
3808261.91        6.28950  (09031218)
        465303.41   3808261.91        6.30133  (09031218)               465323.41
3808261.91        6.31355  (09031218)
        465343.41   3808261.91        6.32116  (09031218)               465363.41
3808261.91        6.32454  (09031218)
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        465383.41   3808261.91        6.32376  (09031218)               465403.41
3808261.91        6.31013  (09031218)
        465423.41   3808261.91        6.30095  (09031218)               465443.41
3808261.91        6.28187  (09031218)
        465463.41   3808261.91        6.25252  (09031218)               465483.41
3808261.91        6.21139  (09031218)
        465503.41   3808261.91        6.15184  (09031218)               465523.41
3808261.91        6.08421  (09031218)
        465543.41   3808261.91        6.00727  (09031218)               465563.41
3808261.91        5.97334  (09011918)
        465583.41   3808261.91        5.96420  (09011918)               465603.41
3808261.91        5.95072  (09011918)
        465623.41   3808261.91        5.92894  (09011918)               465643.41
3808261.91        5.90436  (09011918)
        465663.41   3808261.91        5.86372  (09011918)               465683.41
3808261.91        5.81992  (09011918)
        465703.41   3808261.91        5.76715  (09011918)               465003.41
3808281.91        6.44429  (09111519)
        465023.41   3808281.91        6.35772  (09111519)               465043.41
3808281.91        6.23842  (09111519)
        465063.41   3808281.91        6.13318  (09031218)               465083.41
3808281.91        6.15496  (09031218)
        465103.41   3808281.91        6.17514  (09031218)               465123.41
3808281.91        6.18820  (09031218)
        465143.41   3808281.91        6.20736  (09031218)               465163.41
3808281.91        6.23002  (09031218)
        465183.41   3808281.91        6.25189  (09031218)               465203.41
3808281.91        6.27167  (09031218)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 506
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1I1 ***
                                  INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                 L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                 L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                 L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465223.41	3808281.91	6.29105	(09031218)	465243.41	3808281.91	6.31724	(09031218)
465263.41	3808281.91	6.34101	(09031218)	465283.41	3808281.91	6.36285	(09031218)
465303.41	3808281.91	6.37243	(09031218)	465323.41	3808281.91	6.38140	(09031218)
465343.41	3808281.91	6.38383	(09031218)	465363.41	3808281.91	6.39433	(09031218)
465383.41	3808281.91	6.38228	(09031218)	465403.41	3808281.91	6.35963	(09031218)
465423.41	3808281.91	6.34406	(09031218)	465443.41	3808281.91	6.32124	(09031218)
465463.41	3808281.91	6.29390	(09031218)	465483.41	3808281.91	6.24885	(09031218)
465503.41	3808281.91	6.19125	(09031218)	465523.41	3808281.91	6.12119	(09031218)
465543.41	3808281.91	6.03662	(09031218)	465563.41	3808281.91	6.02906	(09011918)
465583.41	3808281.91	6.01588	(09011918)	465603.41	3808281.91	5.99882	(09011918)
465623.41	3808281.91	5.97796	(09011918)	465643.41	3808281.91	5.94297	(09011918)
465663.41	3808281.91	5.89511	(09011918)	465683.41	3808281.91	5.85593	(09011918)
465703.41	3808281.91	5.79677	(09011918)	465003.41	3808301.91	6.59658	(09111519)
465023.41	3808301.91	6.49840	(09111519)	465043.41	3808301.91	6.35329	(09111519)
465063.41	3808301.91	6.24018	(09111519)	465083.41	3808301.91	6.20162	(09031218)
465103.41	3808301.91	6.23908	(09031218)	465123.41	3808301.91	6.25939	(09031218)
465143.41	3808301.91	6.28127	(09031218)	465163.41	3808301.91	6.30286	(09031218)
465183.41	3808301.91	6.31981	(09031218)	465203.41	3808301.91	6.34215	(09031218)
465223.41	3808301.91	6.36776	(09031218)	465243.41	3808301.91	6.39358	(09031218)
465263.41	3808301.91	6.41512	(09031218)	465283.41	3808301.91	6.42820	(09031218)
465303.41	3808301.91	6.43825	(09031218)	465323.41	3808301.91	6.44937	(09031218)
465343.41	3808301.91	6.46197	(09031218)	465363.41			

3808301.91 6.44742 (09031218)
  465383.41 3808301.91 6.43674 (09031218) 465403.41
3808301.91 6.42738 (09031218)
  465423.41 3808301.91 6.37808 (09031218) 465443.41
3808301.91 6.34277 (09031218)
  465463.41 3808301.91 6.34839 (09031218) 465483.41
3808301.91 6.29699 (09031218)
  465503.41 3808301.91 6.23259 (09031218) 465523.41
3808301.91 6.15540 (09031218)
  465543.41 3808301.91 6.09320 (09011918) 465563.41
3808301.91 6.08325 (09011918)
  465583.41 3808301.91 6.07062 (09011918) 465603.41
3808301.91 6.04847 (09011918)
  465623.41 3808301.91 6.01860 (09011918) 465643.41
3808301.91 5.97429 (09011918)
  465663.41 3808301.91 5.92601 (09011918) 465683.41
3808301.91 5.87866 (09011918)
  465703.41 3808301.91 5.80528 (09011918) 465043.41
3808321.91 6.49311 (09111519)
  465063.41 3808321.91 6.32598 (09111519) 465083.41
3808321.91 6.26281 (09031218)
  465103.41 3808321.91 6.29877 (09031218) 465123.41
3808321.91 6.32378 (09031218)
  465143.41 3808321.91 6.34866 (09031218) 465163.41
3808321.91 6.37272 (09031218)
  465183.41 3808321.91 6.39386 (09031218) 465203.41
3808321.91 6.41924 (09031218)
  465223.41 3808321.91 6.44517 (09031218) 465243.41
3808321.91 6.46824 (09031218)
  465263.41 3808321.91 6.48381 (09031218) 465283.41
3808321.91 6.49798 (09031218)
  465303.41 3808321.91 6.51246 (09031218) 465323.41
3808321.91 6.52460 (09031218)
  465343.41 3808321.91 6.52321 (09031218) 465363.41
3808321.91 6.51374 (09031218)
  465383.41 3808321.91 6.50136 (09031218) 465403.41
3808321.91 6.47096 (09031218)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
  L0006498 , L0006499 , L0006500 , L0006501 , L0006502

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, L0006503    , L0006504    , L0006505    ,
                L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465423.41   3808321.91        6.43129  (09031218)               465443.41
3808321.91        6.39845  (09031218)
        465463.41   3808321.91        6.38379  (09031218)               465483.41
3808321.91        6.32818  (09031218)
        465503.41   3808321.91        6.25903  (09031218)               465523.41
3808321.91        6.17326  (09031218)
        465543.41   3808321.91        6.15295  (09011918)               465563.41
3808321.91        6.14295  (09011918)
        465583.41   3808321.91        6.12879  (09011918)               465603.41
3808321.91        6.09664  (09011918)
        465623.41   3808321.91        6.05781  (09011918)               465643.41
3808321.91        6.02147  (09011918)
        465663.41   3808321.91        5.96411  (09011918)               465683.41
3808321.91        5.89729  (09011918)
        465703.41   3808321.91        5.82825  (09011918)               465083.41
3808341.91        6.32780  (09031218)
        465103.41   3808341.91        6.35610  (09031218)               465123.41
3808341.91        6.38920  (09031218)
        465143.41   3808341.91        6.41761  (09031218)               465163.41
3808341.91        6.44479  (09031218)
        465183.41   3808341.91        6.47196  (09031218)               465203.41
3808341.91        6.49793  (09031218)
        465223.41   3808341.91        6.52401  (09031218)               465243.41
3808341.91        6.54285  (09031218)
        465263.41   3808341.91        6.56055  (09031218)               465283.41
3808341.91        6.56952  (09031218)
        465303.41   3808341.91        6.59240  (09031218)               465323.41
3808341.91        6.58892  (09031218)
        465343.41   3808341.91        6.57688  (09031218)               465363.41
3808341.91        6.58335  (09031218)
        465383.41   3808341.91        6.55706  (09031218)               465403.41
3808341.91        6.51552  (09031218)
        465423.41   3808341.91        6.48580  (09031218)               465443.41
3808341.91        6.44938  (09031218)
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        465463.41   3808341.91        6.41393  (09031218)               465483.41
3808341.91        6.35357  (09031218)
        465503.41   3808341.91        6.27920  (09031218)               465523.41
3808341.91        6.22594  (09011918)
        465543.41   3808341.91        6.21918  (09011918)               465563.41
3808341.91        6.20247  (09011918)
        465583.41   3808341.91        6.17830  (09011918)               465603.41
3808341.91        6.13876  (09011918)
        465623.41   3808341.91        6.10787  (09011918)               465643.41
3808341.91        6.05303  (09011918)
        465663.41   3808341.91        5.98342  (09011918)               465683.41
3808341.91        5.92054  (09011918)
        465703.41   3808341.91        5.84088  (09011918)               465103.41
3808361.91        6.41846  (09123118)
        465123.41   3808361.91        6.46714  (09031218)               465143.41
3808361.91        6.49930  (09031218)
        465163.41   3808361.91        6.52622  (09031218)               465183.41
3808361.91        6.55324  (09031218)
        465203.41   3808361.91        6.57756  (09031218)               465223.41
3808361.91        6.59770  (09031218)
        465243.41   3808361.91        6.62385  (09031218)               465263.41
3808361.91        6.64658  (09031218)
        465283.41   3808361.91        6.65757  (09031218)               465303.41
3808361.91        6.65587  (09031218)
        465323.41   3808361.91        6.64203  (09031218)               465343.41
3808361.91        6.61306  (09031218)
        465363.41   3808361.91        6.61861  (09031218)               465383.41
3808361.91        6.60826  (09031218)
        465403.41   3808361.91        6.58470  (09031218)               465423.41
3808361.91        6.51190  (09031218)
        465443.41   3808361.91        6.46255  (09031218)               465463.41
3808361.91        6.46786  (09031218)
        465483.41   3808361.91        6.40006  (09031218)               465503.41
3808361.91        6.31781  (09031218)
        465523.41   3808361.91        6.29385  (09011918)               465543.41
3808361.91        6.27182  (09011918)
        465563.41   3808361.91        6.24972  (09011918)               465583.41
3808361.91        6.22089  (09011918)
        465603.41   3808361.91        6.18041  (09011918)               465623.41
3808361.91        6.14081  (09011918)
        465643.41   3808361.91        6.07258  (09011918)               465663.41
3808361.91        6.00873  (09011918)
        465683.41   3808361.91        5.93366  (09011918)               465703.41
3808361.91        5.83968  (09011918)
        465183.41   3808381.91        6.62198  (09031218)               465203.41
3808381.91        6.64845  (09031218)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465223.41	3808381.91	6.67206	(09031218)	465243.41	3808381.91	6.69331	(09031218)
465263.41	3808381.91	6.70538	(09031218)	465283.41	3808381.91	6.70290	(09031218)
465303.41	3808381.91	6.70502	(09031218)	465323.41	3808381.91	6.68084	(09031218)
465343.41	3808381.91	6.64180	(09031218)	465363.41	3808381.91	6.64776	(09031218)
465383.41	3808381.91	6.64232	(09031218)	465403.41	3808381.91	6.62027	(09031218)
465423.41	3808381.91	6.56423	(09031218)	465443.41	3808381.91	6.51742	(09031218)
465463.41	3808381.91	6.49329	(09031218)	465483.41	3808381.91	6.42082	(09031218)
465503.41	3808381.91	6.36236	(09011918)	465523.41	3808381.91	6.35205	(09011918)
465543.41	3808381.91	6.32949	(09011918)	465563.41	3808381.91	6.31095	(09011918)
465583.41	3808381.91	6.26926	(09011918)	465603.41	3808381.91	6.22641	(09011918)
465623.41	3808381.91	6.16953	(09011918)	465643.41	3808381.91	6.10631	(09011918)
465663.41	3808381.91	6.02872	(09011918)	465683.41	3808381.91	5.94265	(09011918)
465703.41	3808381.91	5.87145	(09011918)	465303.41			

3808401.91 6.71445 (09031218)
465323.41 3808401.91 6.69604 (09031218) 465343.41
3808401.91 6.65379 (09031218)
465363.41 3808401.91 6.66230 (09031218) 465383.41
3808401.91 6.65831 (09031218)
465403.41 3808401.91 6.64117 (09031218) 465423.41
3808401.91 6.61026 (09031218)
465443.41 3808401.91 6.56503 (09031218) 465463.41
3808401.91 6.50589 (09031218)
465483.41 3808401.91 6.43462 (09011918) 465503.41
3808401.91 6.43150 (09011918)
465523.41 3808401.91 6.41970 (09011918) 465543.41
3808401.91 6.39844 (09011918)
465563.41 3808401.91 6.35620 (09011918) 465583.41
3808401.91 6.30322 (09011918)
465603.41 3808401.91 6.25540 (09011918) 465623.41
3808401.91 6.20339 (09011918)
465643.41 3808401.91 6.12877 (09011918) 465663.41
3808401.91 6.03770 (09011918)
465683.41 3808401.91 5.97356 (09011918) 465703.41
3808401.91 5.87436 (09011918)
465323.41 3808421.91 6.65038 (09031218) 465343.41
3808421.91 6.66000 (09031218)
465363.41 3808421.91 6.66832 (09031218) 465383.41
3808421.91 6.66348 (09031218)
465403.41 3808421.91 6.64487 (09031218) 465423.41
3808421.91 6.61190 (09031218)
465443.41 3808421.91 6.56403 (09031218) 465463.41
3808421.91 6.50078 (09031218)
465483.41 3808421.91 6.47994 (09011918) 465503.41
3808421.91 6.47491 (09011918)
465523.41 3808421.91 6.46027 (09011918) 465543.41
3808421.91 6.43544 (09011918)
465563.41 3808421.91 6.39976 (09011918) 465583.41
3808421.91 6.35071 (09011918)
465603.41 3808421.91 6.29515 (09011918) 465623.41
3808421.91 6.22649 (09011918)
465643.41 3808421.91 6.13652 (09011918) 465663.41
3808421.91 6.05511 (09011918)
465683.41 3808421.91 5.97708 (09011918) 465703.41
3808421.91 5.85860 (09011918)
465323.41 3808441.91 6.61592 (09031218) 465343.41
3808441.91 6.64958 (09031218)
465363.41 3808441.91 6.71901 (09031218) 465383.41
3808441.91 6.73209 (09031218)
465403.41 3808441.91 6.70762 (09031218) 465423.41
3808441.91 6.66824 (09031218)
465443.41 3808441.91 6.61346 (09031218) 465463.41
3808441.91 6.55292 (09011918)
465483.41 3808441.91 6.55228 (09011918) 465503.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
INCLUDING SOURCE(S): L0006493 , L0006494 , L0006495 , L0006496 , L0006497 ,
  L0006498 , L0006499 , L0006500 , L0006501 , L0006502 , L0006503 , L0006504 , L0006505 ,
  L0006506 , L0006507 , L0006508 , L0006509 , L0006510 , L0006511 , L0006512 , L0006513 ,
  L0006514 , L0006515 , L0006516 , L0006517 , L0006518 , L0006519 , L0006520 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
  **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465603.41	3808441.91	6.33106	(09011918)	465623.41	3808441.91	6.25411	(09011918)
465643.41	3808441.91	6.18017	(09011918)	465663.41	3808441.91	6.08209	(09011918)
465683.41	3808441.91	5.97371	(09011918)	465703.41	3808441.91	5.86086	(09011918)
465343.41	3808461.91	6.62869	(09120417)	465363.41	3808461.91	6.74470	(09031218)
465383.41	3808461.91	6.77429	(09031218)	465403.41	3808461.91	6.76161	(09031218)
465423.41	3808461.91	6.71708	(09031218)	465443.41	3808461.91	6.65645	(09031218)
465463.41	3808461.91	6.63312	(09011918)	465483.41	3808461.91	6.62811	(09011918)
465503.41	3808461.91	6.61819	(09011918)	465523.41	3808461.91	6.58567	(09011918)

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        465543.41   3808461.91        6.54646  (09011918)               465563.41
3808461.91        6.49600  (09011918)
        465583.41   3808461.91        6.43463  (09011918)               465603.41
3808461.91        6.36289  (09011918)
        465623.41   3808461.91        6.28013  (09011918)               465643.41
3808461.91        6.20164  (09011918)
        465663.41   3808461.91        6.08013  (09011918)               465683.41
3808461.91        5.97208  (09011918)
        465703.41   3808461.91        5.86778  (09011918)               465343.41
3808481.91        6.64368  (09120417)
        465363.41   3808481.91        6.66675  (09120417)               465383.41
3808481.91        6.69995  (09120417)
        465403.41   3808481.91        6.74786  (09031218)               465423.41
3808481.91        6.70149  (09031218)
        465443.41   3808481.91        6.66298  (09011918)               465463.41
3808481.91        6.66694  (09011918)
        465483.41   3808481.91        6.66001  (09011918)               465503.41
3808481.91        6.66753  (09011918)
        465523.41   3808481.91        6.64693  (09011918)               465543.41
3808481.91        6.59939  (09011918)
        465563.41   3808481.91        6.54042  (09011918)               465583.41
3808481.91        6.47054  (09011918)
        465603.41   3808481.91        6.39045  (09011918)               465623.41
3808481.91        6.30181  (09011918)
        465643.41   3808481.91        6.21914  (09011918)               465663.41
3808481.91        6.09386  (09011918)
        465683.41   3808481.91        5.97863  (09011918)               465703.41
3808481.91        5.86710  (09011918)
        465463.41   3808501.91        6.75633  (09011918)               465483.41
3808501.91        6.71186  (09011918)
        465503.41   3808501.91        6.72362  (09011918)               465523.41
3808501.91        6.69308  (09011918)
        465543.41   3808501.91        6.63970  (09011918)               465563.41
3808501.91        6.58062  (09011918)
        465583.41   3808501.91        6.50755  (09011918)               465603.41
3808501.91        6.41563  (09011918)
        465623.41   3808501.91        6.31515  (09011918)               465643.41
3808501.91        6.23197  (09011918)
        465663.41   3808501.91        6.10279  (09011918)               465683.41
3808501.91        5.98018  (09011918)
        465703.41   3808501.91        5.86004  (09011918)               465523.41
3808521.91        6.74269  (09011918)
        465543.41   3808521.91        6.68580  (09011918)               465563.41
3808521.91        6.60701  (09011918)
        465583.41   3808521.91        6.53187  (09011918)               465603.41
3808521.91        6.42869  (09011918)
        465623.41   3808521.91        6.35074  (09011918)               465643.41
3808521.91        6.23490  (09011918)
        465663.41   3808521.91        6.10527  (09011918)               465683.41
3808521.91        5.98388  (09011918)
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        465703.41   3808521.91        5.84081  (09011918)               464239.31
3809562.31       69.08712  (09010419)
        464277.31   3809562.31       68.77206  (09010419)               463745.31
3809591.37       50.83993  (10020606)
        463783.31   3809591.37       53.59003  (09041719)               463821.31
3809591.37       53.91049  (09041719)
        463859.31   3809591.37       57.57168  (09041719)               463897.31
3809591.37       65.99768  (09041719)
        463935.31   3809591.37       67.41824  (09041719)               464239.31
3809591.37       45.84373  (09010419)
        464277.31   3809591.37       45.10250  (09010419)               463745.31
3809620.43       32.39697  (10021420)
        463783.31   3809620.43       37.09570  (10021420)               463821.31
3809620.43       40.49299  (10020606)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 510
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1I1 ***
                                   INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                  L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                  L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                  L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        463859.31   3809620.43       42.50211  (09041719)               463897.31
3809620.43       47.15731  (09041719)
        463935.31   3809620.43       51.25464  (09041719)               463973.31
3809620.43       51.14817  (09041719)
        464011.31   3809620.43       48.80436  (09041719)               464049.31
3809620.43       44.15696  (09041719)
        464087.31   3809620.43       40.33389  (09010419)               464125.31
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3809620.43       38.62977  (09010419)
        464163.31   3809620.43       37.39752  (09010419)                464201.31
3809620.43       35.94789  (09010419)
        464239.31   3809620.43       35.48439  (09010419)                464277.31
3809620.43       34.93956  (09010419)
        463745.31   3809649.49       23.94168  (10031906)                463783.31
3809649.49       27.09810  (10031906)
        463821.31   3809649.49       31.27087  (10020606)                463859.31
3809649.49       34.96827  (10020606)
        463897.31   3809649.49       36.62106  (10020606)                463935.31
3809649.49       38.22715  (10020606)
        463973.31   3809649.49       37.50200  (09041719)                464011.31
3809649.49       37.69082  (09041719)
        464049.31   3809649.49       36.64559  (09041719)                464087.31
3809649.49       33.57640  (09041719)
        464125.31   3809649.49       32.82465  (09010419)                464163.31
3809649.49       31.26560  (09010419)
        464201.31   3809649.49       30.44303  (09010419)                464239.31
3809649.49       29.84822  (09010419)
        464277.31   3809649.49       29.12918  (09010419)                464315.31
3809649.49       28.45450  (09010419)
        464353.31   3809649.49       28.26427  (09010419)                464391.31
3809649.49       28.01103  (09010419)
        464429.31   3809649.49       27.78287  (09010419)                464467.31
3809649.49       27.62422  (09010419)
        464505.31   3809649.49       27.57202  (09010419)                463745.31
3809678.55       19.82704  (09022206)
        463783.31   3809678.55       20.20112  (09022407)                463821.31
3809678.55       23.24012  (10031906)
        463859.31   3809678.55       26.02176  (10020606)                463897.31
3809678.55       30.25124  (10020606)
        463935.31   3809678.55       32.34606  (10020606)                463973.31
3809678.55       31.39590  (10020606)
        464011.31   3809678.55       29.22708  (10020606)                464049.31
3809678.55       29.79028  (09120320)
        464087.31   3809678.55       29.10070  (09120320)                464125.31
3809678.55       28.19883  (09120320)
        464163.31   3809678.55       26.94007  (09120320)                464201.31
3809678.55       26.49148  (09010419)
        464239.31   3809678.55       25.57131  (09010419)                464277.31
3809678.55       24.96546  (09010419)
        464315.31   3809678.55       24.50029  (09010419)                464353.31
3809678.55       24.24246  (09010419)
        464391.31   3809678.55       24.02377  (09010419)                464429.31
3809678.55       23.59050  (09010419)
        464467.31   3809678.55       23.60006  (09010419)                464505.31
3809678.55       23.27038  (09010419)
        463745.31   3809707.61       17.04294  (09022407)                463783.31
3809707.61       17.49753  (09022407)
        463821.31   3809707.61       18.02435  (09022407)                463859.31
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3809707.61   20.04018 (10031906)
        463897.31   3809707.61   22.89203 (10030307)   463935.31
3809707.61   26.76638 (10020606)
        463973.31   3809707.61   27.61820 (10020606)   464011.31
3809707.61   26.91652 (10020606)
        464049.31   3809707.61   26.51299 (10020606)   464087.31
3809707.61   24.87158 (10020606)
        464125.31   3809707.61   24.26231 (09120320)   464163.31
3809707.61   24.02339 (09120320)
        464201.31   3809707.61   23.33248 (09120320)   464239.31
3809707.61   22.71769 (09120320)
        464277.31   3809707.61   22.00744 (09120320)   464315.31
3809707.61   21.63340 (09120320)
        464353.31   3809707.61   21.11469 (09120320)   464391.31
3809707.61   20.95521 (09120320)
        464429.31   3809707.61   20.61351 (09120320)   464467.31
3809707.61   20.50487 (09120320)
        464505.31   3809707.61   20.35819 (09120320)   463745.31
3809736.67   15.17952 (09022407)
        463783.31   3809736.67   15.44477 (09022407)   463821.31
3809736.67   15.76248 (09022407)
        463859.31   3809736.67   16.18291 (09022407)   463897.31
3809736.67   17.34479 (10031906)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                L0006514   , L0006515   , L0006516   , L0006517   , L0006518 , L0006519   , L0006520   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)

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        464163.31   3809794.79       19.15513  (10020606)                464201.31
3809794.79       18.29373  (10020606)
        464239.31   3809794.79       17.33978  (10021420)                464277.31
3809794.79       16.71520  (10021420)
        464315.31   3809794.79       16.12442  (10021420)                464353.31
3809794.79       15.67278  (10021420)
        464391.31   3809794.79       15.33946  (10021420)                464429.31
3809794.79       15.21254  (10021420)
        464467.31   3809794.79       14.95268  (10021420)                464505.31
3809794.79       14.79318  (10021420)
        463745.31   3809823.85       11.46879  (09022407)                463783.31
3809823.85       11.46314  (09022407)
        463821.31   3809823.85       11.47937  (09022407)                463859.31
3809823.85       11.63032  (09022407)
        463897.31   3809823.85       11.79204  (09022407)                463935.31
3809823.85       11.88830  (09022407)
        463973.31   3809823.85       12.01260  (09022407)                464011.31
3809823.85       12.19656  (09022407)
        464049.31   3809823.85       15.34217  (10031906)                464087.31
3809823.85       16.96728  (10030307)
        464125.31   3809823.85       17.02879  (10020606)                464163.31
3809823.85       17.19302  (10020606)
        464201.31   3809823.85       16.55726  (10020606)                464239.31
3809823.85       15.95415  (10020606)
        464277.31   3809823.85       15.58647  (10021420)                464315.31
3809823.85       14.90602  (10021420)
        464353.31   3809823.85       14.48139  (10021420)                464391.31
3809823.85       14.26337  (10021420)
        464429.31   3809823.85       13.97350  (10021420)                464467.31
3809823.85       13.71974  (10021420)
        464505.31   3809823.85       13.51033  (10021420)                463745.31
3809852.91       10.61408  (09022407)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 512
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1I1 ***
                                  INCLUDING SOURCE(S):     L0006493    , L0006494
, L0006495    , L0006496    , L0006497    ,
                 L0006498    , L0006499    , L0006500    , L0006501    , L0006502
, L0006503    , L0006504    , L0006505    ,
                 L0006506    , L0006507    , L0006508    , L0006509    , L0006510
, L0006511    , L0006512    , L0006513    ,
                 L0006514    , L0006515    , L0006516    , L0006517    , L0006518
, L0006519    , L0006520    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
463783.31	3809852.91	10.58740	(09022407)	463821.31	3809852.91	10.49079	(09022407)
463859.31	3809852.91	10.57317	(09022407)	463897.31	3809852.91	10.63574	(09022407)
463935.31	3809852.91	10.70778	(09022407)	463973.31	3809852.91	10.82288	(09022407)
464011.31	3809852.91	10.95005	(09022407)	464049.31	3809852.91	11.22924	(09022206)
464087.31	3809852.91	13.77745	(10031906)	464125.31	3809852.91	15.03363	(10030307)
464163.31	3809852.91	14.73950	(09021907)	464201.31	3809852.91	14.16857	(09021907)
464239.31	3809852.91	14.07904	(10020606)	464277.31	3809852.91	13.87013	(10021420)
464315.31	3809852.91	13.68149	(10021420)	464353.31	3809852.91	13.08089	(10021420)
464391.31	3809852.91	12.87751	(10021420)	464429.31	3809852.91	12.74127	(10021420)
464467.31	3809852.91	12.49628	(10021420)	464505.31	3809852.91	12.36767	(10021420)
463745.31	3809881.97	9.88151	(09022407)	463783.31	3809881.97	9.80490	(09022407)
463821.31	3809881.97	9.69909	(09022407)	463859.31	3809881.97	9.69131	(09022407)
463897.31	3809881.97	9.67477	(09022407)	463935.31	3809881.97	9.68663	(09022407)
463973.31	3809881.97	9.80809	(09022407)	464011.31	3809881.97	9.95124	(09022206)
464049.31	3809881.97	10.24930	(09022206)	464087.31	3809881.97	10.47160	(09022206)
464125.31	3809881.97	11.45569	(10012420)	464163.31	3809881.97	12.01989	(10031906)
464201.31	3809881.97	12.26403	(10031906)	464239.31	3809881.97	12.11095	(10030307)
464277.31	3809881.97	12.04551	(10030307)	464315.31	3809881.97	11.99381	(09021907)
464353.31	3809881.97	11.63750	(10021420)	464391.31	3809881.97	11.72741	(10021420)
464429.31	3809881.97	11.60381	(10021420)	464467.31			

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3809881.97       11.36484  (10021420)
        464505.31   3809881.97       11.25138  (10021420)               463745.31
3809911.03        9.18800  (09022407)
        463783.31   3809911.03        9.07572  (09022407)               463821.31
3809911.03        9.00179  (09022407)
        463859.31   3809911.03        8.94133  (09022407)               463897.31
3809911.03        8.89346  (09022407)
        463935.31   3809911.03        8.85489  (09022407)               463973.31
3809911.03        8.92204  (09022407)
        464011.31   3809911.03        9.05960  (09022206)               464049.31
3809911.03        9.38533  (09022206)
        464087.31   3809911.03        9.62431  (09022206)               464125.31
3809911.03        9.79710  (09022206)
        464163.31   3809911.03        9.90430  (09022206)               464201.31
3809911.03       10.37621  (10012420)
        464239.31   3809911.03       10.46186  (10031906)               464277.31
3809911.03       10.98580  (10031906)
        464315.31   3809911.03       10.98263  (10030307)               464353.31
3809911.03       10.89179  (10030307)
        464391.31   3809911.03       10.80480  (10030307)               464429.31
3809911.03       10.67823  (10030307)
        464467.31   3809911.03       10.60211  (10030307)               464505.31
3809911.03       10.42657  (10031906)
        463745.31   3809940.09        8.53927  (09022407)               463783.31
3809940.09        8.41873  (09022407)
        463821.31   3809940.09        8.35918  (09022407)               463859.31
3809940.09        8.27621  (09022407)
        463897.31   3809940.09        8.22434  (09022407)               463935.31
3809940.09        8.23713  (10022819)
        463973.31   3809940.09        8.32629  (10022819)               464011.31
3809940.09        8.39608  (10022819)
        464049.31   3809940.09        8.58568  (09021807)               464087.31
3809940.09        8.81791  (09022206)
        464125.31   3809940.09        9.02939  (09022206)               464163.31
3809940.09        9.20986  (09022206)
        464201.31   3809940.09        9.35357  (09022206)               464239.31
3809940.09        9.69811  (10012420)
        464277.31   3809940.09        9.73406  (10012420)               464315.31
3809940.09       10.09396  (10031906)
        464353.31   3809940.09       10.18115  (10031906)               464391.31
3809940.09       10.12852  (10031906)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 513
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
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VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                INCLUDING SOURCE(S):   L0006493   , L0006494
, L0006495   , L0006496   , L0006497   ,
                L0006498   , L0006499   , L0006500   , L0006501   , L0006502
, L0006503   , L0006504   , L0006505   ,
                L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                L0006514   , L0006515   , L0006516   , L0006517   , L0006518
, L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        464429.31   3809940.09   10.08521 (10030307)   464467.31
3809940.09   9.82483 (10031906)
        464505.31   3809940.09   9.71924 (10031906)   463745.31
3809969.15   8.04923 (09022407)
        463783.31   3809969.15   7.86479 (09022407)   463821.31
3809969.15   7.76753 (09022407)
        463859.31   3809969.15   7.68416 (09022407)   463897.31
3809969.15   7.67896 (10022819)
        463935.31   3809969.15   7.74608 (10022819)   463973.31
3809969.15   7.83875 (10022819)
        464011.31   3809969.15   7.87367 (10022819)   464049.31
3809969.15   7.96053 (10022819)
        464087.31   3809969.15   8.09839 (10022819)   464125.31
3809969.15   8.33748 (09022206)
        464163.31   3809969.15   8.55244 (09022206)   464201.31
3809969.15   8.73805 (09022206)
        464239.31   3809969.15   8.86076 (09022206)   464277.31
3809969.15   9.05206 (09022206)
        464315.31   3809969.15   9.21534 (10012420)   464353.31
3809969.15   9.63849 (10031906)
        464391.31   3809969.15   9.61555 (10031906)   464429.31
3809969.15   9.31816 (10031906)
        464467.31   3809969.15   9.10117 (10031906)   464505.31
3809969.15   9.08514 (10012420)
        463745.31   3809998.21   7.68742 (09022407)   463783.31
3809998.21   7.43200 (09022407)
        463821.31   3809998.21   7.32494 (09021807)   463859.31
3809998.21   7.28386 (09021807)
        463897.31   3809998.21   7.28228 (09021807)   463935.31
3809998.21   7.28788 (10022819)

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        463973.31   3809998.21        7.38327  (10022819)              464011.31
3809998.21        7.44154  (10022819)
        464049.31   3809998.21        7.51283  (10022819)              464087.31
3809998.21        7.62234  (10022819)
        464125.31   3809998.21        7.78669  (10022819)              464163.31
3809998.21        7.96020  (09022206)
        464201.31   3809998.21        8.15850  (09022206)              464239.31
3809998.21        8.30608  (09022206)
        464277.31   3809998.21        8.40905  (09022206)              464315.31
3809998.21        8.59836  (09022206)
        464353.31   3809998.21        8.79477  (10012420)              464391.31
3809998.21        8.75881  (10012420)
        464429.31   3809998.21        8.67381  (10012420)              464467.31
3809998.21        8.62648  (10012420)
        464505.31   3809998.21        8.59404  (09022206)              463745.31
3810027.27        7.44825  (09021807)
        463783.31   3810027.27        7.21407  (09021807)              463821.31
3810027.27        7.06207  (09021807)
        463859.31   3810027.27        6.97869  (09021807)              463897.31
3810027.27        6.95463  (09021807)
        463935.31   3810027.27        6.91250  (09021807)              463973.31
3810027.27        6.98191  (10022819)
        464011.31   3810027.27        7.05450  (10022819)              464049.31
3810027.27        7.13136  (10022819)
        464087.31   3810027.27        7.20521  (10022819)              464125.31
3810027.27        7.33598  (10022819)
        464163.31   3810027.27        7.49793  (10022819)              464201.31
3810027.27        7.62936  (10022819)
        464239.31   3810027.27        7.77238  (09022206)              464277.31
3810027.27        7.90511  (09022206)
        464315.31   3810027.27        7.99909  (09022206)              464353.31
3810027.27        8.18678  (09022206)
        464391.31   3810027.27        8.19222  (09022206)              464429.31
3810027.27        8.19770  (09022206)
        464467.31   3810027.27        8.15049  (09022206)              464505.31
3810027.27        8.14578  (09022206)
        463745.31   3810056.33        7.25133  (09021807)              463783.31
3810056.33        7.02278  (09021807)
        463821.31   3810056.33        6.81894  (09021807)              463859.31
3810056.33        6.71412  (09021807)
        463897.31   3810056.33        6.65198  (09021807)              463935.31
3810056.33        6.59923  (09021807)
        463973.31   3810056.33        6.61735  (10022819)              464011.31
3810056.33        6.69278  (10022819)
        464049.31   3810056.33        6.75494  (10022819)              464087.31
3810056.33        6.83423  (10022819)
        464125.31   3810056.33        6.92697  (10022819)              464163.31
3810056.33        7.08335  (10022819)
        464201.31   3810056.33        7.21644  (10022819)              464239.31
3810056.33        7.32256  (10022819)
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                    INCLUDING SOURCE(S):   L0006493   , L0006494 , L0006495   , L0006496   , L0006497   ,
                  L0006498   , L0006499   , L0006500   , L0006501   , L0006502 , L0006503   , L0006504   , L0006505   ,
                  L0006506   , L0006507   , L0006508   , L0006509   , L0006510 , L0006511   , L0006512   , L0006513   ,
                  L0006514   , L0006515   , L0006516   , L0006517   , L0006518 , L0006519   , L0006520   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464277.31   3810056.33   7.41607 (09022206)   464315.31   3810056.33   7.53570 (09022206)
        464353.31   3810056.33   7.63332 (09022206)   464391.31   3810056.33   7.81105 (09022206)
        464429.31   3810056.33   7.72467 (09022206)   464467.31   3810056.33   7.73215 (09022206)
        464505.31   3810056.33   7.74104 (09022206)   463745.31   3810085.39   8.67553 (10022820)
        463783.31   3810085.39   6.82775 (09021807)   463821.31   3810085.39   6.61042 (09021807)
        463859.31   3810085.39   6.47003 (09021807)   463897.31   3810085.39   6.38262 (09021807)
        463935.31   3810085.39   6.32466 (09021807)   463973.31   3810085.39   6.30342 (09021807)
        464011.31   3810085.39   6.34416 (10022819)   464049.31   3810085.39   6.38532 (10022819)
        464087.31   3810085.39   6.47873 (10022819)   464125.31   3810085.39   6.57299 (10022819)
        464163.31   3810085.39   6.69746 (10022819)   464201.31   3810085.39   6.82320 (10022819)
        464239.31   3810085.39   6.94373 (10022819)   464277.31

3810085.39 7.02817 (10022819)
464315.31 3810085.39 7.09916 (10022819) 464353.31
3810085.39 7.19824 (09022206)
464391.31 3810085.39 7.27830 (09022206) 464429.31
3810085.39 7.31859 (09022206)
464467.31 3810085.39 7.34015 (09022206) 464505.31
3810085.39 7.34689 (09022206)
463745.31 3810114.45 9.92853 (10022820) 463783.31
3810114.45 6.64175 (09021807)
463821.31 3810114.45 6.43169 (09021807) 463859.31
3810114.45 6.29412 (09021807)
463897.31 3810114.45 6.16096 (09021807) 463935.31
3810114.45 6.07783 (09021807)
463973.31 3810114.45 6.02199 (10050705) 464011.31
3810114.45 6.02440 (10022819)
464049.31 3810114.45 6.06633 (10022819) 464087.31
3810114.45 6.14947 (10022819)
464125.31 3810114.45 6.22643 (10022819) 464163.31
3810114.45 6.32669 (10022819)
464201.31 3810114.45 6.44340 (10022819) 464239.31
3810114.45 6.59283 (10022819)
464277.31 3810114.45 6.69305 (10022819) 464315.31
3810114.45 6.74063 (10022819)
464353.31 3810114.45 6.77810 (10022819) 464391.31
3810114.45 6.83590 (09022206)
464429.31 3810114.45 6.91174 (09022206) 464467.31
3810114.45 6.93895 (09022206)
464505.31 3810114.45 6.97658 (09022206) 463745.31
3810143.51 9.73055 (10022820)
463783.31 3810143.51 6.40205 (09021807) 463821.31
3810143.51 6.28737 (09021807)
463859.31 3810143.51 6.14179 (09021807) 463897.31
3810143.51 5.94944 (09021807)
463935.31 3810143.51 5.83337 (10050705) 463973.31
3810143.51 5.74827 (10050705)
464011.31 3810143.51 5.73432 (10050705) 464049.31
3810143.51 5.77161 (10022819)
464087.31 3810143.51 5.82493 (10022819) 464125.31
3810143.51 5.90656 (10022819)
464163.31 3810143.51 6.00584 (10022819) 464201.31
3810143.51 6.11021 (10022819)
464239.31 3810143.51 6.23394 (10022819) 464277.31
3810143.51 6.37215 (10022819)
464315.31 3810143.51 6.42238 (10022819) 464353.31
3810143.51 6.42675 (10022819)
464391.31 3810143.51 6.46524 (10022819) 464429.31
3810143.51 6.50859 (09022206)
464467.31 3810143.51 6.57844 (09022206) 464505.31
3810143.51 6.62955 (09022206)
464383.78 3807479.29 4.19730 (09032718) 464355.03

3807405.24   4.05893 (09032718)
        464402.07   3807352.10   3.88306 (09032718)   464367.23
3807296.35   3.83033 (09032718)
        464358.52   3807237.99   3.65898 (09032718)   464385.52
3807161.33   3.45734 (09032718)
        463132.27   3810926.37   2.97127 (09012007)   463237.82
3811199.31   2.56023 (09022207)
        464944.35   3809244.89   16.08584 (09032718)   465700.32
3809255.46   6.07464 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1I1 ***
                                  INCLUDING SOURCE(S):   L0006493   , L0006494
, L0006495   , L0006496   , L0006497   ,
                L0006498   , L0006499   , L0006500   , L0006501   , L0006502
, L0006503   , L0006504   , L0006505   ,
                L0006506   , L0006507   , L0006508   , L0006509   , L0006510
, L0006511   , L0006512   , L0006513   ,
                L0006514   , L0006515   , L0006516   , L0006517   , L0006518
, L0006519   , L0006520   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465716.18   3808536.49   5.71490 (09011918)   465544.37
3808533.85   6.68532 (09011918)
        465420.13   3808486.27   6.70226 (09031218)   465348.77
3808491.56   6.66351 (09120417)
        465317.05   3808443.98   6.60363 (09031218)   465327.62
3808406.97   6.67645 (09031218)
        465108.23   3808369.97   6.47572 (09123118)   464999.86
3808301.24   6.60021 (09111519)
        464722.31   3807973.48   4.93077 (09031218)   464717.03
3807836.03   4.60505 (09031218)
        464344.33   3807936.47   4.74366 (09032718)   464349.61
3807780.52   5.41831 (09032718)

3808894.71 5.40532 (10042219)
461845.02 3808995.99 5.41872 (10042219) 461833.33
3809114.80 4.88049 (10042219)
461843.07 3809210.24 4.52802 (09022407) 461809.96
3809297.89 4.60748 (09022407)
461856.71 3809385.54 4.35938 (09022407) 461841.13
3809482.92 4.21056 (09022407)
462004.74 3809379.69 4.73848 (09022407) 461763.22
3808793.43 3.85595 (10042219)
461753.48 3808699.93 2.75650 (09021520) 461835.28
3808686.30 2.92217 (09021520)
461823.60 3808579.17 4.65495 (09021520) 461761.27
3808585.02 4.38715 (09021520)
462301.19 3807807.15 9.47306 (09020119) 462304.78
3807868.16 11.59748 (09020119)
462216.84 3807882.52 11.86265 (09020119) 462116.34
3807886.11 11.57864 (09020119)
462114.55 3807789.20 9.43046 (09020119) 462012.25
3807887.90 11.08260 (09020119)
462008.66 3807975.84 10.59823 (09020119) 461917.14
3807972.25 9.78951 (09020119)
461922.52 3808187.60 18.56369 (10021620) 461908.17
3808288.10 14.83195 (10021620)
461848.94 3808377.83 9.64149 (09021520) 461831.00
3808494.48 6.64379 (09021520)
462421.43 3808393.98 14.17170 (10021620) 462459.11
3808501.66 9.66904 (09021520)
462437.58 3808580.62 6.84771 (09021520) 462654.73
3809189.00 6.71444 (09031106)
462559.49 3809194.32 6.63640 (09022407) 465763.86
3807935.19 3.80987 (09010519)
465819.84 3807935.19 3.70674 (09010519) 465875.82
3807935.19 3.60477 (09010519)
465931.80 3807935.19 3.50602 (09010519) 465987.78
3807935.19 3.40922 (09010519)
466043.76 3807935.19 3.31496 (09010519) 466099.74
3807935.19 3.22331 (09010519)
466155.72 3807935.19 3.13433 (09010519) 466211.70
3807935.19 3.04795 (09010519)
466267.68 3807935.19 2.96448 (09010519) 466323.66
3807935.19 2.88146 (09010519)
466379.64 3807935.19 2.80378 (09010519) 466435.62
3807935.19 2.72862 (09010519)
466491.60 3807935.19 2.65602 (09010519) 466547.58
3807935.19 2.58031 (09010519)
466603.56 3807935.19 2.51161 (09010519) 466659.54
3807935.19 2.44531 (09010519)
466715.52 3807935.19 2.38146 (09010519) 466771.50
3807935.19 2.31918 (09010519)
466827.48 3807935.19 2.25696 (09010519) 466883.46

3807935.19   2.19873 (09010519)
        465763.86   3808001.41   4.15430 (09010519)   465819.84
3808001.41   4.01825 (09010519)
        465875.82   3808001.41   3.88634 (09010519)   465931.80
3808001.41   3.75954 (09010519)
        465987.78   3808001.41   3.64125 (09010519)   466043.76
3808001.41   3.52090 (09010519)
        466099.74   3808001.41   3.41464 (09010519)   466155.72
3808001.41   3.30737 (09010519)
        466211.70   3808001.41   3.20511 (09010519)   466267.68
3808001.41   3.10620 (09010519)
        466323.66   3808001.41   3.01072 (09010519)   466379.64
3808001.41   2.91921 (09010519)
        466435.62   3808001.41   2.83143 (09010519)   466491.60
3808001.41   2.74721 (09010519)
        466547.58   3808001.41   2.66470 (09010519)   466603.56
3808001.41   2.58792 (09010519)
        466659.54   3808001.41   2.51434 (09010519)   466715.52
3808001.41   2.43773 (09010519)
        466771.50   3808001.41   2.36994 (09010519)   466827.48
3808001.41   2.30418 (09010519)
        466883.46   3808001.41   2.23876 (09010519)   465763.86
3808067.63   4.42149 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
                                   INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                 L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                 L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                 L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)

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        466155.72   3808200.07        3.59493  (10032206)               466211.70
3808200.07        3.47006  (10032206)
        466267.68   3808200.07        3.35201  (10032206)               466323.66
3808200.07        3.24537  (10032206)
        466379.64   3808200.07        3.13916  (10032206)               466435.62
3808200.07        3.03825  (10032206)
        466491.60   3808200.07        2.94238  (10032206)               466547.58
3808200.07        2.85122  (10032206)
        466603.56   3808200.07        2.76445  (10032206)               466659.54
3808200.07        2.68179  (10032206)
        466715.52   3808200.07        2.60315  (10032206)               466771.50
3808200.07        2.52690  (10032206)
        466827.48   3808200.07        2.45274  (10032206)               466883.46
3808200.07        2.38423  (10032206)
        465763.86   3808266.29        4.86480  (10032206)               465819.84
3808266.29        4.66389  (10032206)
        465875.82   3808266.29        4.47260  (10032206)               465931.80
3808266.29        4.28920  (10032206)
        465987.78   3808266.29        4.11764  (10032206)               466043.76
3808266.29        3.95688  (10032206)
        466099.74   3808266.29        3.80601  (10032206)               466155.72
3808266.29        3.66421  (10032206)
        466211.70   3808266.29        3.53119  (10032206)               466267.68
3808266.29        3.40851  (10032206)
        466323.66   3808266.29        3.28964  (10032206)               466379.64
3808266.29        3.18168  (10032206)
        466435.62   3808266.29        3.07591  (10032206)               466491.60
3808266.29        2.97280  (10032206)
        466547.58   3808266.29        2.87648  (10032206)               466603.56
3808266.29        2.78507  (10032206)
        466659.54   3808266.29        2.70102  (10032206)               466715.52
3808266.29        2.61677  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 518
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466771.50	3808266.29	2.53921	(10032206)	466827.48	3808266.29	2.46323	(10032206)
466883.46	3808266.29	2.39208	(10032206)	465763.86	3808332.51	4.87575	(10032206)
465819.84	3808332.51	4.67214	(10032206)	465875.82	3808332.51	4.46904	(10032206)
465931.80	3808332.51	4.28001	(10032206)	465987.78	3808332.51	4.10372	(10032206)
466043.76	3808332.51	3.93888	(10032206)	466099.74	3808332.51	3.78472	(10032206)
466155.72	3808332.51	3.64223	(10032206)	466211.70	3808332.51	3.50642	(10032206)
466267.68	3808332.51	3.37814	(10032206)	466323.66	3808332.51	3.26508	(10032206)
466379.64	3808332.51	3.15054	(10032206)	466435.62	3808332.51	3.04219	(10032206)
466491.60	3808332.51	2.93976	(10032206)	466547.58	3808332.51	2.84272	(10032206)
466603.56	3808332.51	2.75741	(10032206)	466659.54	3808332.51	2.67083	(10032206)
466715.52	3808332.51	2.58765	(10032206)	466771.50	3808332.51	2.50378	(10032206)
466827.48	3808332.51	2.42952	(10032206)	466883.46	3808332.51	2.35850	(10032206)
465763.86	3808398.73	4.72579	(10032206)	465819.84	3808398.73	4.52620	(10032206)
465875.82	3808398.73	4.32835	(10032206)	465931.80	3808398.73	4.14526	(10032206)
465987.78	3808398.73	3.97380	(10032206)	466043.76	3808398.73	3.81360	(10032206)
466099.74	3808398.73	3.66828	(10032206)	466155.72	3808398.73	3.52638	(10032206)
466211.70	3808398.73	3.39336	(10032206)	466267.68	3808398.73	3.27812	(10032206)
466323.66	3808398.73	3.15996	(10032206)	466379.64	3808398.73	3.04920	(10032206)
466435.62	3808398.73	2.94806	(10032206)	466491.60	3808398.73	2.84966	(10032206)
466547.58	3808398.73	2.75644	(10032206)	466603.56			

3808398.73 2.66879 (10032206)
  466659.54 3808398.73 2.58498 (10032206) 466715.52
3808398.73 2.50392 (10032206)
  466771.50 3808398.73 2.42795 (10032206) 466827.48
3808398.73 2.35480 (10032206)
  466883.46 3808398.73 2.28557 (10032206) 465763.86
3808464.95 4.52497 (09031319)
  465819.84 3808464.95 4.30190 (09031319) 465875.82
3808464.95 4.08506 (09031319)
  465931.80 3808464.95 3.89461 (10032206) 465987.78
3808464.95 3.73924 (10032206)
  466043.76 3808464.95 3.59749 (10032206) 466099.74
3808464.95 3.45801 (10032206)
  466155.72 3808464.95 3.32722 (10032206) 466211.70
3808464.95 3.20457 (10032206)
  466267.68 3808464.95 3.09622 (10032206) 466323.66
3808464.95 2.98701 (10032206)
  466379.64 3808464.95 2.88808 (10032206) 466435.62
3808464.95 2.79112 (10032206)
  466491.60 3808464.95 2.70333 (10032206) 466547.58
3808464.95 2.61571 (10032206)
  466603.56 3808464.95 2.53271 (10032206) 466659.54
3808464.95 2.45401 (10032206)
  466715.52 3808464.95 2.37953 (10032206) 466771.50
3808464.95 2.30875 (10032206)
  466827.48 3808464.95 2.24128 (10032206) 466883.46
3808464.95 2.17705 (10032206)
  465763.86 3808531.17 5.00968 (09031319) 465819.84
3808531.17 4.75774 (09031319)
  465875.82 3808531.17 4.52400 (09031319) 465931.80
3808531.17 4.30660 (09031319)
  465987.78 3808531.17 4.11198 (09031319) 466043.76
3808531.17 3.92626 (09031319)
  466099.74 3808531.17 3.75321 (09031319) 466155.72
3808531.17 3.58762 (09031319)
  466211.70 3808531.17 3.43301 (09031319) 466267.68
3808531.17 3.29301 (09031319)
  466323.66 3808531.17 3.16043 (09031319) 466379.64
3808531.17 3.03261 (09031319)
  466435.62 3808531.17 2.91611 (09031319) 466491.60
3808531.17 2.80142 (09031319)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCK1O ***
                                INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        466547.58   3808531.17   2.69328 (09031319)   466603.56
3808531.17   2.59113 (09031319)
        466659.54   3808531.17   2.49446 (09031319)   466715.52
3808531.17   2.40356 (09031319)
        466771.50   3808531.17   2.31640 (09031319)   466827.48
3808531.17   2.23565 (09031319)
        466883.46   3808531.17   2.15808 (09031319)   465763.86
3808597.39   5.26730 (09031319)
        465819.84   3808597.39   5.03283 (09031319)   465875.82
3808597.39   4.79915 (09031319)
        465931.80   3808597.39   4.57140 (09031319)   465987.78
3808597.39   4.37567 (09031319)
        466043.76   3808597.39   4.19398 (09031319)   466099.74
3808597.39   4.01455 (09031319)
        466155.72   3808597.39   3.84766 (09031319)   466211.70
3808597.39   3.69114 (09031319)
        466267.68   3808597.39   3.54084 (09031319)   466323.66
3808597.39   3.40618 (09031319)
        466379.64   3808597.39   3.27730 (09031319)   466435.62
3808597.39   3.15075 (09031319)
        466491.60   3808597.39   3.03379 (09031319)   466547.58
3808597.39   2.92152 (09031319)
        466603.56   3808597.39   2.81345 (09031319)   466659.54
3808597.39   2.71099 (09031319)
        466715.52   3808597.39   2.61427 (09031319)   466771.50
3808597.39   2.52232 (09031319)
        466827.48   3808597.39   2.43492 (09031319)   466883.46
3808597.39   2.35421 (09031319)
        465763.86   3808663.61   5.27074 (09031319)   465819.84
3808663.61   5.06671 (09031319)

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        465875.82   3808663.61        4.85789  (09031319)              465931.80
3808663.61        4.66034  (09031319)
        465987.78   3808663.61        4.47390  (09031319)              466043.76
3808663.61        4.29641  (09031319)
        466099.74   3808663.61        4.13261  (09031319)              466155.72
3808663.61        3.97200  (09031319)
        466211.70   3808663.61        3.81886  (09031319)              466267.68
3808663.61        3.67437  (09031319)
        466323.66   3808663.61        3.54715  (09031319)              466379.64
3808663.61        3.41639  (09031319)
        466435.62   3808663.61        3.30155  (09031319)              466491.60
3808663.61        3.18274  (09031319)
        466547.58   3808663.61        3.06930  (09031319)              466603.56
3808663.61        2.96144  (09031319)
        466659.54   3808663.61        2.85872  (09031319)              466715.52
3808663.61        2.76174  (09031319)
        466771.50   3808663.61        2.66924  (09031319)              466827.48
3808663.61        2.58541  (09031319)
        466883.46   3808663.61        2.50040  (09031319)              465763.86
3808729.83        5.64752  (09010419)
        465819.84   3808729.83        5.37292  (09010419)              465875.82
3808729.83        5.09258  (09010419)
        465931.80   3808729.83        4.82360  (09010419)              465987.78
3808729.83        4.57110  (09010419)
        466043.76   3808729.83        4.33463  (09010419)              466099.74
3808729.83        4.11210  (09010419)
        466155.72   3808729.83        3.94534  (09031319)              466211.70
3808729.83        3.80973  (09031319)
        466267.68   3808729.83        3.68079  (09031319)              466323.66
3808729.83        3.56692  (09031319)
        466379.64   3808729.83        3.45196  (09031319)              466435.62
3808729.83        3.33835  (09031319)
        466491.60   3808729.83        3.23394  (09031319)              466547.58
3808729.83        3.12826  (09031319)
        466603.56   3808729.83        3.02706  (09031319)              466659.54
3808729.83        2.93826  (09031319)
        466715.52   3808729.83        2.84482  (09031319)              466771.50
3808729.83        2.75593  (09031319)
        466827.48   3808729.83        2.67285  (09031319)              466883.46
3808729.83        2.59108  (09031319)
        465763.86   3808796.05        5.75427  (09010419)              465819.84
3808796.05        5.54262  (09010419)
        465875.82   3808796.05        5.28338  (09010419)              465931.80
3808796.05        5.04783  (09010419)
        465987.78   3808796.05        4.81888  (09010419)              466043.76
3808796.05        4.60109  (09010419)
        466099.74   3808796.05        4.39270  (09010419)              466155.72
3808796.05        4.19359  (09010419)
        466211.70   3808796.05        4.00360  (09010419)              466267.68
3808796.05        3.82221  (09010419)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
                                    INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        466323.66   3808796.05   3.65247 (09010419)   466379.64   3808796.05   3.48988 (09010419)
        466435.62   3808796.05   3.33938 (09010419)   466491.60   3808796.05   3.18979 (09010419)
        466547.58   3808796.05   3.09408 (09031319)   466603.56   3808796.05   3.01072 (09031319)
        466659.54   3808796.05   2.92498 (09031319)   466715.52   3808796.05   2.84417 (09031319)
        466771.50   3808796.05   2.76477 (09031319)   466827.48   3808796.05   2.68711 (09031319)
        466883.46   3808796.05   2.61601 (09031319)   465763.86   3808862.27   5.60454 (09120320)
        465819.84   3808862.27   5.38383 (09010419)   465875.82   3808862.27   5.21724 (09010419)
        465931.80   3808862.27   5.03102 (09010419)   465987.78   3808862.27   4.84612 (09010419)
        466043.76   3808862.27   4.66427 (09010419)   466099.74   3808862.27   4.49245 (09010419)
        466155.72   3808862.27   4.31297 (09010419)   466211.70   3808862.27   4.14462 (09010419)
        466267.68   3808862.27   3.98853 (09010419)   466323.66

3808862.27 3.83077 (09010419)
466379.64 3808862.27 3.68185 (09010419) 466435.62
3808862.27 3.53685 (09010419)
466491.60 3808862.27 3.39739 (09010419) 466547.58
3808862.27 3.26386 (09010419)
466603.56 3808862.27 3.13262 (09010419) 466659.54
3808862.27 3.01191 (09010419)
466715.52 3808862.27 2.89095 (09010419) 466771.50
3808862.27 2.77633 (09010419)
466827.48 3808862.27 2.66813 (09010419) 466883.46
3808862.27 2.57242 (09031319)
465763.86 3808928.49 5.49212 (09120320) 465819.84
3808928.49 5.31307 (09120320)
465875.82 3808928.49 5.13793 (09120320) 465931.80
3808928.49 4.94887 (09120320)
465987.78 3808928.49 4.75503 (09120320) 466043.76
3808928.49 4.56436 (09120320)
466099.74 3808928.49 4.40241 (09010419) 466155.72
3808928.49 4.26874 (09010419)
466211.70 3808928.49 4.13552 (09010419) 466267.68
3808928.49 4.00196 (09010419)
466323.66 3808928.49 3.86938 (09010419) 466379.64
3808928.49 3.73903 (09010419)
466435.62 3808928.49 3.61725 (09010419) 466491.60
3808928.49 3.49613 (09010419)
466547.58 3808928.49 3.37535 (09010419) 466603.56
3808928.49 3.26349 (09010419)
466659.54 3808928.49 3.14770 (09010419) 466715.52
3808928.49 3.03805 (09010419)
466771.50 3808928.49 2.92917 (09010419) 466827.48
3808928.49 2.82781 (09010419)
466883.46 3808928.49 2.72612 (09010419) 465763.86
3808994.71 5.19618 (09120320)
465819.84 3808994.71 5.06830 (09120320) 465875.82
3808994.71 4.94879 (09120320)
465931.80 3808994.71 4.83357 (09120320) 465987.78
3808994.71 4.71307 (09120320)
466043.76 3808994.71 4.56037 (09120320) 466099.74
3808994.71 4.39873 (09120320)
466155.72 3808994.71 4.23354 (09120320) 466211.70
3808994.71 4.07601 (09120320)
466267.68 3808994.71 3.91917 (09120320) 466323.66
3808994.71 3.77193 (09010419)
466379.64 3808994.71 3.67331 (09010419) 466435.62
3808994.71 3.57399 (09010419)
466491.60 3808994.71 3.47890 (09010419) 466547.58
3808994.71 3.38657 (09010419)
466603.56 3808994.71 3.28875 (09010419) 466659.54
3808994.71 3.18982 (09010419)
466715.52 3808994.71 3.10124 (09010419) 466771.50

3808994.71 3.00436 (09010419)
  466827.48 3808994.71 2.90954 (09010419) 466883.46
3808994.71 2.82151 (09010419)
  465763.86 3809060.93 5.32627 (10021420) 465819.84
3809060.93 5.01894 (10021420)
  465875.82 3809060.93 4.72995 (10021420) 465931.80
3809060.93 4.54205 (09120320)
  465987.78 3809060.93 4.46544 (09120320) 466043.76
3809060.93 4.37759 (09120320)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
  L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
  L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
  L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
  **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466099.74	3809060.93	4.26030	(09120320)	466155.72	3809060.93	4.14840	(09120320)
466211.70	3809060.93	4.02800	(09120320)	466267.68	3809060.93	3.90815	(09120320)
466323.66	3809060.93	3.78549	(09120320)	466379.64	3809060.93	3.66177	(09120320)
466435.62	3809060.93	3.54480	(09120320)	466491.60	3809060.93	3.42615	(09120320)
466547.58	3809060.93	3.30383	(09120320)	466603.56	3809060.93	3.21108	(09010419)
466659.54	3809060.93	3.14279	(09010419)	466715.52	3809060.93	3.06499	(09010419)

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        466771.50   3809060.93        2.98784  (09010419)              466827.48
3809060.93        2.91270  (09010419)
        466883.46   3809060.93        2.83893  (09010419)              465763.86
3809127.15        5.44442  (10021420)
        465819.84   3809127.15        5.20860  (10021420)              465875.82
3809127.15        4.97013  (10021420)
        465931.80   3809127.15        4.72135  (10021420)              465987.78
3809127.15        4.47303  (10021420)
        466043.76   3809127.15        4.20966  (10021420)              466099.74
3809127.15        3.96918  (09120320)
        466155.72   3809127.15        3.90221  (09120320)              466211.70
3809127.15        3.84717  (09120320)
        466267.68   3809127.15        3.77447  (09120320)              466323.66
3809127.15        3.69152  (09120320)
        466379.64   3809127.15        3.59964  (09120320)              466435.62
3809127.15        3.50829  (09120320)
        466491.60   3809127.15        3.41445  (09120320)              466547.58
3809127.15        3.31970  (09120320)
        466603.56   3809127.15        3.22563  (09120320)              466659.54
3809127.15        3.12575  (09120320)
        466715.52   3809127.15        3.02894  (09120320)              466771.50
3809127.15        2.93180  (09120320)
        466827.48   3809127.15        2.83418  (09120320)              466883.46
3809127.15        2.77856  (09010419)
        465763.86   3809193.37        5.30792  (10021420)              465819.84
3809193.37        5.17054  (10021420)
        465875.82   3809193.37        5.00112  (10021420)              465931.80
3809193.37        4.81159  (10021420)
        465987.78   3809193.37        4.59499  (10021420)              466043.76
3809193.37        4.35005  (10021420)
        466099.74   3809193.37        4.15199  (10021420)              466155.72
3809193.37        3.94467  (10021420)
        466211.70   3809193.37        3.75123  (10021420)              466267.68
3809193.37        3.55945  (10021420)
        466323.66   3809193.37        3.47605  (09120320)              466379.64
3809193.37        3.42745  (09120320)
        466435.62   3809193.37        3.36718  (09120320)              466491.60
3809193.37        3.30437  (09120320)
        466547.58   3809193.37        3.23742  (09120320)              466603.56
3809193.37        3.16998  (09120320)
        466659.54   3809193.37        3.09379  (09120320)              466715.52
3809193.37        3.01997  (09120320)
        466771.50   3809193.37        2.94018  (09120320)              466827.48
3809193.37        2.86250  (09120320)
        466883.46   3809193.37        2.78247  (09120320)              465763.86
3809259.59        4.95272  (10021420)
        465819.84   3809259.59        4.89886  (10021420)              465875.82
3809259.59        4.80745  (10021420)
        465931.80   3809259.59        4.69391  (10021420)              465987.78
3809259.59        4.54142  (10021420)
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        466043.76   3809259.59        4.37603  (10021420)               466099.74
3809259.59        4.20823  (10021420)
        466155.72   3809259.59        4.05785  (10021420)               466211.70
3809259.59        3.90064  (10021420)
        466267.68   3809259.59        3.73896  (10021420)               466323.66
3809259.59        3.56243  (10021420)
        466379.64   3809259.59        3.39165  (10021420)               466435.62
3809259.59        3.22344  (10021420)
        466491.60   3809259.59        3.10256  (09120320)               466547.58
3809259.59        3.06934  (09120320)
        466603.56   3809259.59        3.02559  (09120320)               466659.54
3809259.59        2.97743  (09120320)
        466715.52   3809259.59        2.93045  (09120320)               466771.50
3809259.59        2.87298  (09120320)
        466827.48   3809259.59        2.81539  (09120320)               466883.46
3809259.59        2.75439  (09120320)
        464503.41   3807141.91       18.50882  (09031218)               464523.41
3807141.91       18.75835  (09031218)
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                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464543.41   3807141.91       19.57052  (09120417)               464563.41
3807141.91       20.31456  (09120417)
        464583.41   3807141.91       20.76575  (09120417)               464603.41
```

3807141.91 21.13305 (10112518)
464623.41 3807141.91 21.34486 (10112518) 464643.41
3807141.91 21.19846 (10112518)
464663.41 3807141.91 20.92841 (10112518) 464683.41
3807141.91 20.46979 (10112518)
464703.41 3807141.91 19.64970 (10112518) 464723.41
3807141.91 18.81481 (10112518)
464743.41 3807141.91 19.15978 (09011918) 464763.41
3807141.91 19.52363 (09011918)
464783.41 3807141.91 19.78093 (09011918) 464803.41
3807141.91 19.85456 (09011918)
464823.41 3807141.91 19.49018 (09011918) 464843.41
3807141.91 19.17014 (09011918)
464863.41 3807141.91 18.79229 (09011918) 464883.41
3807141.91 18.19618 (09011918)
464903.41 3807141.91 17.30865 (09011918) 464923.41
3807141.91 16.27515 (09011918)
464503.41 3807161.91 19.07464 (09031218) 464523.41
3807161.91 19.41893 (09120417)
464543.41 3807161.91 20.23170 (09120417) 464563.41
3807161.91 20.93652 (09120417)
464583.41 3807161.91 21.32866 (09120417) 464603.41
3807161.91 21.52351 (10112518)
464623.41 3807161.91 21.51303 (10112518) 464643.41
3807161.91 21.44208 (10112518)
464663.41 3807161.91 20.98901 (10112518) 464683.41
3807161.91 20.27496 (10112518)
464703.41 3807161.91 19.56021 (10112518) 464723.41
3807161.91 19.26892 (09011918)
464743.41 3807161.91 19.71958 (09011918) 464763.41
3807161.91 19.73829 (09011918)
464783.41 3807161.91 19.81593 (09011918) 464803.41
3807161.91 19.82975 (09011918)
464823.41 3807161.91 19.62814 (09011918) 464843.41
3807161.91 19.29716 (09011918)
464863.41 3807161.91 18.76133 (09011918) 464883.41
3807161.91 17.79387 (09011918)
464903.41 3807161.91 16.92345 (09011918) 464923.41
3807161.91 15.99763 (09011918)
464503.41 3807181.91 19.44903 (09031218) 464523.41
3807181.91 20.09179 (09120417)
464543.41 3807181.91 20.84438 (09120417) 464563.41
3807181.91 21.43526 (09120417)
464583.41 3807181.91 21.84849 (10112518) 464603.41
3807181.91 21.97432 (10112518)
464623.41 3807181.91 21.83571 (10112518) 464643.41
3807181.91 21.69729 (10112518)
464663.41 3807181.91 21.11543 (10112518) 464683.41
3807181.91 20.25811 (10112518)
464703.41 3807181.91 19.47510 (10112518) 464723.41

3807181.91   19.78855 (09011918)
        464743.41   3807181.91   20.01877 (09011918)   464763.41
3807181.91   20.08159 (09011918)
        464783.41   3807181.91   20.11201 (09011918)   464803.41
3807181.91   19.99573 (09011918)
        464823.41   3807181.91   19.50884 (09011918)   464843.41
3807181.91   19.01697 (09011918)
        464863.41   3807181.91   18.41951 (09011918)   464883.41
3807181.91   17.52234 (09011918)
        464903.41   3807181.91   16.49585 (09011918)   464923.41
3807181.91   15.43326 (09011918)
        464503.41   3807201.91   19.87128 (09120417)   464523.41
3807201.91   20.77113 (09120417)
        464543.41   3807201.91   21.45468 (09120417)   464563.41
3807201.91   21.90766 (09120417)
        464583.41   3807201.91   22.30171 (10112518)   464603.41
3807201.91   22.37460 (10112518)
        464623.41   3807201.91   22.16478 (10112518)   464643.41
3807201.91   21.85105 (10112518)
        464663.41   3807201.91   21.16630 (10112518)   464683.41
3807201.91   20.23774 (10112518)
        464703.41   3807201.91   19.95481 (09011918)   464723.41
3807201.91   20.22536 (09011918)
        464743.41   3807201.91   20.28544 (09011918)   464763.41
3807201.91   20.45588 (09011918)
        464783.41   3807201.91   20.38879 (09011918)   464803.41
3807201.91   20.06594 (09011918)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464823.41	3807201.91	19.33411	(09011918)	464843.41	3807201.91	18.56518	(09011918)
464863.41	3807201.91	17.86243	(09011918)	464883.41	3807201.91	17.11909	(09011918)
464903.41	3807201.91	16.04103	(09011918)	464923.41	3807201.91	14.78860	(09011918)
464503.41	3807221.91	20.59718	(09120417)	464523.41	3807221.91	21.46955	(09120417)
464543.41	3807221.91	22.10593	(09120417)	464563.41	3807221.91	22.46637	(10112518)
464583.41	3807221.91	22.61125	(10112518)	464603.41	3807221.91	22.62597	(10112518)
464623.41	3807221.91	22.42283	(10112518)	464643.41	3807221.91	21.76729	(10112518)
464663.41	3807221.91	21.03501	(10112518)	464683.41	3807221.91	20.13096	(10112518)
464703.41	3807221.91	20.32231	(09011918)	464723.41	3807221.91	20.57930	(09011918)
464743.41	3807221.91	20.77977	(09011918)	464763.41	3807221.91	20.84859	(09011918)
464783.41	3807221.91	20.45885	(09011918)	464803.41	3807221.91	19.80357	(09011918)
464823.41	3807221.91	19.26161	(09011918)	464843.41	3807221.91	18.30564	(09011918)
464863.41	3807221.91	17.24016	(09011918)	464883.41	3807221.91	16.44889	(09011918)
464903.41	3807221.91	15.47920	(09011918)	464923.41	3807221.91	14.38747	(09011918)
464503.41	3807241.91	21.32050	(09120417)	464523.41	3807241.91	22.08619	(09120417)
464543.41	3807241.91	22.67245	(09120417)	464563.41	3807241.91	23.03929	(10112518)
464583.41	3807241.91	23.04921	(10112518)	464603.41	3807241.91	22.96354	(10112518)
464623.41	3807241.91	22.66453	(10112518)	464643.41	3807241.91	21.83807	(10112518)
464663.41	3807241.91	20.87411	(10112518)	464683.41	3807241.91	20.52375	(09011918)
464703.41	3807241.91	20.82088	(09011918)	464723.41	3807241.91	21.08145	(09011918)
464743.41	3807241.91	21.18738	(09011918)	464763.41	3807241.91	20.89499	(09011918)
464783.41	3807241.91	20.41979	(09011918)	464803.41	3807241.91	19.68856	(09011918)

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        464823.41   3807241.91       18.85929  (09011918)               464843.41
3807241.91       17.93227  (09011918)
        464863.41   3807241.91       16.85055  (09011918)               464883.41
3807241.91       16.00584  (09011918)
        464903.41   3807241.91       14.90997  (09011918)               464923.41
3807241.91       13.71863  (09011918)
        464503.41   3807261.91       22.04966  (09120417)               464523.41
3807261.91       22.69066  (09120417)
        464543.41   3807261.91       23.22345  (09120417)               464563.41
3807261.91       23.59146  (10112518)
        464583.41   3807261.91       23.49377  (10112518)               464603.41
3807261.91       23.24633  (10112518)
        464623.41   3807261.91       22.77354  (10112518)               464643.41
3807261.91       21.88106  (10112518)
        464663.41   3807261.91       20.71037  (09011918)               464683.41
3807261.91       20.95057  (09011918)
        464703.41   3807261.91       21.35871  (09011918)               464723.41
3807261.91       21.52580  (09011918)
        464743.41   3807261.91       21.41925  (09011918)               464763.41
3807261.91       20.85916  (09011918)
        464783.41   3807261.91       20.21208  (09011918)               464803.41
3807261.91       19.55974  (09011918)
        464823.41   3807261.91       18.48007  (09011918)               464843.41
3807261.91       17.37102  (09011918)
        464863.41   3807261.91       16.47462  (09011918)               464883.41
3807261.91       15.55664  (09011918)
        464903.41   3807261.91       14.27387  (09011918)               464923.41
3807261.91       12.66556  (09011918)
        464503.41   3807281.91       22.78895  (09120417)               464523.41
3807281.91       23.37420  (09120417)
        464543.41   3807281.91       23.83456  (10112518)               464563.41
3807281.91       24.11385  (10112518)
        464583.41   3807281.91       23.89750  (10112518)               464603.41
3807281.91       23.37743  (10112518)
        464623.41   3807281.91       22.61827  (10112518)               464643.41
3807281.91       21.80766  (10112518)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 524
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                 L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
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                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464663.41   3807281.91       21.45352  (09011918)               464683.41
3807281.91       21.60947  (09011918)
        464703.41   3807281.91       21.92479  (09011918)               464723.41
3807281.91       21.76391  (09011918)
        464743.41   3807281.91       21.30038  (09011918)               464763.41
3807281.91       20.92485  (09011918)
        464783.41   3807281.91       20.06961  (09011918)               464803.41
3807281.91       19.04706  (09011918)
        464823.41   3807281.91       18.15062  (09011918)               464843.41
3807281.91       16.94278  (09011918)
        464863.41   3807281.91       15.66621  (09011918)               464883.41
3807281.91       14.73764  (09011918)
        464903.41   3807281.91       13.10874  (09011918)               464923.41
3807281.91       11.86355  (09011918)
        464503.41   3807301.91       23.43508  (09120417)               464523.41
3807301.91       24.01316  (09120417)
        464543.41   3807301.91       24.35223  (10112518)               464563.41
3807301.91       24.42490  (10112518)
        464583.41   3807301.91       24.20209  (10112518)               464603.41
3807301.91       23.56633  (10112518)
        464623.41   3807301.91       22.63451  (10112518)               464643.41
3807301.91       21.82271  (09011918)
        464663.41   3807301.91       22.17593  (09011918)               464683.41
3807301.91       22.23540  (09011918)
        464703.41   3807301.91       22.44484  (09011918)               464723.41
3807301.91       22.11685  (09011918)
        464743.41   3807301.91       21.31466  (09011918)               464763.41
3807301.91       20.62305  (09011918)
        464783.41   3807301.91       19.79313  (09011918)               464803.41
3807301.91       18.74264  (09011918)
        464823.41   3807301.91       17.95289  (09011918)               464843.41
3807301.91       16.66568  (09011918)
        464863.41   3807301.91       14.79237  (09011918)               464883.41
3807301.91       13.61918  (09011918)
        464903.41   3807301.91       12.46360  (09011918)               464923.41
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3807301.91       10.96072  (09011918)
        464503.41   3807321.91       24.06398  (09120417)                464523.41
3807321.91       24.63852  (09120417)
        464543.41   3807321.91       24.84337  (10112518)                464563.41
3807321.91       24.69049  (10112518)
        464583.41   3807321.91       24.46084  (10112518)                464603.41
3807321.91       23.72224  (10112518)
        464623.41   3807321.91       22.64630  (10112518)                464643.41
3807321.91       22.60634  (09011918)
        464663.41   3807321.91       22.86960  (09011918)                464683.41
3807321.91       22.80577  (09011918)
        464703.41   3807321.91       22.80299  (09011918)                464723.41
3807321.91       22.36570  (09011918)
        464743.41   3807321.91       21.50959  (09011918)                464763.41
3807321.91       20.38870  (09011918)
        464783.41   3807321.91       19.39604  (09011918)                464803.41
3807321.91       18.61993  (09011918)
        464823.41   3807321.91       17.59411  (09011918)                464843.41
3807321.91       16.20054  (09011918)
        464863.41   3807321.91       14.34811  (09011918)                464883.41
3807321.91       12.97645  (09011918)
        464903.41   3807321.91       11.45943  (09011918)                464923.41
3807321.91       10.58203  (09011918)
        464503.41   3807341.91       24.78381  (09120417)                464523.41
3807341.91       25.27762  (10112518)
        464543.41   3807341.91       25.37317  (10112518)                464563.41
3807341.91       25.08427  (10112518)
        464583.41   3807341.91       24.70324  (10112518)                464603.41
3807341.91       23.80923  (10112518)
        464623.41   3807341.91       22.75432  (09011918)                464643.41
3807341.91       23.36666  (09011918)
        464663.41   3807341.91       23.52557  (09011918)                464683.41
3807341.91       23.28202  (09011918)
        464703.41   3807341.91       22.79904  (09011918)                464723.41
3807341.91       22.32232  (09011918)
        464743.41   3807341.91       21.66550  (09011918)                464763.41
3807341.91       20.42530  (09011918)
        464783.41   3807341.91       19.33470  (09011918)                464803.41
3807341.91       18.34467  (09011918)
        464823.41   3807341.91       16.86941  (09011918)                464843.41
3807341.91       14.89965  (09011918)
        464863.41   3807341.91       13.46199  (09011918)                464883.41
3807341.91       12.22685  (09011918)
        464903.41   3807341.91       11.08947  (09011918)                464923.41
3807341.91       10.14630  (09011918)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464503.41	3807361.91	25.47203	(09120417)	464523.41	3807361.91	25.75979	(10112518)
464543.41	3807361.91	25.74636	(10112518)	464563.41	3807361.91	25.42207	(10112518)
464583.41	3807361.91	24.87762	(10112518)	464603.41	3807361.91	23.82097	(10112518)
464623.41	3807361.91	23.54394	(09011918)	464643.41	3807361.91	23.86362	(09011918)
464663.41	3807361.91	23.94872	(09011918)	464683.41	3807361.91	23.74708	(09011918)
464703.41	3807361.91	23.04805	(09011918)	464723.41	3807361.91	22.19121	(09011918)
464743.41	3807361.91	21.31013	(09011918)	464763.41	3807361.91	20.26987	(09011918)
464783.41	3807361.91	18.96173	(09011918)	464803.41	3807361.91	17.60881	(09011918)
464823.41	3807361.91	15.54605	(09011918)	464843.41	3807361.91	14.22670	(09011918)
464863.41	3807361.91	12.53120	(09011918)	464883.41	3807361.91	11.61536	(09011918)
464903.41	3807361.91	10.51777	(09011918)	464923.41	3807361.91	9.44048	(09011918)
464503.41	3807381.91	26.08711	(09120417)	464523.41	3807381.91	26.18378	(10112518)
464543.41	3807381.91	26.07222	(10112518)	464563.41	3807381.91	25.68725	(10112518)

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        464583.41   3807381.91       24.91350  (10112518)               464603.41
3807381.91       23.94970  (09011918)
        464623.41   3807381.91       24.31142  (09011918)               464643.41
3807381.91       24.31064  (09011918)
        464663.41   3807381.91       24.25390  (09011918)               464683.41
3807381.91       24.01609  (09011918)
        464703.41   3807381.91       23.26632  (09011918)               464723.41
3807381.91       22.13062  (09011918)
        464743.41   3807381.91       20.75275  (09011918)               464763.41
3807381.91       19.78763  (09011918)
        464783.41   3807381.91       18.45087  (09011918)               464803.41
3807381.91       16.44401  (09011918)
        464823.41   3807381.91       14.83891  (09011918)               464843.41
3807381.91       13.10617  (09011918)
        464863.41   3807381.91       12.15894  (09011918)               464883.41
3807381.91       11.13993  (09011918)
        464903.41   3807381.91        9.91123  (09011918)               464923.41
3807381.91        8.70801  (09011918)
        464503.41   3807401.91       26.54320  (10112518)               464523.41
3807401.91       26.65666  (10112518)
        464543.41   3807401.91       26.44967  (10112518)               464563.41
3807401.91       25.85472  (10112518)
        464583.41   3807401.91       24.70013  (10112518)               464603.41
3807401.91       24.64235  (09011918)
        464623.41   3807401.91       25.06948  (09011918)               464643.41
3807401.91       24.93653  (09011918)
        464663.41   3807401.91       24.50865  (09011918)               464683.41
3807401.91       23.87077  (09011918)
        464703.41   3807401.91       23.32004  (09011918)               464723.41
3807401.91       22.18082  (09011918)
        464743.41   3807401.91       20.60152  (09011918)               464763.41
3807401.91       19.08753  (09011918)
        464783.41   3807401.91       17.81037  (09011918)               464803.41
3807401.91       16.14367  (09011918)
        464823.41   3807401.91       14.49212  (09011918)               464843.41
3807401.91       12.75115  (09011918)
        464863.41   3807401.91       11.71097  (09011918)               464883.41
3807401.91       10.28378  (09011918)
        464903.41   3807401.91        9.16475  (09011918)               464923.41
3807401.91        8.21483  (09011918)
        464503.41   3807421.91       27.12810  (10112518)               464523.41
3807421.91       27.12739  (10112518)
        464543.41   3807421.91       26.65361  (10112518)               464563.41
3807421.91       25.76229  (10112518)
        464583.41   3807421.91       24.85400  (09011918)               464603.41
3807421.91       25.31123  (09011918)
        464623.41   3807421.91       25.50146  (09011918)               464643.41
3807421.91       25.41658  (09011918)
        464663.41   3807421.91       24.86405  (09011918)               464683.41
3807421.91       23.93319  (09011918)
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
                                    INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                   L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                   L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                   L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464783.41   3807421.91   16.78090 (09011918)   464803.41   3807421.91   15.38206 (09011918)
        464823.41   3807421.91   13.94822 (09011918)   464843.41   3807421.91   12.13979 (09011918)
        464863.41   3807421.91   10.91499 (09011918)   464883.41   3807421.91   9.70565 (09011918)
        464903.41   3807421.91   8.52558 (09011918)   464923.41   3807421.91   7.42054 (09011918)
        464503.41   3807441.91   27.71002 (10112518)   464523.41   3807441.91   27.48496 (10112518)
        464543.41   3807441.91   26.74027 (10112518)   464563.41   3807441.91   25.59343 (10112518)
        464583.41   3807441.91   25.63375 (09011918)   464603.41   3807441.91   25.91247 (09011918)
        464623.41   3807441.91   25.85202 (09011918)   464643.41   3807441.91   25.72349 (09011918)
        464663.41   3807441.91   25.09171 (09011918)   464683.41

```
3807441.91       24.06534  (09011918)
        464703.41   3807441.91       22.66246  (09011918)                464723.41
3807441.91       21.30749  (09011918)
        464743.41   3807441.91       20.05026  (09011918)                464763.41
3807441.91       18.37891  (09011918)
        464783.41   3807441.91       16.21345  (09011918)                464803.41
3807441.91       14.00737  (09011918)
        464823.41   3807441.91       12.95763  (09011918)                464843.41
3807441.91       11.52299  (09011918)
        464863.41   3807441.91       10.08436  (09011918)                464883.41
3807441.91        9.16256  (09011918)
        464903.41   3807441.91        7.90160  (09011918)                464923.41
3807441.91        6.86251  (09030119)
        464503.41   3807461.91       28.21398  (10112518)                464523.41
3807461.91       27.58680  (10112518)
        464543.41   3807461.91       26.71273  (10112518)                464563.41
3807461.91       25.88996  (09011918)
        464583.41   3807461.91       26.19788  (09011918)                464603.41
3807461.91       26.40390  (09011918)
        464623.41   3807461.91       26.36990  (09011918)                464643.41
3807461.91       25.70962  (09011918)
        464663.41   3807461.91       25.03264  (09011918)                464683.41
3807461.91       24.13187  (09011918)
        464703.41   3807461.91       22.57887  (09011918)                464723.41
3807461.91       20.81872  (09011918)
        464743.41   3807461.91       19.16143  (09011918)                464763.41
3807461.91       17.70298  (09011918)
        464783.41   3807461.91       15.79699  (09011918)                464803.41
3807461.91       13.60932  (09011918)
        464823.41   3807461.91       12.49308  (09011918)                464843.41
3807461.91       11.05296  (09011918)
        464863.41   3807461.91        9.63690  (09011918)                464883.41
3807461.91        8.69791  (09011918)
        464903.41   3807461.91        7.48812  (09011918)                464923.41
3807461.91        7.22259  (09030119)
        464503.41   3807481.91       28.68506  (10112518)                464523.41
3807481.91       27.81415  (10112518)
        464543.41   3807481.91       26.62206  (10112518)                464563.41
3807481.91       26.57767  (09011918)
        464583.41   3807481.91       26.87607  (09011918)                464603.41
3807481.91       26.84676  (09011918)
        464623.41   3807481.91       26.49028  (09011918)                464643.41
3807481.91       25.83756  (09011918)
        464663.41   3807481.91       24.88383  (09011918)                464683.41
3807481.91       23.67341  (09011918)
        464703.41   3807481.91       22.27616  (09011918)                464723.41
3807481.91       20.47466  (09011918)
        464743.41   3807481.91       18.30437  (09011918)                464763.41
3807481.91       17.01918  (09011918)
        464783.41   3807481.91       15.29894  (09011918)                464803.41
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3807481.91   13.14671 (09011918)
        464823.41   3807481.91   11.97364 (09011918)   464843.41
3807481.91   10.54065 (09011918)
        464863.41   3807481.91   9.14338 (09011918)   464883.41
3807481.91   7.88262 (09011918)
        464903.41   3807481.91   7.71317 (09030119)   464923.41
3807481.91   7.55277 (09030119)
        464503.41   3807501.91   28.99922 (10112518)   464523.41
3807501.91   27.90233 (10112518)
        464543.41   3807501.91   26.86237 (09011918)   464563.41
3807501.91   27.20498 (09011918)
        464583.41   3807501.91   27.46267 (09011918)   464603.41
3807501.91   27.18395 (09011918)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
                                INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        464623.41   3807501.91   26.51245 (09011918)   464643.41
3807501.91   25.84018 (09011918)
        464663.41   3807501.91   24.62446 (09011918)   464683.41
3807501.91   23.05894 (09011918)
        464703.41   3807501.91   21.70685 (09011918)   464723.41
3807501.91   19.98336 (09011918)
        464743.41   3807501.91   17.87174 (09011918)   464763.41
3807501.91   16.34747 (09011918)

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        464783.41   3807501.91       14.66271  (09011918)               464803.41
3807501.91       12.61427  (09011918)
        464823.41   3807501.91       11.35393  (09011918)               464843.41
3807501.91        9.96242  (09011918)
        464863.41   3807501.91        8.57472  (09011918)               464883.41
3807501.91        7.94104  (09030119)
        464903.41   3807501.91        7.81873  (09030119)               464923.41
3807501.91        7.86687  (09030119)
        464503.41   3807521.91       28.98969  (10112518)               464523.41
3807521.91       27.62723  (10112518)
        464543.41   3807521.91       27.63341  (09011918)               464563.41
3807521.91       28.00925  (09011918)
        464583.41   3807521.91       27.73347  (09011918)               464603.41
3807521.91       27.39021  (09011918)
        464623.41   3807521.91       26.76853  (09011918)               464643.41
3807521.91       25.44635  (09011918)
        464663.41   3807521.91       24.17340  (09011918)               464683.41
3807521.91       22.75248  (09011918)
        464703.41   3807521.91       20.84530  (09011918)               464723.41
3807521.91       19.17297  (09011918)
        464743.41   3807521.91       17.25308  (09011918)               464763.41
3807521.91       15.34836  (09011918)
        464783.41   3807521.91       13.77055  (09011918)               464803.41
3807521.91       12.00592  (09011918)
        464823.41   3807521.91       10.41529  (09011918)               464843.41
3807521.91        9.14433  (09011918)
        464863.41   3807521.91        8.66644  (09030119)               464883.41
3807521.91        8.38186  (09030119)
        464903.41   3807521.91        8.20994  (09030119)               464923.41
3807521.91        8.23200  (09030119)
        464503.41   3807541.91       28.87900  (10112518)               464523.41
3807541.91       27.97177  (09011918)
        464543.41   3807541.91       28.37507  (09011918)               464563.41
3807541.91       28.43469  (09011918)
        464583.41   3807541.91       28.15385  (09011918)               464603.41
3807541.91       27.49447  (09011918)
        464623.41   3807541.91       26.50557  (09011918)               464643.41
3807541.91       25.24040  (09011918)
        464663.41   3807541.91       23.65182  (09011918)               464683.41
3807541.91       21.95548  (09011918)
        464703.41   3807541.91       20.18855  (09011918)               464723.41
3807541.91       18.07134  (09011918)
        464743.41   3807541.91       16.30547  (09011918)               464763.41
3807541.91       14.56122  (09011918)
        464783.41   3807541.91       12.72487  (09011918)               464803.41
3807541.91       11.37991  (09011918)
        464823.41   3807541.91        9.75479  (09011918)               464843.41
3807541.91        8.87219  (09030119)
        464863.41   3807541.91        8.76186  (09030119)               464883.41
3807541.91        8.75766  (09030119)
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        464903.41   3807541.91        8.37542  (09030119)               464923.41
3807541.91        7.98551  (09030119)
        464503.41   3807561.91       28.73895  (10112518)               464523.41
3807561.91       28.86070  (09011918)
        464543.41   3807561.91       29.02980  (09011918)               464563.41
3807561.91       28.75010  (09011918)
        464583.41   3807561.91       28.43921  (09011918)               464603.41
3807561.91       27.48522  (09011918)
        464623.41   3807561.91       26.04672  (09011918)               464643.41
3807561.91       24.80520  (09011918)
        464663.41   3807561.91       23.05693  (09011918)               464683.41
3807561.91       20.73806  (09011918)
        464703.41   3807561.91       19.11001  (09011918)               464723.41
3807561.91       17.22337  (09011918)
        464743.41   3807561.91       14.83047  (09011918)               464763.41
3807561.91       13.45323  (09011918)
        464783.41   3807561.91       12.04877  (09011918)               464803.41
3807561.91       10.62141  (09011918)
        464823.41   3807561.91        9.34347  (09030119)               464843.41
3807561.91        9.16233  (09030119)
        464863.41   3807561.91        8.73463  (09030119)               464883.41
3807561.91        8.87919  (09030119)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 528
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464903.41   3807561.91        8.34117  (09030119)                464923.41
3807561.91        8.05541  (09030119)
        464503.41   3807581.91       29.26341  (09011918)                464523.41
3807581.91       29.46602  (09011918)
        464543.41   3807581.91       29.56581  (09011918)                464563.41
3807581.91       29.33701  (09011918)
        464583.41   3807581.91       28.30403  (09011918)                464603.41
3807581.91       27.24585  (09011918)
        464623.41   3807581.91       25.95316  (09011918)                464643.41
3807581.91       24.01717  (09011918)
        464663.41   3807581.91       22.29012  (09011918)                464683.41
3807581.91       20.17686  (09011918)
        464703.41   3807581.91       18.03097  (09011918)                464723.41
3807581.91       16.24741  (09011918)
        464743.41   3807581.91       14.23142  (09011918)                464763.41
3807581.91       12.79293  (09011918)
        464783.41   3807581.91       11.22261  (09011918)                464803.41
3807581.91        9.67774  (09011918)
        464823.41   3807581.91        9.88111  (09030119)                464843.41
3807581.91        9.69465  (09030119)
        464863.41   3807581.91        9.16660  (09030119)                464883.41
3807581.91        9.29517  (09030119)
        464903.41   3807581.91        8.65263  (09030119)                464923.41
3807581.91        8.24128  (09030119)
        464503.41   3807601.91       29.97721  (09011918)                464523.41
3807601.91       29.77876  (09011918)
        464543.41   3807601.91       29.67230  (09011918)                464563.41
3807601.91       29.37193  (09011918)
        464583.41   3807601.91       28.37404  (09011918)                464603.41
3807601.91       26.91672  (09011918)
        464623.41   3807601.91       25.26857  (09011918)                464643.41
3807601.91       23.46064  (09011918)
        464663.41   3807601.91       21.12640  (09011918)                464683.41
3807601.91       19.18307  (09011918)
        464703.41   3807601.91       17.20546  (09011918)                464723.41
3807601.91       15.06302  (09011918)
        464743.41   3807601.91       13.53386  (09011918)                464763.41
3807601.91       11.88898  (09011918)
        464783.41   3807601.91       10.34191  (09011918)                464803.41
3807601.91       10.19405  (09030119)
        464823.41   3807601.91       10.01843  (09030119)                464843.41
3807601.91        9.91391  (09030119)
        464863.41   3807601.91        9.53314  (09030119)                464883.41
3807601.91        8.93851  (09030119)
        464903.41   3807601.91        8.69449  (09030119)                464923.41
3807601.91        8.46472  (09030119)
        464503.41   3807621.91       30.40414  (09011918)                464523.41
3807621.91       30.09545  (09011918)
        464543.41   3807621.91       29.59339  (09011918)                464563.41
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3807621.91       29.16021  (09011918)
        464583.41   3807621.91       28.16129  (09011918)                464603.41
3807621.91       26.49877  (09011918)
        464623.41   3807621.91       24.01878  (09011918)                464643.41
3807621.91       22.34468  (09011918)
        464663.41   3807621.91       20.27761  (09011918)                464683.41
3807621.91       17.48785  (09011918)
        464703.41   3807621.91       15.95187  (09011918)                464723.41
3807621.91       14.33887  (09011918)
        464743.41   3807621.91       12.65512  (09011918)                464763.41
3807621.91       10.87977  (09011918)
        464783.41   3807621.91       10.46144  (09030119)                464803.41
3807621.91       10.59424  (09030119)
        464823.41   3807621.91       10.23695  (09030119)                464843.41
3807621.91        9.85045  (09030119)
        464863.41   3807621.91        9.64859  (09030119)                464883.41
3807621.91        8.97882  (09030119)
        464903.41   3807621.91        8.74172  (09030119)                464923.41
3807621.91        8.46982  (09030119)
        464503.41   3807641.91       30.75971  (09011918)                464523.41
3807641.91       30.56587  (09011918)
        464543.41   3807641.91       30.22568  (09011918)                464563.41
3807641.91       29.38085  (09011918)
        464583.41   3807641.91       27.54269  (09011918)                464603.41
3807641.91       25.85657  (09011918)
        464623.41   3807641.91       23.58802  (09011918)                464643.41
3807641.91       21.22365  (09011918)
        464663.41   3807641.91       19.24237  (09011918)                464683.41
3807641.91       16.90196  (09011918)
        464703.41   3807641.91       15.26326  (09011918)                464723.41
3807641.91       13.39863  (09011918)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 529
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464743.41	3807641.91	11.52630	(09011918)	464763.41	3807641.91	10.90197	(09030119)
464783.41	3807641.91	10.94257	(09030119)	464803.41	3807641.91	10.58078	(09030119)
464823.41	3807641.91	10.58590	(09030119)	464843.41	3807641.91	9.83220	(09030119)
464863.41	3807641.91	9.27971	(09030119)	464883.41	3807641.91	9.10518	(09030119)
464903.41	3807641.91	8.74494	(09030119)	464923.41	3807641.91	8.79200	(09031219)
464503.41	3807661.91	30.49780	(09011918)	464523.41	3807661.91	30.45131	(09011918)
464543.41	3807661.91	29.95031	(09011918)	464563.41	3807661.91	28.91670	(09011918)
464583.41	3807661.91	27.18166	(09011918)	464603.41	3807661.91	24.67685	(09011918)
464623.41	3807661.91	22.60266	(09011918)	464643.41	3807661.91	20.40133	(09011918)
464663.41	3807661.91	17.61703	(09011918)	464683.41	3807661.91	15.68584	(09011918)
464703.41	3807661.91	14.08585	(09011918)	464723.41	3807661.91	12.36786	(09011918)
464743.41	3807661.91	11.27101	(09030119)	464763.41	3807661.91	11.08554	(09030119)
464783.41	3807661.91	10.97370	(09030119)	464803.41	3807661.91	10.55034	(09030119)
464823.41	3807661.91	9.88715	(09030119)	464843.41	3807661.91	9.60746	(09030119)
464863.41	3807661.91	9.34153	(09030119)	464883.41	3807661.91	9.06885	(09031219)
464903.41	3807661.91	9.12873	(09031219)	464923.41	3807661.91	9.16534	(09031219)
464503.41	3807681.91	28.80927	(09011918)	464523.41	3807681.91	28.77251	(09011918)
464543.41	3807681.91	28.27615	(09011918)	464563.41	3807681.91	27.34372	(09011918)
464583.41	3807681.91	26.02279	(09011918)	464603.41	3807681.91	23.89747	(09011918)
464623.41	3807681.91	20.65929	(09011918)	464643.41	3807681.91	18.88335	(09011918)

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        464663.41   3807681.91       16.63234  (09011918)               464683.41
3807681.91       14.39424  (09011918)
        464703.41   3807681.91       12.71921  (09011918)               464723.41
3807681.91       11.50815  (09030119)
        464743.41   3807681.91       11.74774  (09030119)               464763.41
3807681.91       11.35670  (09030119)
        464783.41   3807681.91       10.92561  (09030119)               464803.41
3807681.91       10.69541  (09030119)
        464823.41   3807681.91        9.94303  (09030119)               464843.41
3807681.91        9.66530  (09030119)
        464863.41   3807681.91        9.44757  (09031219)               464883.41
3807681.91        9.48401  (09031219)
        464903.41   3807681.91        9.51344  (09031219)               464923.41
3807681.91        9.55190  (10020118)
        464523.41   3807701.91       28.11380  (09011918)               464543.41
3807701.91       27.37829  (09011918)
        464563.41   3807701.91       26.24320  (09011918)               464583.41
3807701.91       24.76554  (09011918)
        464603.41   3807701.91       22.85429  (09011918)               464623.41
3807701.91       20.07594  (09011918)
        464643.41   3807701.91       17.44222  (09011918)               464663.41
3807701.91       15.34854  (09011918)
        464683.41   3807701.91       13.54657  (09011918)               464703.41
3807701.91       11.43879  (09030119)
        464723.41   3807701.91       11.54526  (09030119)               464743.41
3807701.91       11.76563  (09030119)
        464763.41   3807701.91       11.76895  (09030119)               464783.41
3807701.91       10.92439  (09030119)
        464803.41   3807701.91       10.29941  (09030119)               464823.41
3807701.91       10.08903  (09030119)
        464843.41   3807701.91        9.83105  (09031219)               464863.41
3807701.91        9.85922  (09031219)
        464883.41   3807701.91        9.88060  (09031219)               464903.41
3807701.91        9.95101  (10020118)
        464923.41   3807701.91       10.01168  (10020118)               464543.41
3807721.91       25.22008  (09011918)
        464563.41   3807721.91       24.64172  (09011918)               464583.41
3807721.91       23.14028  (09011918)
        464603.41   3807721.91       21.40046  (09011918)               464623.41
3807721.91       19.41588  (09011918)
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 530
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1O  ***
```

INCLUDING SOURCE(S): L0006011 , L0006012
, L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020
, L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028
, L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464643.41	3807721.91	16.55879	(09011918)	464663.41	3807721.91	14.22971	(09011918)
464683.41	3807721.91	12.15128	(09011918)	464703.41	3807721.91	11.88966	(09030119)
464723.41	3807721.91	11.68519	(09030119)	464743.41	3807721.91	11.75695	(09030119)
464763.41	3807721.91	11.01184	(09030119)	464783.41	3807721.91	10.68800	(09030119)
464803.41	3807721.91	10.37444	(09030119)	464823.41	3807721.91	10.21575	(09031219)
464843.41	3807721.91	10.25587	(09031219)	464863.41	3807721.91	10.29335	(10020118)
464883.41	3807721.91	10.37245	(10020118)	464903.41	3807721.91	10.42448	(10020118)
464923.41	3807721.91	10.44966	(10020118)	464943.41	3807721.91	10.44820	(10020118)
464963.41	3807721.91	10.42127	(10020118)	464983.41	3807721.91	10.36984	(10020118)
465003.41	3807721.91	10.29476	(10020118)	465023.41	3807721.91	10.19769	(10020118)
465043.41	3807721.91	10.08005	(10020118)	465063.41	3807721.91	9.94289	(10020118)
465083.41	3807721.91	9.78833	(10020118)	465103.41	3807721.91	9.61871	(10020118)
465123.41	3807721.91	9.43798	(10020118)	465143.41	3807721.91	9.24195	(10020118)
465163.41	3807721.91	9.03439	(10020118)	465183.41	3807721.91	8.82088	(10020118)
465203.41	3807721.91	8.59710	(10020118)	465223.41	3807721.91	8.36569	(10020118)
465243.41	3807721.91	8.12895	(10020118)	465263.41			

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3807721.91        7.88876  (10020118)
        465283.41   3807721.91        7.64694  (10020118)                465303.41
3807721.91        7.40674  (10020118)
        465323.41   3807721.91        7.16349  (10020118)                465343.41
3807721.91        6.92036  (10020118)
        465363.41   3807721.91        6.68181  (10020118)                465383.41
3807721.91        6.44331  (10020118)
        464543.41   3807741.91       23.39270  (09011918)                464563.41
3807741.91       23.83852  (09011918)
        464583.41   3807741.91       22.29855  (09011918)                464603.41
3807741.91       20.44867  (09011918)
        464623.41   3807741.91       18.37198  (09011918)                464643.41
3807741.91       15.55878  (09011918)
        464663.41   3807741.91       13.06784  (09011918)                464683.41
3807741.91       11.94524  (09030119)
        464703.41   3807741.91       12.13687  (09030119)                464723.41
3807741.91       12.20621  (09030119)
        464743.41   3807741.91       11.94116  (09030119)                464763.41
3807741.91       11.08886  (09030119)
        464783.41   3807741.91       10.75970  (09030119)                464803.41
3807741.91       10.66560  (09031219)
        464823.41   3807741.91       10.67571  (09031219)                464843.41
3807741.91       10.74744  (10020118)
        464863.41   3807741.91       10.81839  (10020118)                464883.41
3807741.91       10.85885  (10020118)
        464903.41   3807741.91       10.87205  (10020118)                464923.41
3807741.91       10.85790  (10020118)
        464943.41   3807741.91       10.81353  (10020118)                464963.41
3807741.91       10.74614  (10020118)
        464983.41   3807741.91       10.65528  (10020118)                465003.41
3807741.91       10.53685  (10020118)
        465023.41   3807741.91       10.40008  (10020118)                465043.41
3807741.91       10.24491  (10020118)
        465063.41   3807741.91       10.06811  (10020118)                465083.41
3807741.91        9.87951  (10020118)
        465103.41   3807741.91        9.67879  (10020118)                465123.41
3807741.91        9.46441  (10020118)
        465143.41   3807741.91        9.23601  (10020118)                465163.41
3807741.91        8.99798  (10020118)
        465183.41   3807741.91        8.75696  (10020118)                465203.41
3807741.91        8.51118  (10020118)
        465223.41   3807741.91        8.26054  (10020118)                465243.41
3807741.91        8.00166  (10020118)
        465263.41   3807741.91        7.74540  (10020118)                465283.41
3807741.91        7.49049  (10020118)
        465303.41   3807741.91        7.23476  (10020118)                465323.41
3807741.91        6.97741  (10020118)
        465343.41   3807741.91        6.72191  (10020118)                465363.41
3807741.91        6.47330  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
                                INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465383.41   3807741.91   6.22930 (10020118)   464543.41
3807761.91   16.04169 (09011918)
        464563.41   3807761.91   19.95665 (09011918)   464583.41
3807761.91   20.23467 (09011918)
        464603.41   3807761.91   18.73799 (09011918)   464623.41
3807761.91   16.60367 (09011918)
        464643.41   3807761.91   13.75452 (09011918)   464663.41
3807761.91   12.77109 (09030119)
        464683.41   3807761.91   12.61786 (09030119)   464703.41
3807761.91   12.78098 (09030119)
        464723.41   3807761.91   12.23000 (09030119)   464743.41
3807761.91   11.51639 (09030119)
        464763.41   3807761.91   11.25959 (09030119)   464783.41
3807761.91   11.12260 (09031219)
        464803.41   3807761.91   11.13659 (10020118)   464823.41
3807761.91   11.22842 (10020118)
        464843.41   3807761.91   11.28923 (10020118)   464863.41
3807761.91   11.31905 (10020118)
        464883.41   3807761.91   11.31701 (10020118)   464903.41
3807761.91   11.28664 (10020118)
        464923.41   3807761.91   11.22838 (10020118)   464943.41
3807761.91   11.13987 (10020118)

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        464963.41   3807761.91       11.02864  (10020118)               464983.41
3807761.91       10.89463  (10020118)
        465003.41   3807761.91       10.73410  (10020118)               465023.41
3807761.91       10.55320  (10020118)
        465043.41   3807761.91       10.35501  (10020118)               465063.41
3807761.91       10.14605  (10020118)
        465083.41   3807761.91        9.92391  (10020118)               465103.41
3807761.91        9.68886  (10020118)
        465123.41   3807761.91        9.43752  (10020118)               465143.41
3807761.91        9.18212  (10020118)
        465163.41   3807761.91        8.92122  (10020118)               465183.41
3807761.91        8.64982  (10020118)
        465203.41   3807761.91        8.38046  (10020118)               465223.41
3807761.91        8.11115  (10020118)
        465243.41   3807761.91        7.84005  (10020118)               465263.41
3807761.91        7.57001  (10020118)
        465283.41   3807761.91        7.30053  (10020118)               465303.41
3807761.91        7.02798  (10020118)
        465323.41   3807761.91        6.76265  (10020118)               465343.41
3807761.91        6.50232  (10020118)
        465363.41   3807761.91        6.24217  (10020118)               465383.41
3807761.91        6.03327  (10102019)
        464543.41   3807781.91       14.07013  (09011918)               464563.41
3807781.91       13.08456  (09011918)
        464583.41   3807781.91       13.86829  (09011918)               464603.41
3807781.91       14.14271  (09011918)
        464623.41   3807781.91       13.71815  (09011918)               464643.41
3807781.91       12.92540  (09030119)
        464663.41   3807781.91       12.79851  (09030119)               464683.41
3807781.91       12.34350  (09030119)
        464703.41   3807781.91       12.35482  (09030119)               464723.41
3807781.91       11.98327  (09030119)
        464743.41   3807781.91       11.60880  (09030119)               464763.41
3807781.91       11.58290  (09031219)
        464783.41   3807781.91       11.65639  (10020118)               464803.41
3807781.91       11.73838  (10020118)
        464823.41   3807781.91       11.78714  (10020118)               464843.41
3807781.91       11.80245  (10020118)
        464863.41   3807781.91       11.78513  (10020118)               464883.41
3807781.91       11.73653  (10020118)
        464903.41   3807781.91       11.65767  (10020118)               464923.41
3807781.91       11.55041  (10020118)
        464943.41   3807781.91       11.41678  (10020118)               464963.41
3807781.91       11.25848  (10020118)
        464983.41   3807781.91       11.07771  (10020118)               465003.41
3807781.91       10.87684  (10020118)
        465023.41   3807781.91       10.65516  (10020118)               465043.41
3807781.91       10.41690  (10020118)
        465063.41   3807781.91       10.17227  (10020118)               465083.41
3807781.91        9.91288  (10020118)
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       465103.41   3807781.91        9.64256  (10020118)               465123.41
3807781.91        9.36489  (10020118)
       465143.41   3807781.91        9.08118  (10020118)               465163.41
3807781.91        8.79340  (10020118)
       465183.41   3807781.91        8.50344  (10020118)               465203.41
3807781.91        8.21555  (10020118)
       465223.41   3807781.91        7.92837  (10020118)               465243.41
3807781.91        7.63885  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 532
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       465263.41   3807781.91        7.35488  (10020118)               465283.41
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       465303.41   3807781.91        6.79661  (10020118)               465323.41
3807781.91        6.52295  (10020118)
       465343.41   3807781.91        6.28075  (10102019)               465363.41
3807781.91        6.11640  (10102019)
       465383.41   3807781.91        5.95484  (10102019)               464543.41
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       464563.41   3807801.91       12.84726  (09011918)               464583.41
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       464603.41   3807801.91       12.30751  (09030119)               464623.41
3807801.91       12.44440  (09030119)
       464643.41   3807801.91       12.82033  (09030119)               464663.41
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3807801.91 12.72258 (09030119)
464683.41 3807801.91 12.40109 (09030119) 464703.41
3807801.91 12.30139 (09030119)
464723.41 3807801.91 12.10231 (09031219) 464743.41
3807801.91 12.12282 (09031219)
464763.41 3807801.91 12.20933 (10020118) 464783.41
3807801.91 12.27973 (10020118)
464803.41 3807801.91 12.31433 (10020118) 464823.41
3807801.91 12.31343 (10020118)
464843.41 3807801.91 12.27749 (10020118) 464863.41
3807801.91 12.20793 (10020118)
464883.41 3807801.91 12.10827 (10020118) 464903.41
3807801.91 11.97746 (10020118)
464923.41 3807801.91 11.81857 (10020118) 464943.41
3807801.91 11.63715 (10020118)
464963.41 3807801.91 11.43049 (10020118) 464983.41
3807801.91 11.20260 (10020118)
465003.41 3807801.91 10.96021 (10020118) 465023.41
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465043.41 3807801.91 10.42342 (10020118) 465063.41
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465083.41 3807801.91 9.84660 (10020118) 465103.41
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465123.41 3807801.91 9.24197 (10020118) 465143.41
3807801.91 8.93255 (10020118)
465163.41 3807801.91 8.62130 (10020118) 465183.41
3807801.91 8.31665 (10020118)
465203.41 3807801.91 8.01198 (10020118) 465223.41
3807801.91 7.70842 (10020118)
465243.41 3807801.91 7.40423 (10020118) 465263.41
3807801.91 7.10945 (10020118)
465283.41 3807801.91 6.82213 (10020118) 465303.41
3807801.91 6.54780 (10102019)
465323.41 3807801.91 6.37109 (10102019) 465343.41
3807801.91 6.19449 (10102019)
465363.41 3807801.91 6.02397 (10102019) 465383.41
3807801.91 5.85361 (10102019)
464543.41 3807821.91 13.61723 (09011918) 464563.41
3807821.91 12.79941 (09030119)
464583.41 3807821.91 12.85561 (09030119) 464603.41
3807821.91 12.85254 (09030119)
464623.41 3807821.91 12.79276 (09030119) 464643.41
3807821.91 12.94495 (09030119)
464663.41 3807821.91 12.93522 (09030119) 464683.41
3807821.91 12.81950 (09030119)
464703.41 3807821.91 12.68160 (09031219) 464723.41
3807821.91 12.68835 (10020118)
464743.41 3807821.91 12.79831 (10020118) 464763.41
3807821.91 12.85500 (10020118)
464783.41 3807821.91 12.87313 (10020118) 464803.41

3807821.91   12.85339 (10020118)
        464823.41   3807821.91   12.79584 (10020118)   464843.41
3807821.91   12.70418 (10020118)
        464863.41   3807821.91   12.57983 (10020118)   464883.41
3807821.91   12.42197 (10020118)
        464903.41   3807821.91   12.23794 (10020118)   464923.41
3807821.91   12.02887 (10020118)
        464943.41   3807821.91   11.79272 (10020118)   464963.41
3807821.91   11.53923 (10020118)
        464983.41   3807821.91   11.26885 (10020118)   465003.41
3807821.91   10.97802 (10020118)
        465023.41   3807821.91   10.67869 (10020118)   465043.41
3807821.91   10.37028 (10020118)
        465063.41   3807821.91   10.04794 (10020118)   465083.41
3807821.91   9.72478 (10020118)
        465103.41   3807821.91   9.39917 (10020118)   465123.41
3807821.91   9.06548 (10020118)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                 L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                 L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                 L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465143.41   3807821.91   8.73677 (10020118)   465163.41
3807821.91   8.41216 (10020118)
        465183.41   3807821.91   8.09111 (10020118)   465203.41
3807821.91   7.76851 (10020118)

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        465223.41   3807821.91        7.44961  (10020118)               465243.41
3807821.91        7.14222  (10020118)
        465263.41   3807821.91        6.84218  (10020118)               465283.41
3807821.91        6.64582  (10102019)
        465303.41   3807821.91        6.45517  (10102019)               465323.41
3807821.91        6.26971  (10102019)
        465343.41   3807821.91        6.08796  (10102019)               465363.41
3807821.91        5.90885  (10102019)
        465383.41   3807821.91        5.72759  (10102019)               464543.41
3807841.91       13.28215  (09030119)
        464563.41   3807841.91       13.33981  (09030119)               464583.41
3807841.91       13.38889  (09030119)
        464603.41   3807841.91       13.36261  (09030119)               464623.41
3807841.91       13.26311  (09030119)
        464643.41   3807841.91       13.10348  (09030119)               464663.41
3807841.91       13.17952  (09031219)
        464683.41   3807841.91       13.22765  (09031219)               464723.41
3807841.91       13.42647  (10020118)
        464743.41   3807841.91       13.46689  (10020118)               464763.41
3807841.91       13.46591  (10020118)
        464783.41   3807841.91       13.42416  (10020118)               464803.41
3807841.91       13.34324  (10020118)
        464823.41   3807841.91       13.22539  (10020118)               464843.41
3807841.91       13.07251  (10020118)
        464863.41   3807841.91       12.88746  (10020118)               464883.41
3807841.91       12.67325  (10020118)
        464903.41   3807841.91       12.43248  (10020118)               464923.41
3807841.91       12.16821  (10020118)
        464943.41   3807841.91       11.88367  (10020118)               464963.41
3807841.91       11.58128  (10020118)
        464983.41   3807841.91       11.26406  (10020118)               465003.41
3807841.91       10.93516  (10020118)
        465023.41   3807841.91       10.59665  (10020118)               465043.41
3807841.91       10.25129  (10020118)
        465063.41   3807841.91        9.90176  (10020118)               465083.41
3807841.91        9.54956  (10020118)
        465103.41   3807841.91        9.19695  (10020118)               465123.41
3807841.91        8.84599  (10020118)
        465143.41   3807841.91        8.49760  (10020118)               465163.41
3807841.91        8.15425  (10020118)
        465183.41   3807841.91        7.82068  (10020118)               465203.41
3807841.91        7.49031  (10020118)
        465223.41   3807841.91        7.16573  (10020118)               465243.41
3807841.91        6.93111  (10102019)
        465263.41   3807841.91        6.73285  (10102019)               465283.41
3807841.91        6.53675  (10102019)
        465303.41   3807841.91        6.33897  (10102019)               465323.41
3807841.91        6.14620  (10102019)
        465343.41   3807841.91        5.95648  (10102019)               465363.41
3807841.91        5.76632  (10102019)
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        465383.41   3807841.91        5.57974  (10102019)               464503.41
3807861.91       15.29983  (09011918)
        464523.41   3807861.91       14.03143  (09011918)               464543.41
3807861.91       13.84239  (09030119)
        464563.41   3807861.91       13.83763  (09030119)               464583.41
3807861.91       13.85502  (09030119)
        464603.41   3807861.91       13.80945  (09030119)               464723.41
3807861.91       14.11863  (10020118)
        464743.41   3807861.91       14.09542  (10020118)               464763.41
3807861.91       14.02910  (10020118)
        464783.41   3807861.91       13.92086  (10020118)               464803.41
3807861.91       13.77264  (10020118)
        464823.41   3807861.91       13.59007  (10020118)               464843.41
3807861.91       13.37247  (10020118)
        464863.41   3807861.91       13.12410  (10020118)               464883.41
3807861.91       12.85207  (10020118)
        464903.41   3807861.91       12.55380  (10020118)               464923.41
3807861.91       12.23446  (10020118)
        464943.41   3807861.91       11.90226  (10020118)               464963.41
3807861.91       11.55242  (10020118)
        464983.41   3807861.91       11.19064  (10020118)               465003.41
3807861.91       10.82593  (10020118)
        465023.41   3807861.91       10.45129  (10020118)               465043.41
3807861.91       10.07270  (10020118)
        465063.41   3807861.91        9.69882  (10020118)               465083.41
3807861.91        9.32147  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 534
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465103.41	3807861.91	8.94621	(10020118)	465123.41	3807861.91	8.58093	(10020118)
465143.41	3807861.91	8.21693	(10020118)	465163.41	3807861.91	7.85921	(10020118)
465183.41	3807861.91	7.51478	(10020118)	465203.41	3807861.91	7.24555	(10102019)
465223.41	3807861.91	7.03290	(10102019)	465243.41	3807861.91	6.81561	(10102019)
465263.41	3807861.91	6.60549	(10102019)	465283.41	3807861.91	6.40010	(10102019)
465303.41	3807861.91	6.19617	(10102019)	465323.41	3807861.91	5.99658	(10102019)
465343.41	3807861.91	5.80011	(10102019)	465363.41	3807861.91	5.60248	(10102019)
465383.41	3807861.91	5.41220	(10102019)	464503.41	3807881.91	14.98800	(09011918)
464523.41	3807881.91	14.49402	(09030119)	464543.41	3807881.91	14.44715	(09030119)
464723.41	3807881.91	14.76467	(10020118)	464743.41	3807881.91	14.66967	(10020118)
464763.41	3807881.91	14.53108	(10020118)	464783.41	3807881.91	14.35120	(10020118)
464803.41	3807881.91	14.13205	(10020118)	464823.41	3807881.91	13.87726	(10020118)
464843.41	3807881.91	13.59434	(10020118)	464863.41	3807881.91	13.28535	(10020118)
464883.41	3807881.91	12.94856	(10020118)	464903.41	3807881.91	12.59579	(10020118)
464923.41	3807881.91	12.22797	(10020118)	464943.41	3807881.91	11.84134	(10020118)
464963.41	3807881.91	11.44994	(10020118)	464983.41	3807881.91	11.05326	(10020118)
465003.41	3807881.91	10.64580	(10020118)	465023.41	3807881.91	10.24265	(10020118)
465043.41	3807881.91	9.84181	(10020118)	465063.41	3807881.91	9.43689	(10020118)
465083.41	3807881.91	9.04247	(10020118)	465103.41	3807881.91	8.65565	(10020118)
465123.41	3807881.91	8.26962	(10020118)	465143.41	3807881.91	7.89793	(10020118)
465163.41	3807881.91	7.58349	(10102019)	465183.41	3807881.91	7.34679	(10102019)
465203.41	3807881.91	7.11847	(10102019)	465223.41	3807881.91	6.89507	(10102019)
465243.41	3807881.91	6.67351	(10102019)	465263.41			

3807881.91   6.45616 (10102019)
        465283.41   3807881.91   6.24162 (10102019)   465303.41
3807881.91   6.02503 (10102019)
        465323.41   3807881.91   5.81831 (10102019)   465343.41
3807881.91   5.61829 (10102019)
        465363.41   3807881.91   5.42224 (10102019)   465383.41
3807881.91   5.22744 (10102019)
        464723.41   3807901.91   15.34762 (10020118)   464743.41
3807901.91   15.17498 (10020118)
        464763.41   3807901.91   14.95781 (10020118)   464783.41
3807901.91   14.70140 (10020118)
        464803.41   3807901.91   14.40929 (10020118)   464823.41
3807901.91   14.08306 (10020118)
        464843.41   3807901.91   13.73329 (10020118)   464863.41
3807901.91   13.36186 (10020118)
        464883.41   3807901.91   12.96541 (10020118)   464903.41
3807901.91   12.55556 (10020118)
        464923.41   3807901.91   12.13565 (10020118)   464943.41
3807901.91   11.70796 (10020118)
        464963.41   3807901.91   11.27909 (10020118)   464983.41
3807901.91   10.84802 (10020118)
        465003.41   3807901.91   10.40822 (10020118)   465023.41
3807901.91   9.97474 (10020118)
        465043.41   3807901.91   9.54845 (10020118)   465063.41
3807901.91   9.12934 (10020118)
        465083.41   3807901.91   8.71821 (10020118)   465103.41
3807901.91   8.31671 (10020118)
        465123.41   3807901.91   7.95107 (10102019)   465143.41
3807901.91   7.69961 (10102019)
        465163.41   3807901.91   7.45055 (10102019)   465183.41
3807901.91   7.20489 (10102019)
        465203.41   3807901.91   6.96635 (10102019)   465223.41
3807901.91   6.73235 (10102019)
        465243.41   3807901.91   6.49845 (10102019)   465263.41
3807901.91   6.27279 (10102019)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
                                    INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028

, L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465283.41   3807901.91   6.05313 (10102019)   465303.41
3807901.91   5.83517 (10102019)
        465323.41   3807901.91   5.62262 (10102019)   465343.41
3807901.91   5.41652 (10102019)
        465363.41   3807901.91   5.21984 (10102019)   465383.41
3807901.91   5.02643 (10102019)
        464723.41   3807921.91   15.84793 (10020118)   464743.41
3807921.91   15.59632 (10020118)
        464763.41   3807921.91   15.29588 (10020118)   464783.41
3807921.91   14.95989 (10020118)
        464803.41   3807921.91   14.59267 (10020118)   464823.41
3807921.91   14.19621 (10020118)
        464843.41   3807921.91   13.77956 (10020118)   464863.41
3807921.91   13.34568 (10020118)
        464883.41   3807921.91   12.89272 (10020118)   464903.41
3807921.91   12.42976 (10020118)
        464923.41   3807921.91   11.96229 (10020118)   464943.41
3807921.91   11.49987 (10020118)
        464963.41   3807921.91   11.03594 (10020118)   464983.41
3807921.91   10.57270 (10020118)
        465003.41   3807921.91   10.10697 (10020118)   465023.41
3807921.91   9.64987 (10020118)
        465043.41   3807921.91   9.20403 (10020118)   465063.41
3807921.91   8.77482 (10020118)
        465083.41   3807921.91   8.35281 (10102019)   465103.41
3807921.91   8.07841 (10102019)
        465123.41   3807921.91   7.81271 (10102019)   465143.41
3807921.91   7.54572 (10102019)
        465163.41   3807921.91   7.28214 (10102019)   465183.41
3807921.91   7.02894 (10102019)
        465203.41   3807921.91   6.78207 (10102019)   465223.41
3807921.91   6.53993 (10102019)
        465243.41   3807921.91   6.29707 (10102019)   465263.41
3807921.91   6.06432 (10102019)
        465283.41   3807921.91   5.84017 (10102019)   465303.41
3807921.91   5.62383 (10102019)

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        465323.41   3807921.91        5.40921  (10102019)               465343.41
3807921.91        5.20029  (10102019)
        465363.41   3807921.91        5.00354  (10102019)               465383.41
3807921.91        4.81215  (10102019)
        464723.41   3807941.91       16.23980  (10020118)               464743.41
3807941.91       15.91317  (10020118)
        464763.41   3807941.91       15.53344  (10020118)               464783.41
3807941.91       15.11638  (10020118)
        464803.41   3807941.91       14.67101  (10020118)               464823.41
3807941.91       14.20825  (10020118)
        464843.41   3807941.91       13.72594  (10020118)               464863.41
3807941.91       13.22912  (10020118)
        464883.41   3807941.91       12.72186  (10020118)               464903.41
3807941.91       12.21710  (10020118)
        464923.41   3807941.91       11.71592  (10020118)               464943.41
3807941.91       11.21856  (10020118)
        464963.41   3807941.91       10.72000  (10020118)               464983.41
3807941.91       10.22553  (10020118)
        465003.41   3807941.91        9.73924  (10020118)               465023.41
3807941.91        9.27207  (10020118)
        465043.41   3807941.91        8.81990  (10020118)               465063.41
3807941.91        8.49267  (10102019)
        465083.41   3807941.91        8.20217  (10102019)               465103.41
3807941.91        7.91730  (10102019)
        465123.41   3807941.91        7.63002  (10102019)               465143.41
3807941.91        7.35424  (10102019)
        465163.41   3807941.91        7.08582  (10102019)               465183.41
3807941.91        6.81686  (10102019)
        465203.41   3807941.91        6.56148  (10102019)               465223.41
3807941.91        6.31551  (10102019)
        465243.41   3807941.91        6.07538  (10102019)               465263.41
3807941.91        5.83765  (10102019)
        465283.41   3807941.91        5.60673  (10102019)               465303.41
3807941.91        5.38991  (10102019)
        465323.41   3807941.91        5.17931  (10102019)               465343.41
3807941.91        4.97592  (10102019)
        465363.41   3807941.91        4.78049  (10102019)               465383.41
3807941.91        4.58771  (10102019)
        465403.41   3807941.91        4.53314  (09010519)               465423.41
3807941.91        4.49673  (09010519)
        465443.41   3807941.91        4.46074  (09010519)               465463.41
3807941.91        4.42633  (09010519)
        465483.41   3807941.91        4.38900  (09010519)               465503.41
3807941.91        4.35229  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465523.41	3807941.91	4.31468	(09010519)	465543.41	3807941.91	4.27188	(09010519)
465563.41	3807941.91	4.23260	(09010519)	465583.41	3807941.91	4.19521	(09010519)
465603.41	3807941.91	4.15868	(09010519)	465623.41	3807941.91	4.11810	(09010519)
465643.41	3807941.91	4.07669	(09010519)	465663.41	3807941.91	4.03944	(09010519)
465683.41	3807941.91	3.99901	(09010519)	465703.41	3807941.91	3.95814	(09010519)
464723.41	3807961.91	16.48129	(10020118)	464743.41	3807961.91	16.10761	(10020118)
464763.41	3807961.91	15.65520	(10020118)	464783.41	3807961.91	15.16170	(10020118)
464803.41	3807961.91	14.64432	(10020118)	464823.41	3807961.91	14.11209	(10020118)
464843.41	3807961.91	13.57071	(10020118)	464863.41	3807961.91	13.02349	(10020118)
464883.41	3807961.91	12.46959	(10020118)	464903.41	3807961.91	11.92587	(10020118)
464923.41	3807961.91	11.39080	(10020118)	464943.41	3807961.91	10.85877	(10020118)
464963.41	3807961.91	10.33820	(10020118)	464983.41	3807961.91	9.82955	(10020118)
465003.41	3807961.91	9.32969	(10020118)	465023.41	3807961.91	8.95131	(10102019)
465043.41	3807961.91	8.63763	(10102019)	465063.41			

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3807961.91        8.31865  (10102019)
        465083.41   3807961.91        8.00935  (10102019)                465103.41
3807961.91        7.70880  (10102019)
        465123.41   3807961.91        7.41563  (10102019)                465143.41
3807961.91        7.12952  (10102019)
        465163.41   3807961.91        6.85121  (10102019)                465183.41
3807961.91        6.58129  (10102019)
        465203.41   3807961.91        6.31926  (10102019)                465223.41
3807961.91        6.06640  (10102019)
        465243.41   3807961.91        5.82636  (10102019)                465263.41
3807961.91        5.59131  (10102019)
        465283.41   3807961.91        5.36385  (10102019)                465303.41
3807961.91        5.14813  (10102019)
        465323.41   3807961.91        4.93724  (10102019)                465343.41
3807961.91        4.86604  (09010519)
        465363.41   3807961.91        4.82492  (09010519)                465383.41
3807961.91        4.78072  (09010519)
        465403.41   3807961.91        4.73490  (09010519)                465423.41
3807961.91        4.68860  (09010519)
        465443.41   3807961.91        4.64527  (09010519)                465463.41
3807961.91        4.60925  (09010519)
        465483.41   3807961.91        4.56296  (09010519)                465503.41
3807961.91        4.51965  (09010519)
        465523.41   3807961.91        4.47700  (09010519)                465543.41
3807961.91        4.43142  (09010519)
        465563.41   3807961.91        4.38857  (09010519)                465583.41
3807961.91        4.34633  (09010519)
        465603.41   3807961.91        4.30104  (09010519)                465623.41
3807961.91        4.25623  (09010519)
        465643.41   3807961.91        4.21182  (09010519)                465663.41
3807961.91        4.16739  (09010519)
        465683.41   3807961.91        4.12350  (09010519)                465703.41
3807961.91        4.08073  (09010519)
        464743.41   3807981.91       16.15796  (10020118)                464763.41
3807981.91       15.64842  (10020118)
        464783.41   3807981.91       15.08704  (10020118)                464803.41
3807981.91       14.50428  (10020118)
        464823.41   3807981.91       13.90614  (10020118)                464843.41
3807981.91       13.31218  (10020118)
        464863.41   3807981.91       12.72229  (10020118)                464883.41
3807981.91       12.12857  (10020118)
        464903.41   3807981.91       11.55199  (10020118)                464923.41
3807981.91       10.98968  (10020118)
        464943.41   3807981.91       10.43322  (10020118)                464963.41
3807981.91        9.89772  (10020118)
        464983.41   3807981.91        9.45378  (10102019)                465003.41
3807981.91        9.10318  (10102019)
        465023.41   3807981.91        8.76347  (10102019)                465043.41
3807981.91        8.43181  (10102019)
        465063.41   3807981.91        8.10161  (10102019)                465083.41
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465143.41	3807981.91	6.87539	(10102019)	465163.41	3807981.91	6.58900	(10102019)
465183.41	3807981.91	6.31978	(10102019)	465203.41	3807981.91	6.05528	(10102019)
465223.41	3807981.91	5.79987	(10102019)	465243.41	3807981.91	5.56080	(10102019)
465263.41	3807981.91	5.33060	(10102019)	465283.41	3807981.91	5.24103	(09010519)
465303.41	3807981.91	5.19098	(09010519)	465323.41	3807981.91	5.13662	(09010519)
465343.41	3807981.91	5.08144	(09010519)	465363.41	3807981.91	5.03115	(09010519)
465383.41	3807981.91	4.98200	(09010519)	465403.41	3807981.91	4.93228	(09010519)
465423.41	3807981.91	4.87649	(09010519)	465443.41	3807981.91	4.82582	(09010519)
465463.41	3807981.91	4.78723	(09010519)	465483.41	3807981.91	4.73217	(09010519)

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        465503.41   3807981.91        4.68222  (09010519)              465523.41
3807981.91        4.63446  (09010519)
        465543.41   3807981.91        4.58560  (09010519)              465563.41
3807981.91        4.53815  (09010519)
        465583.41   3807981.91        4.49030  (09010519)              465603.41
3807981.91        4.43764  (09010519)
        465623.41   3807981.91        4.38875  (09010519)              465643.41
3807981.91        4.34100  (09010519)
        465663.41   3807981.91        4.28975  (09010519)              465683.41
3807981.91        4.24331  (09010519)
        465703.41   3807981.91        4.19904  (09010519)              464763.41
3808001.91       15.49161  (10020118)
        464783.41   3808001.91       14.88113  (10020118)              464803.41
3808001.91       14.24403  (10020118)
        464823.41   3808001.91       13.58931  (10020118)              464843.41
3808001.91       12.94951  (10020118)
        464863.41   3808001.91       12.32154  (10020118)              464883.41
3808001.91       11.69495  (10020118)
        464903.41   3808001.91       11.09418  (10020118)              464923.41
3808001.91       10.51523  (10020118)
        464943.41   3808001.91        9.99818  (10102019)              464963.41
3808001.91        9.61655  (10102019)
        464983.41   3808001.91        9.24060  (10102019)              465003.41
3808001.91        8.88061  (10102019)
        465023.41   3808001.91        8.52296  (10102019)              465043.41
3808001.91        8.17343  (10102019)
        465063.41   3808001.91        7.84141  (10102019)              465083.41
3808001.91        7.51240  (10102019)
        465103.41   3808001.91        7.19271  (10102019)              465123.41
3808001.91        6.89363  (10102019)
        465143.41   3808001.91        6.59736  (10102019)              465163.41
3808001.91        6.30858  (10102019)
        465183.41   3808001.91        6.03189  (10102019)              465203.41
3808001.91        5.77148  (10102019)
        465223.41   3808001.91        5.65477  (09010519)              465243.41
3808001.91        5.59838  (09010519)
        465263.41   3808001.91        5.54178  (09010519)              465283.41
3808001.91        5.48346  (09010519)
        465303.41   3808001.91        5.41756  (09010519)              465323.41
3808001.91        5.35712  (09010519)
        465343.41   3808001.91        5.29816  (09010519)              465363.41
3808001.91        5.23301  (09010519)
        465383.41   3808001.91        5.17452  (09010519)              465403.41
3808001.91        5.11880  (09010519)
        465423.41   3808001.91        5.06232  (09010519)              465443.41
3808001.91        5.00706  (09010519)
        465463.41   3808001.91        4.95440  (09010519)              465483.41
3808001.91        4.89885  (09010519)
        465503.41   3808001.91        4.84470  (09010519)              465523.41
3808001.91        4.79008  (09010519)
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3808021.91 8.60266 (10102019)
465023.41 3808021.91 8.23621 (10102019) 465043.41
3808021.91 7.88165 (10102019)
465063.41 3808021.91 7.53868 (10102019) 465083.41
3808021.91 7.20837 (10102019)
465103.41 3808021.91 6.89056 (10102019) 465123.41
3808021.91 6.58452 (10102019)
465143.41 3808021.91 6.29101 (10102019) 465163.41
3808021.91 6.13856 (09010519)
465183.41 3808021.91 6.05936 (09010519) 465203.41
3808021.91 5.98869 (09010519)
465223.41 3808021.91 5.92111 (09010519) 465243.41
3808021.91 5.84846 (09010519)
465263.41 3808021.91 5.78028 (09010519) 465283.41
3808021.91 5.71363 (09010519)
465303.41 3808021.91 5.64272 (09010519) 465323.41
3808021.91 5.57200 (09010519)
465343.41 3808021.91 5.50185 (09010519) 465363.41
3808021.91 5.43266 (09010519)
465383.41 3808021.91 5.36777 (09010519) 465403.41
3808021.91 5.30409 (09010519)
465423.41 3808021.91 5.23642 (09010519) 465443.41
3808021.91 5.17310 (09010519)
465463.41 3808021.91 5.11927 (09010519) 465483.41
3808021.91 5.05379 (09010519)
465503.41 3808021.91 4.99256 (09010519) 465523.41
3808021.91 4.93275 (09010519)
465543.41 3808021.91 4.87006 (09010519) 465563.41
3808021.91 4.80792 (09010519)
465583.41 3808021.91 4.74743 (09010519) 465603.41
3808021.91 4.69149 (09010519)
465623.41 3808021.91 4.63338 (09010519) 465643.41
3808021.91 4.57556 (09010519)
465663.41 3808021.91 4.52185 (09010519) 465683.41
3808021.91 4.46587 (09010519)
465703.41 3808021.91 4.40947 (09010519) 464783.41
3808041.91 13.99659 (10020118)
464803.41 3808041.91 13.31690 (10020118) 464823.41
3808041.91 12.62617 (10020118)
464843.41 3808041.91 11.94120 (10020118) 464863.41
3808041.91 11.27333 (10020118)
464883.41 3808041.91 10.79144 (10102019) 464903.41
3808041.91 10.33995 (10102019)
464923.41 3808041.91 9.89795 (10102019) 464943.41
3808041.91 9.47851 (10102019)
464963.41 3808041.91 9.07140 (10102019) 464983.41
3808041.91 8.67501 (10102019)
465003.41 3808041.91 8.28117 (10102019) 465023.41
3808041.91 7.90871 (10102019)
465043.41 3808041.91 7.55248 (10102019) 465063.41

3808041.91   7.20408 (10102019)
        465083.41   3808041.91   6.87468 (10102019)   465103.41
3808041.91   6.68828 (09010519)
        465123.41   3808041.91   6.59810 (09010519)   465143.41
3808041.91   6.51345 (09010519)
        465163.41   3808041.91   6.43058 (09010519)   465183.41
3808041.91   6.34170 (09010519)
        465203.41   3808041.91   6.25856 (09010519)   465223.41
3808041.91   6.17743 (09010519)
        465243.41   3808041.91   6.09062 (09010519)   465263.41
3808041.91   6.00966 (09010519)
        465283.41   3808041.91   5.93254 (09010519)   465303.41
3808041.91   5.85819 (09010519)
        465323.41   3808041.91   5.77808 (09010519)   465343.41
3808041.91   5.69713 (09010519)
        465363.41   3808041.91   5.62309 (09010519)   465383.41
3808041.91   5.55132 (09010519)
        465403.41   3808041.91   5.47973 (09010519)   465423.41
3808041.91   5.40171 (09010519)
        465443.41   3808041.91   5.33062 (09010519)   465463.41
3808041.91   5.27460 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
                                 INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                 L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                 L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                 L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
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        465483.41   3808041.91        5.19973  (09010519)              465503.41
3808041.91        5.13025  (09010519)
        465523.41   3808041.91        5.06420  (09010519)              465543.41
3808041.91        5.00056  (09010519)
        465563.41   3808041.91        4.93252  (09010519)              465583.41
3808041.91        4.86455  (09010519)
        465603.41   3808041.91        4.80386  (09010519)              465623.41
3808041.91        4.74405  (09010519)
        465643.41   3808041.91        4.68484  (09010519)              465663.41
3808041.91        4.62509  (09010519)
        465683.41   3808041.91        4.56269  (09010519)              465703.41
3808041.91        4.50092  (09010519)
        464803.41   3808061.91       12.69576  (10020118)              464823.41
3808061.91       11.99165  (10020118)
        464843.41   3808061.91       11.43931  (10102019)              464863.41
3808061.91       10.96575  (10102019)
        464883.41   3808061.91       10.48971  (10102019)              464903.41
3808061.91       10.02578  (10102019)
        464923.41   3808061.91        9.57668  (10102019)              464943.41
3808061.91        9.14445  (10102019)
        464963.41   3808061.91        8.72773  (10102019)              464983.41
3808061.91        8.32465  (10102019)
        465003.41   3808061.91        7.92707  (10102019)              465023.41
3808061.91        7.54697  (10102019)
        465043.41   3808061.91        7.30976  (09010519)              465063.41
3808061.91        7.21242  (09010519)
        465083.41   3808061.91        7.10846  (09010519)              465103.41
3808061.91        7.00370  (09010519)
        465123.41   3808061.91        6.90851  (09010519)              465143.41
3808061.91        6.80709  (09010519)
        465163.41   3808061.91        6.70520  (09010519)              465183.41
3808061.91        6.61295  (09010519)
        465203.41   3808061.91        6.51482  (09010519)              465223.41
3808061.91        6.41643  (09010519)
        465243.41   3808061.91        6.32765  (09010519)              465263.41
3808061.91        6.23328  (09010519)
        465283.41   3808061.91        6.13922  (09010519)              465303.41
3808061.91        6.05598  (09010519)
        465323.41   3808061.91        5.97246  (09010519)              465343.41
3808061.91        5.88822  (09010519)
        465363.41   3808061.91        5.79758  (09010519)              465383.41
3808061.91        5.71587  (09010519)
        465403.41   3808061.91        5.63834  (09010519)              465423.41
3808061.91        5.56073  (09010519)
        465443.41   3808061.91        5.48536  (09010519)              465463.41
3808061.91        5.41379  (09010519)
        465483.41   3808061.91        5.33955  (09010519)              465503.41
3808061.91        5.26145  (09010519)
        465523.41   3808061.91        5.18391  (09010519)              465543.41
3808061.91        5.11509  (09010519)
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        465563.41   3808061.91        5.04646  (09010519)               465583.41
3808061.91        4.97868  (09010519)
        465603.41   3808061.91        4.91318  (09010519)               465623.41
3808061.91        4.84876  (09010519)
        465643.41   3808061.91        4.78404  (09010519)               465663.41
3808061.91        4.71411  (09010519)
        465683.41   3808061.91        4.64973  (09010519)               465703.41
3808061.91        4.58876  (09010519)
        464823.41   3808081.91       11.59934  (10102019)               464843.41
3808081.91       11.09311  (10102019)
        464863.41   3808081.91       10.59624  (10102019)               464883.41
3808081.91       10.11531  (10102019)
        464903.41   3808081.91        9.65034  (10102019)               464923.41
3808081.91        9.20004  (10102019)
        464943.41   3808081.91        8.76091  (10102019)               464963.41
3808081.91        8.33541  (10102019)
        464983.41   3808081.91        8.04871  (09010519)               465003.41
3808081.91        7.92579  (09010519)
        465023.41   3808081.91        7.79864  (09010519)               465043.41
3808081.91        7.67258  (09010519)
        465063.41   3808081.91        7.56067  (09010519)               465083.41
3808081.91        7.43974  (09010519)
        465103.41   3808081.91        7.31657  (09010519)               465123.41
3808081.91        7.20103  (09010519)
        465143.41   3808081.91        7.08760  (09010519)               465163.41
3808081.91        6.97608  (09010519)
        465183.41   3808081.91        6.86559  (09010519)               465203.41
3808081.91        6.75731  (09010519)
        465223.41   3808081.91        6.65103  (09010519)               465243.41
3808081.91        6.54587  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 540
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465263.41	3808081.91	6.44295	(09010519)	465283.41	3808081.91	6.34333	(09010519)
465303.41	3808081.91	6.25089	(09010519)	465323.41	3808081.91	6.15509	(09010519)
465343.41	3808081.91	6.05903	(09010519)	465363.41	3808081.91	5.96514	(09010519)
465383.41	3808081.91	5.87727	(09010519)	465403.41	3808081.91	5.79173	(09010519)
465423.41	3808081.91	5.70236	(09010519)	465443.41	3808081.91	5.61890	(09010519)
465463.41	3808081.91	5.54722	(09010519)	465483.41	3808081.91	5.46271	(09010519)
465503.41	3808081.91	5.38016	(09010519)	465523.41	3808081.91	5.29939	(09010519)
465543.41	3808081.91	5.21969	(09010519)	465563.41	3808081.91	5.14540	(09010519)
465583.41	3808081.91	5.07421	(09010519)	465603.41	3808081.91	5.00430	(09010519)
465623.41	3808081.91	4.93566	(09010519)	465643.41	3808081.91	4.86741	(09010519)
465663.41	3808081.91	4.79680	(09010519)	465683.41	3808081.91	4.73060	(09010519)
465703.41	3808081.91	4.66619	(09010519)	464843.41	3808101.91	10.67167	(10102019)
464863.41	3808101.91	10.16379	(10102019)	464883.41	3808101.91	9.68522	(10102019)
464903.41	3808101.91	9.22068	(10102019)	464923.41	3808101.91	8.88661	(09010519)
464943.41	3808101.91	8.74587	(09010519)	464963.41	3808101.91	8.59775	(09010519)
464983.41	3808101.91	8.44898	(09010519)	465003.41	3808101.91	8.31041	(09010519)
465023.41	3808101.91	8.16698	(09010519)	465043.41	3808101.91	8.02448	(09010519)
465063.41	3808101.91	7.89235	(09010519)	465083.41	3808101.91	7.75347	(09010519)
465103.41	3808101.91	7.61344	(09010519)	465123.41	3808101.91	7.47850	(09010519)
465143.41	3808101.91	7.35471	(09010519)	465163.41	3808101.91	7.23486	(09010519)
465183.41	3808101.91	7.10393	(09010519)	465203.41			

3808101.91 6.98410 (09010519)
  465223.41 3808101.91 6.86922 (09010519) 465243.41
3808101.91 6.74898 (09010519)
  465263.41 3808101.91 6.63923 (09010519) 465283.41
3808101.91 6.53524 (09010519)
  465303.41 3808101.91 6.43085 (09010519) 465323.41
3808101.91 6.32263 (09010519)
  465343.41 3808101.91 6.21562 (09010519) 465363.41
3808101.91 6.11774 (09010519)
  465383.41 3808101.91 6.02347 (09010519) 465403.41
3808101.91 5.93028 (09010519)
  465423.41 3808101.91 5.83052 (09010519) 465443.41
3808101.91 5.73959 (09010519)
  465463.41 3808101.91 5.66673 (09010519) 465483.41
3808101.91 5.57289 (09010519)
  465503.41 3808101.91 5.48594 (09010519) 465523.41
3808101.91 5.40184 (09010519)
  465543.41 3808101.91 5.31377 (09010519) 465563.41
3808101.91 5.23377 (09010519)
  465583.41 3808101.91 5.15820 (09010519) 465603.41
3808101.91 5.08411 (09010519)
  465623.41 3808101.91 5.01148 (09010519) 465643.41
3808101.91 4.93998 (09010519)
  465663.41 3808101.91 4.86830 (09010519) 465683.41
3808101.91 4.79936 (09010519)
  465703.41 3808101.91 4.73096 (09010519) 464863.41
3808121.91 9.80148 (09010519)
  464883.41 3808121.91 9.65558 (09010519) 464903.41
3808121.91 9.49600 (09010519)
  464923.41 3808121.91 9.33178 (09010519) 464943.41
3808121.91 9.16756 (09010519)
  464963.41 3808121.91 9.00404 (09010519) 464983.41
3808121.91 8.84074 (09010519)
  465003.41 3808121.91 8.66957 (09010519) 465023.41
3808121.91 8.51057 (09010519)
  465043.41 3808121.91 8.35689 (09010519) 465063.41
3808121.91 8.19564 (09010519)
  465083.41 3808121.91 8.03628 (09010519) 465103.41
3808121.91 7.88179 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012

, L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
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```
        464923.41   3808141.91        9.76913  (09010519)               464943.41
3808141.91        9.58030  (09010519)
        464963.41   3808141.91        9.39551  (09010519)               464983.41
3808141.91        9.21173  (09010519)
        465003.41   3808141.91        9.01665  (09010519)               465023.41
3808141.91        8.83882  (09010519)
        465043.41   3808141.91        8.66834  (09010519)               465063.41
3808141.91        8.48677  (09010519)
        465083.41   3808141.91        8.30942  (09010519)               465103.41
3808141.91        8.13969  (09010519)
        465123.41   3808141.91        7.98956  (09010519)               465143.41
3808141.91        7.83662  (09010519)
        465163.41   3808141.91        7.68491  (09010519)               465183.41
3808141.91        7.53760  (09010519)
        465203.41   3808141.91        7.38812  (09010519)               465223.41
3808141.91        7.24240  (09010519)
        465243.41   3808141.91        7.11440  (09010519)               465263.41
3808141.91        6.98361  (09010519)
        465283.41   3808141.91        6.85374  (09010519)               465303.41
3808141.91        6.72765  (09010519)
        465323.41   3808141.91        6.60430  (09010519)               465343.41
3808141.91        6.48408  (09010519)
        465363.41   3808141.91        6.36736  (09010519)               465383.41
3808141.91        6.25844  (09010519)
        465403.41   3808141.91        6.15301  (09010519)               465423.41
3808141.91        6.04406  (09010519)
        465443.41   3808141.91        5.94255  (09010519)               465463.41
3808141.91        5.84606  (09010519)
        465483.41   3808141.91        5.75159  (09010519)               465503.41
3808141.91        5.65522  (09010519)
        465523.41   3808141.91        5.55934  (09010519)               465543.41
3808141.91        5.46525  (09010519)
        465563.41   3808141.91        5.37770  (09010519)               465583.41
3808141.91        5.29408  (09010519)
        465603.41   3808141.91        5.21235  (09010519)               465623.41
3808141.91        5.13244  (09010519)
        465643.41   3808141.91        5.05337  (09010519)               465663.41
3808141.91        4.97210  (09010519)
        465683.41   3808141.91        4.89242  (09010519)               465703.41
3808141.91        4.81549  (09010519)
        464883.41   3808161.91       10.55935  (09010519)               464903.41
3808161.91       10.37437  (09010519)
        464923.41   3808161.91       10.17548  (09010519)               464943.41
3808161.91        9.96210  (09010519)
        464963.41   3808161.91        9.75430  (09010519)               464983.41
3808161.91        9.54935  (09010519)
        465003.41   3808161.91        9.33717  (09010519)               465023.41
3808161.91        9.13853  (09010519)
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Industrial Park\I15 Industrial ***        05/09/22
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                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
                                 INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3808161.91 5.71399 (09010519)
465523.41 3808161.91 5.61810 (09010519) 465543.41
3808161.91 5.51643 (09010519)
465563.41 3808161.91 5.42416 (09010519) 465583.41
3808161.91 5.33721 (09010519)
465603.41 3808161.91 5.25232 (09010519) 465623.41
3808161.91 5.16792 (09010519)
465643.41 3808161.91 5.08539 (09010519) 465663.41
3808161.91 5.00640 (09010519)
465683.41 3808161.91 4.92352 (09010519) 465703.41
3808161.91 4.84125 (09010519)
464903.41 3808181.91 10.74947 (09010519) 464923.41
3808181.91 10.52845 (09010519)
464943.41 3808181.91 10.29187 (09010519) 464963.41
3808181.91 10.06243 (09010519)
464983.41 3808181.91 9.83928 (09010519) 465003.41
3808181.91 9.62074 (09010519)
465023.41 3808181.91 9.39883 (09010519) 465043.41
3808181.91 9.17855 (09010519)
465063.41 3808181.91 8.96244 (09010519) 465083.41
3808181.91 8.76523 (09010519)
465103.41 3808181.91 8.57754 (09010519) 465123.41
3808181.91 8.38330 (09010519)
465143.41 3808181.91 8.20489 (09010519) 465163.41
3808181.91 8.03427 (09010519)
465183.41 3808181.91 7.85712 (09010519) 465203.41
3808181.91 7.69468 (09010519)
465223.41 3808181.91 7.53931 (09010519) 465243.41
3808181.91 7.37749 (09010519)
465263.41 3808181.91 7.22932 (09010519) 465283.41
3808181.91 7.08758 (09010519)
465303.41 3808181.91 6.93950 (09010519) 465323.41
3808181.91 6.80408 (09010519)
465343.41 3808181.91 6.67453 (09010519) 465363.41
3808181.91 6.53877 (09010519)
465383.41 3808181.91 6.41643 (09010519) 465403.41
3808181.91 6.30117 (09010519)
465423.41 3808181.91 6.18743 (09010519) 465443.41
3808181.91 6.07805 (09010519)
465463.41 3808181.91 5.97009 (09010519) 465483.41
3808181.91 5.85538 (09010519)
465503.41 3808181.91 5.75153 (09010519) 465523.41
3808181.91 5.65398 (09010519)
465543.41 3808181.91 5.55720 (09010519) 465563.41
3808181.91 5.46421 (09010519)
465583.41 3808181.91 5.37409 (09010519) 465603.41
3808181.91 5.28621 (09010519)
465623.41 3808181.91 5.19388 (09010519) 465643.41
3808181.91 5.10259 (09010519)
465663.41 3808181.91 5.02142 (09010519) 465683.41

3808181.91 4.94123 (09010519)
  465703.41 3808181.91 4.86113 (09010519) 464923.41
3808201.91 10.81476 (09010519)
  464943.41 3808201.91 10.57154 (09010519) 464963.41
3808201.91 10.32653 (09010519)
  464983.41 3808201.91 10.08514 (09010519) 465003.41
3808201.91 9.85181 (09010519)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465023.41	3808201.91	9.61131	(09010519)	465043.41	3808201.91	9.37362	(09010519)
465063.41	3808201.91	9.15404	(09010519)	465083.41	3808201.91	8.94093	(09010519)
465103.41	3808201.91	8.73470	(09010519)	465123.41	3808201.91	8.53664	(09010519)
465143.41	3808201.91	8.34423	(09010519)	465163.41	3808201.91	8.15817	(09010519)
465183.41	3808201.91	7.97878	(09010519)	465203.41	3808201.91	7.80462	(09010519)
465223.41	3808201.91	7.63605	(09010519)	465243.41	3808201.91	7.47342	(09010519)
465263.41	3808201.91	7.31538	(09010519)	465283.41	3808201.91	7.16228	(09010519)

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        465303.41   3808201.91        7.01447  (09010519)               465323.41
3808201.91        6.87068  (09010519)
        465343.41   3808201.91        6.73128  (09010519)               465363.41
3808201.91        6.59660  (09010519)
        465383.41   3808201.91        6.46545  (09010519)               465403.41
3808201.91        6.33940  (09010519)
        465423.41   3808201.91        6.22376  (09010519)               465443.41
3808201.91        6.11130  (09010519)
        465463.41   3808201.91        6.00084  (09010519)               465483.41
3808201.91        5.88774  (09010519)
        465503.41   3808201.91        5.78239  (09010519)               465523.41
3808201.91        5.68189  (09010519)
        465543.41   3808201.91        5.58404  (09010519)               465563.41
3808201.91        5.48428  (09010519)
        465583.41   3808201.91        5.38903  (10032206)               465603.41
3808201.91        5.30908  (10032206)
        465623.41   3808201.91        5.22718  (10032206)               465643.41
3808201.91        5.14658  (10032206)
        465663.41   3808201.91        5.07224  (10032206)               465683.41
3808201.91        4.99570  (10032206)
        465703.41   3808201.91        4.91937  (10032206)               464943.41
3808221.91       10.79856  (09010519)
        464963.41   3808221.91       10.54160  (09010519)               464983.41
3808221.91       10.28304  (09010519)
        465003.41   3808221.91       10.03385  (09010519)               465023.41
3808221.91        9.78068  (09010519)
        465043.41   3808221.91        9.53330  (09010519)               465063.41
3808221.91        9.30661  (09010519)
        465083.41   3808221.91        9.07543  (09010519)               465103.41
3808221.91        8.85081  (09010519)
        465123.41   3808221.91        8.65254  (09010519)               465143.41
3808221.91        8.44950  (09010519)
        465163.41   3808221.91        8.25038  (09010519)               465183.41
3808221.91        8.06837  (09010519)
        465203.41   3808221.91        7.88408  (09010519)               465223.41
3808221.91        7.70455  (09010519)
        465243.41   3808221.91        7.54063  (09010519)               465263.41
3808221.91        7.37417  (09010519)
        465283.41   3808221.91        7.21178  (09010519)               465303.41
3808221.91        7.06368  (09010519)
        465323.41   3808221.91        6.91284  (09010519)               465343.41
3808221.91        6.76551  (09010519)
        465363.41   3808221.91        6.63128  (09010519)               465383.41
3808221.91        6.49420  (09010519)
        465403.41   3808221.91        6.36717  (10032206)               465423.41
3808221.91        6.26083  (10032206)
        465443.41   3808221.91        6.15727  (10032206)               465463.41
3808221.91        6.05640  (10032206)
        465483.41   3808221.91        5.95811  (10032206)               465503.41
3808221.91        5.86048  (10032206)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                 L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                 L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                 L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465083.41   3808241.91   9.16019 (09010519)   465103.41   3808241.91   8.92546 (09010519)
        465123.41   3808241.91   8.71895 (09010519)   465143.41   3808241.91   8.51741 (09010519)
        465163.41   3808241.91   8.31981 (09010519)   465183.41

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3808241.91        8.11629  (09010519)
        465203.41   3808241.91        7.93039  (09010519)                465223.41
3808241.91        7.76181  (10032206)
        465243.41   3808241.91        7.59529  (10032206)                465263.41
3808241.91        7.44374  (10032206)
        465283.41   3808241.91        7.29921  (10032206)                465303.41
3808241.91        7.14780  (10032206)
        465323.41   3808241.91        7.01014  (10032206)                465343.41
3808241.91        6.87879  (10032206)
        465363.41   3808241.91        6.74069  (10032206)                465383.41
3808241.91        6.61527  (10032206)
        465403.41   3808241.91        6.49803  (10032206)                465423.41
3808241.91        6.38579  (10032206)
        465443.41   3808241.91        6.27662  (10032206)                465463.41
3808241.91        6.17042  (10032206)
        465483.41   3808241.91        6.06708  (10032206)                465503.41
3808241.91        5.95824  (10032206)
        465523.41   3808241.91        5.85076  (10032206)                465543.41
3808241.91        5.75596  (10032206)
        465563.41   3808241.91        5.66242  (10032206)                465583.41
3808241.91        5.57094  (10032206)
        465603.41   3808241.91        5.48332  (10032206)                465623.41
3808241.91        5.39077  (10032206)
        465643.41   3808241.91        5.29922  (10032206)                465663.41
3808241.91        5.21845  (10032206)
        465683.41   3808241.91        5.13862  (10032206)                465703.41
3808241.91        5.05873  (10032206)
        464983.41   3808261.91       10.47501  (09010519)                465003.41
3808261.91       10.21888  (09010519)
        465023.41   3808261.91        9.96207  (09010519)                465043.41
3808261.91        9.71271  (10032206)
        465063.41   3808261.91        9.48114  (10032206)                465083.41
3808261.91        9.25827  (10032206)
        465103.41   3808261.91        9.04329  (10032206)                465123.41
3808261.91        8.83473  (10032206)
        465143.41   3808261.91        8.64253  (10032206)                465163.41
3808261.91        8.45871  (10032206)
        465183.41   3808261.91        8.27297  (10032206)                465203.41
3808261.91        8.09271  (10032206)
        465223.41   3808261.91        7.91866  (10032206)                465243.41
3808261.91        7.75113  (10032206)
        465263.41   3808261.91        7.59579  (10032206)                465283.41
3808261.91        7.44516  (10032206)
        465303.41   3808261.91        7.28352  (10032206)                465323.41
3808261.91        7.13299  (10032206)
        465343.41   3808261.91        6.99062  (10032206)                465363.41
3808261.91        6.85329  (10032206)
        465383.41   3808261.91        6.71972  (10032206)                465403.41
3808261.91        6.59158  (10032206)
        465423.41   3808261.91        6.47461  (10032206)                465443.41
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3808261.91        6.36097  (10032206)
        465463.41   3808261.91        6.25078  (10032206)                465483.41
3808261.91        6.14342  (10032206)
        465503.41   3808261.91        6.03422  (10032206)                465523.41
3808261.91        5.92727  (10032206)
        465543.41   3808261.91        5.82882  (10032206)                465563.41
3808261.91        5.72813  (10032206)
        465583.41   3808261.91        5.62944  (10032206)                465603.41
3808261.91        5.53892  (10032206)
        465623.41   3808261.91        5.44661  (10032206)                465643.41
3808261.91        5.35492  (10032206)
        465663.41   3808261.91        5.26514  (10032206)                465683.41
3808261.91        5.18205  (10032206)
        465703.41   3808261.91        5.10195  (10032206)                465003.41
3808281.91       10.37449  (10032206)
        465023.41   3808281.91       10.13734  (10032206)                465043.41
3808281.91        9.90099  (10032206)
        465063.41   3808281.91        9.66412  (10032206)                465083.41
3808281.91        9.44327  (10032206)
        465103.41   3808281.91        9.22972  (10032206)                465123.41
3808281.91        9.00336  (10032206)
        465143.41   3808281.91        8.79854  (10032206)                465163.41
3808281.91        8.60688  (10032206)
        465183.41   3808281.91        8.41823  (10032206)                465203.41
3808281.91        8.22701  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 545
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1O  ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465223.41	3808281.91	8.04165	(10032206)	465243.41	3808281.91	7.87684	(10032206)
465263.41	3808281.91	7.71475	(10032206)	465283.41	3808281.91	7.55425	(10032206)
465303.41	3808281.91	7.38607	(10032206)	465323.41	3808281.91	7.22608	(10032206)
465343.41	3808281.91	7.07483	(10032206)	465363.41	3808281.91	6.93773	(10032206)
465383.41	3808281.91	6.79739	(10032206)	465403.41	3808281.91	6.66021	(10032206)
465423.41	3808281.91	6.53597	(10032206)	465443.41	3808281.91	6.41752	(10032206)
465463.41	3808281.91	6.30858	(10032206)	465483.41	3808281.91	6.19793	(10032206)
465503.41	3808281.91	6.09042	(10032206)	465523.41	3808281.91	5.98551	(10032206)
465543.41	3808281.91	5.88121	(10032206)	465563.41	3808281.91	5.77407	(10032206)
465583.41	3808281.91	5.66940	(10032206)	465603.41	3808281.91	5.57654	(10032206)
465623.41	3808281.91	5.48441	(10032206)	465643.41	3808281.91	5.39269	(10032206)
465663.41	3808281.91	5.29714	(10032206)	465683.41	3808281.91	5.20935	(10032206)
465703.41	3808281.91	5.12678	(10032206)	465003.41	3808301.91	10.51839	(10032206)
465023.41	3808301.91	10.27982	(10032206)	465043.41	3808301.91	10.04729	(10032206)
465063.41	3808301.91	9.77950	(10032206)	465083.41	3808301.91	9.55737	(10032206)
465103.41	3808301.91	9.35380	(10032206)	465123.41	3808301.91	9.13541	(10032206)
465143.41	3808301.91	8.92757	(10032206)	465163.41	3808301.91	8.72490	(10032206)
465183.41	3808301.91	8.51293	(10032206)	465203.41	3808301.91	8.32034	(10032206)
465223.41	3808301.91	8.14081	(10032206)	465243.41	3808301.91	7.96983	(10032206)
465263.41	3808301.91	7.79264	(10032206)	465283.41	3808301.91	7.61560	(10032206)
465303.41	3808301.91	7.44229	(10032206)	465323.41	3808301.91	7.28664	(10032206)
465343.41	3808301.91	7.13945	(10032206)	465363.41	3808301.91	6.98550	(10032206)
465383.41	3808301.91	6.84591	(10032206)	465403.41	3808301.91	6.71301	(10032206)

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        465423.41   3808301.91        6.57347  (10032206)                465443.41
3808301.91        6.44886  (10032206)
        465463.41   3808301.91        6.35380  (10032206)                465483.41
3808301.91        6.24027  (10032206)
        465503.41   3808301.91        6.13004  (10032206)                465523.41
3808301.91        6.02081  (10032206)
        465543.41   3808301.91        5.90464  (10032206)                465563.41
3808301.91        5.79876  (10032206)
        465583.41   3808301.91        5.69948  (10032206)                465603.41
3808301.91        5.60459  (10032206)
        465623.41   3808301.91        5.50467  (10032206)                465643.41
3808301.91        5.40585  (10032206)
        465663.41   3808301.91        5.31704  (10032206)                465683.41
3808301.91        5.22469  (10032206)
        465703.41   3808301.91        5.13398  (10032206)                465043.41
3808321.91       10.11565  (10032206)
        465063.41   3808321.91        9.86998  (10032206)                465083.41
3808321.91        9.64169  (10032206)
        465103.41   3808321.91        9.42347  (10032206)                465123.41
3808321.91        9.20256  (10032206)
        465143.41   3808321.91        8.99011  (10032206)                465163.41
3808321.91        8.78344  (10032206)
        465183.41   3808321.91        8.57558  (10032206)                465203.41
3808321.91        8.38304  (10032206)
        465223.41   3808321.91        8.19893  (10032206)                465243.41
3808321.91        8.01170  (10032206)
        465263.41   3808321.91        7.82493  (10032206)                465283.41
3808321.91        7.64365  (10032206)
        465303.41   3808321.91        7.47762  (10032206)                465323.41
3808321.91        7.31682  (10032206)
        465343.41   3808321.91        7.16161  (10032206)                465363.41
3808321.91        7.01230  (10032206)
        465383.41   3808321.91        6.86747  (10032206)                465403.41
3808321.91        6.72747  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 546
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1O  ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
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L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465423.41	3808321.91	6.59263	(10032206)	465443.41	3808321.91	6.46794	(10032206)
465463.41	3808321.91	6.36167	(10032206)	465483.41	3808321.91	6.24653	(10032206)
465503.41	3808321.91	6.13481	(10032206)	465523.41	3808321.91	6.02502	(10032206)
465543.41	3808321.91	5.91278	(10032206)	465563.41	3808321.91	5.80864	(10032206)
465583.41	3808321.91	5.70835	(10032206)	465603.41	3808321.91	5.60503	(10032206)
465623.41	3808321.91	5.50514	(10032206)	465643.41	3808321.91	5.40831	(10032206)
465663.41	3808321.91	5.31367	(10032206)	465683.41	3808321.91	5.22207	(10032206)
465703.41	3808321.91	5.13321	(10032206)	465083.41	3808341.91	9.67225	(10032206)
465103.41	3808341.91	9.43936	(10032206)	465123.41	3808341.91	9.22069	(10032206)
465143.41	3808341.91	9.00626	(10032206)	465163.41	3808341.91	8.79848	(10032206)
465183.41	3808341.91	8.59858	(10032206)	465203.41	3808341.91	8.40300	(10032206)
465223.41	3808341.91	8.21102	(10032206)	465243.41	3808341.91	8.01529	(10032206)
465263.41	3808341.91	7.82359	(10032206)	465283.41	3808341.91	7.64092	(10032206)
465303.41	3808341.91	7.47889	(10032206)	465323.41	3808341.91	7.31117	(10032206)
465343.41	3808341.91	7.14789	(10032206)	465363.41	3808341.91	7.00662	(10032206)
465383.41	3808341.91	6.85970	(10032206)	465403.41	3808341.91	6.71497	(10032206)
465423.41	3808341.91	6.58415	(10032206)	465443.41	3808341.91	6.45964	(10032206)
465463.41	3808341.91	6.34536	(10032206)	465483.41	3808341.91	6.22947	(10032206)
465503.41	3808341.91	6.11706	(10032206)	465523.41			

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3808341.91        6.00754  (10032206)
        465543.41   3808341.91        5.89883  (10032206)                465563.41
3808341.91        5.79529  (10032206)
        465583.41   3808341.91        5.69350  (10032206)                465603.41
3808341.91        5.58566  (10032206)
        465623.41   3808341.91        5.48669  (10032206)                465643.41
3808341.91        5.39177  (10032206)
        465663.41   3808341.91        5.29297  (10032206)                465683.41
3808341.91        5.20236  (10032206)
        465703.41   3808341.91        5.11539  (10032206)                465103.41
3808361.91        9.40351  (10032206)
        465123.41   3808361.91        9.20245  (10032206)                465143.41
3808361.91        8.99211  (10032206)
        465163.41   3808361.91        8.78236  (10032206)                465183.41
3808361.91        8.58068  (10032206)
        465203.41   3808361.91        8.37293  (10032206)                465223.41
3808361.91        8.16982  (10032206)
        465243.41   3808361.91        7.98813  (10032206)                465263.41
3808361.91        7.80037  (10032206)
        465283.41   3808361.91        7.61413  (10032206)                465303.41
3808361.91        7.43698  (10032206)
        465323.41   3808361.91        7.26471  (10032206)                465343.41
3808361.91        7.10112  (10032206)
        465363.41   3808361.91        6.95997  (10032206)                465383.41
3808361.91        6.82142  (10032206)
        465403.41   3808361.91        6.68464  (10032206)                465423.41
3808361.91        6.54115  (10032206)
        465443.41   3808361.91        6.41328  (10032206)                465463.41
3808361.91        6.31617  (10032206)
        465483.41   3808361.91        6.20001  (10032206)                465503.41
3808361.91        6.08739  (10032206)
        465523.41   3808361.91        5.97587  (10032206)                465543.41
3808361.91        5.85726  (10032206)
        465563.41   3808361.91        5.75070  (10032206)                465583.41
3808361.91        5.65117  (10032206)
        465603.41   3808361.91        5.55263  (10032206)                465623.41
3808361.91        5.45049  (10032206)
        465643.41   3808361.91        5.35017  (10032206)                465663.41
3808361.91        5.26021  (10032206)
        465683.41   3808361.91        5.16667  (10032206)                465703.41
3808361.91        5.07467  (10032206)
        465183.41   3808381.91        8.48319  (10032206)                465203.41
3808381.91        8.27933  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 547
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***

INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 , L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 , L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 , L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465223.41	3808381.91	8.08348	(10032206)	465243.41	3808381.91	7.89383	(10032206)
465263.41	3808381.91	7.70461	(10032206)	465283.41	3808381.91	7.52086	(10032206)
465303.41	3808381.91	7.35385	(10032206)	465323.41	3808381.91	7.18524	(10032206)
465343.41	3808381.91	7.02275	(10032206)	465363.41	3808381.91	6.88294	(10032206)
465383.41	3808381.91	6.74775	(10032206)	465403.41	3808381.91	6.61554	(10032206)
465423.41	3808381.91	6.48021	(10032206)	465443.41	3808381.91	6.35531	(10032206)
465463.41	3808381.91	6.24929	(10032206)	465483.41	3808381.91	6.13420	(10032206)
465503.41	3808381.91	6.02264	(10032206)	465523.41	3808381.91	5.91305	(10032206)
465543.41	3808381.91	5.80096	(10032206)	465563.41	3808381.91	5.69190	(10032206)
465583.41	3808381.91	5.58748	(10032206)	465603.41	3808381.91	5.49205	(10032206)
465623.41	3808381.91	5.39488	(10032206)	465643.41	3808381.91	5.29855	(10032206)
465663.41	3808381.91	5.20444	(10032206)	465683.41	3808381.91	5.11343	(10032206)
465703.41	3808381.91	5.02521	(10032206)	465303.41	3808401.91	7.23022	(10032206)
465323.41	3808401.91	7.07055	(10032206)	465343.41	3808401.91	6.91410	(10032206)

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        465363.41   3808401.91        6.77684  (10032206)               465383.41
3808401.91        6.64410  (10032206)
        465403.41   3808401.91        6.51568  (10032206)               465423.41
3808401.91        6.39138  (10032206)
        465443.41   3808401.91        6.27101  (10032206)               465463.41
3808401.91        6.15467  (10032206)
        465483.41   3808401.91        6.04167  (10032206)               465503.41
3808401.91        5.93211  (10032206)
        465523.41   3808401.91        5.82585  (10032206)               465543.41
3808401.91        5.72275  (10032206)
        465563.41   3808401.91        5.61460  (10032206)               465583.41
3808401.91        5.50826  (10032206)
        465603.41   3808401.91        5.41443  (10032206)               465623.41
3808401.91        5.32143  (10032206)
        465643.41   3808401.91        5.22890  (10032206)               465663.41
3808401.91        5.13243  (10032206)
        465683.41   3808401.91        5.04413  (10032206)               465703.41
3808401.91        4.95946  (10032206)
        465323.41   3808421.91        6.91752  (10032206)               465343.41
3808421.91        6.77700  (10032206)
        465363.41   3808421.91        6.64339  (10032206)               465383.41
3808421.91        6.51417  (10032206)
        465403.41   3808421.91        6.38912  (10032206)               465423.41
3808421.91        6.26807  (10032206)
        465443.41   3808421.91        6.15084  (10032206)               465463.41
3808421.91        6.03725  (10032206)
        465483.41   3808421.91        5.92714  (10032206)               465503.41
3808421.91        5.82038  (10032206)
        465523.41   3808421.91        5.71682  (10032206)               465543.41
3808421.91        5.61632  (10032206)
        465563.41   3808421.91        5.51745  (10032206)               465583.41
3808421.91        5.42105  (10032206)
        465603.41   3808421.91        5.32911  (10032206)               465623.41
3808421.91        5.23193  (10032206)
        465643.41   3808421.91        5.13584  (10032206)               465663.41
3808421.91        5.04996  (10032206)
        465683.41   3808421.91        4.96042  (10032206)               465703.41
3808421.91        4.87232  (10032206)
        465323.41   3808441.91        6.80277  (09031319)               465343.41
3808441.91        6.65168  (09031319)
        465363.41   3808441.91        6.51459  (09031319)               465383.41
3808441.91        6.37487  (09031319)
        465403.41   3808441.91        6.25342  (10032206)               465423.41
3808441.91        6.13600  (10032206)
        465443.41   3808441.91        6.02225  (10032206)               465463.41
3808441.91        5.91202  (10032206)
        465483.41   3808441.91        5.80514  (10032206)               465503.41
3808441.91        5.70148  (10032206)
        465523.41   3808441.91        5.60090  (10032206)               465543.41
3808441.91        5.50327  (10032206)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012
, L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020
, L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028
, L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465603.41	3808441.91	5.22694	(10032206)	465623.41	3808441.91	5.13111	(10032206)
465643.41	3808441.91	5.03497	(10032206)	465663.41	3808441.91	4.94666	(10032206)
465683.41	3808441.91	4.86125	(10032206)	465703.41	3808441.91	4.77954	(10032206)
465343.41	3808461.91	6.90667	(09031319)	465363.41	3808461.91	6.77163	(09031319)
465383.41	3808461.91	6.63156	(09031319)	465403.41	3808461.91	6.49132	(09031319)
465423.41	3808461.91	6.35239	(09031319)	465443.41	3808461.91	6.21796	(09031319)
465463.41	3808461.91	6.08809	(09031319)	465483.41	3808461.91	5.96206	(09031319)
465503.41	3808461.91	5.84219	(09031319)	465523.41	3808461.91	5.72617	(09031319)
465543.41	3808461.91	5.61133	(09031319)	465563.41	3808461.91	5.49997	(09031319)
465583.41	3808461.91	5.39194	(09031319)	465603.41			

3808461.91 5.28712 (09031319)
465623.41 3808461.91 5.17635 (09031319) 465643.41
3808461.91 5.06465 (09031319)
465663.41 3808461.91 4.95638 (09031319) 465683.41
3808461.91 4.86025 (09031319)
465703.41 3808461.91 4.77046 (09031319) 465343.41
3808481.91 7.12271 (09031319)
465363.41 3808481.91 6.97037 (09031319) 465383.41
3808481.91 6.83370 (09031319)
465403.41 3808481.91 6.70262 (09031319) 465423.41
3808481.91 6.56068 (09031319)
465443.41 3808481.91 6.42324 (09031319) 465463.41
3808481.91 6.29012 (09031319)
465483.41 3808481.91 6.16114 (09031319) 465503.41
3808481.91 6.04618 (09031319)
465523.41 3808481.91 5.93619 (09031319) 465543.41
3808481.91 5.81789 (09031319)
465563.41 3808481.91 5.70313 (09031319) 465583.41
3808481.91 5.59176 (09031319)
465603.41 3808481.91 5.48365 (09031319) 465623.41
3808481.91 5.36934 (09031319)
465643.41 3808481.91 5.25401 (09031319) 465663.41
3808481.91 5.14218 (09031319)
465683.41 3808481.91 5.04289 (09031319) 465703.41
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465503.41 3808501.91 6.21694 (09031319) 465523.41
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465583.41 3808501.91 5.76810 (09031319) 465603.41
3808501.91 5.64997 (09031319)
465623.41 3808501.91 5.53584 (09031319) 465643.41
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465663.41 3808501.91 5.30954 (09031319) 465683.41
3808501.91 5.20787 (09031319)
465703.41 3808501.91 5.11087 (09031319) 465523.41
3808521.91 6.24614 (09031319)
465543.41 3808521.91 6.12541 (09031319) 465563.41
3808521.91 6.01922 (09031319)
465583.41 3808521.91 5.91547 (09031319) 465603.41
3808521.91 5.79162 (09031319)
465623.41 3808521.91 5.67777 (09031319) 465643.41
3808521.91 5.56853 (09031319)
465663.41 3808521.91 5.45513 (09031319) 465683.41
3808521.91 5.35091 (09031319)
465703.41 3808521.91 5.25085 (09031319) 464239.31
3809562.31 9.07607 (10010907)
464277.31 3809562.31 9.08633 (10010907) 463745.31

3809591.37   8.24861 (10011006)
        463783.31   3809591.37   8.01998 (10011006)   463821.31
3809591.37   8.01350 (09040203)
        463859.31   3809591.37   8.45420 (09011307)   463897.31
3809591.37   8.99992 (09011307)
        463935.31   3809591.37   9.30235 (09011307)   464239.31
3809591.37   8.77277 (10010907)
        464277.31   3809591.37   8.81209 (10010907)   463745.31
3809620.43   7.89341 (10011006)
        463783.31   3809620.43   7.71838 (09040203)   463821.31
3809620.43   7.72219 (09040203)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                 L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                 L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                 L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        463859.31   3809620.43   8.18124 (09011307)   463897.31
3809620.43   8.67473 (09011307)
        463935.31   3809620.43   8.97188 (09011307)   463973.31
3809620.43   8.97395 (09011307)
        464011.31   3809620.43   8.88075 (09031206)   464049.31
3809620.43   9.07219 (09011120)
        464087.31   3809620.43   9.15506 (09011120)   464125.31
3809620.43   9.03620 (09011120)
        464163.31   3809620.43   8.69490 (09011120)   464201.31
3809620.43   8.17491 (10010907)

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        464239.31   3809620.43        8.46800  (10010907)              464277.31
3809620.43        8.54121  (10010907)
        463745.31   3809649.49        7.54707  (10011006)              463783.31
3809649.49        7.45731  (09040203)
        463821.31   3809649.49        7.42515  (09040203)              463859.31
3809649.49        7.92373  (09011307)
        463897.31   3809649.49        8.36557  (09011307)              463935.31
3809649.49        8.63282  (09011307)
        463973.31   3809649.49        8.60040  (09011307)              464011.31
3809649.49        8.55060  (09031206)
        464049.31   3809649.49        8.76983  (09011120)              464087.31
3809649.49        8.85772  (09011120)
        464125.31   3809649.49        8.77655  (09011120)              464163.31
3809649.49        8.45257  (09011120)
        464201.31   3809649.49        7.95398  (09011120)              464239.31
3809649.49        8.18678  (10010907)
        464277.31   3809649.49        8.28317  (10010907)              464315.31
3809649.49        8.18540  (10010907)
        464353.31   3809649.49        8.00519  (10022820)              464391.31
3809649.49        8.32411  (10022820)
        464429.31   3809649.49        8.45214  (10022820)              464467.31
3809649.49        8.40737  (10022820)
        464505.31   3809649.49        8.17907  (10022820)              463745.31
3809678.55        7.19706  (10011006)
        463783.31   3809678.55        7.16103  (09040203)              463821.31
3809678.55        7.16173  (09011307)
        463859.31   3809678.55        7.66603  (09011307)              463897.31
3809678.55        8.07189  (09011307)
        463935.31   3809678.55        8.32055  (09011307)              463973.31
3809678.55        8.30063  (09011307)
        464011.31   3809678.55        8.24113  (09031206)              464049.31
3809678.55        8.48263  (09011120)
        464087.31   3809678.55        8.61040  (09011120)              464125.31
3809678.55        8.52799  (09011120)
        464163.31   3809678.55        8.23548  (09011120)              464201.31
3809678.55        7.78272  (09011120)
        464239.31   3809678.55        7.90670  (10010907)              464277.31
3809678.55        8.02915  (10010907)
        464315.31   3809678.55        7.97598  (10010907)              464353.31
3809678.55        7.76707  (10010907)
        464391.31   3809678.55        8.02377  (10022820)              464429.31
3809678.55        8.18462  (10022820)
        464467.31   3809678.55        8.19671  (10022820)              464505.31
3809678.55        8.00451  (10022820)
        463745.31   3809707.61        6.88780  (10011006)              463783.31
3809707.61        6.88456  (09040203)
        463821.31   3809707.61        6.93486  (09011307)              463859.31
3809707.61        7.43685  (09011307)
        463897.31   3809707.61        7.79617  (09011307)              463935.31
3809707.61        8.02161  (09011307)
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3809736.67        7.74276  (09011307)
        464011.31   3809736.67        7.75314  (09031206)                464049.31
3809736.67        7.95320  (09011120)
        464087.31   3809736.67        8.12298  (09011120)                464125.31
3809736.67        8.08003  (09011120)
        464163.31   3809736.67        7.85457  (09011120)                464201.31
3809736.67        7.41976  (09011120)
        464239.31   3809736.67        7.40807  (10010907)                464277.31
3809736.67        7.56621  (10010907)
        464315.31   3809736.67        7.56874  (10010907)                464353.31
3809736.67        7.41684  (10010907)
        464391.31   3809736.67        7.42675  (10022820)                464429.31
3809736.67        7.65020  (10022820)
        464467.31   3809736.67        7.74335  (10022820)                464505.31
3809736.67        7.67973  (10022820)
        463745.31   3809765.73        6.40840  (09040203)                463783.31
3809765.73        6.40848  (09040203)
        463821.31   3809765.73        6.50897  (09011307)                463859.31
3809765.73        6.94240  (09011307)
        463897.31   3809765.73        7.27766  (09011307)                463935.31
3809765.73        7.42251  (09011307)
        463973.31   3809765.73        7.41545  (09011307)                464011.31
3809765.73        7.50586  (09031206)
        464049.31   3809765.73        7.73543  (09011120)                464087.31
3809765.73        7.89593  (09011120)
        464125.31   3809765.73        7.88341  (09011120)                464163.31
3809765.73        7.67564  (09011120)
        464201.31   3809765.73        7.26723  (09011120)                464239.31
3809765.73        7.18171  (10010907)
        464277.31   3809765.73        7.35625  (10010907)                464315.31
3809765.73        7.37362  (10010907)
        464353.31   3809765.73        7.26131  (10010907)                464391.31
3809765.73        7.13925  (10022820)
        464429.31   3809765.73        7.40440  (10022820)                464467.31
3809765.73        7.53652  (10022820)
        464505.31   3809765.73        7.49122  (10022820)                463745.31
3809794.79        6.23056  (09040203)
        463783.31   3809794.79        6.18886  (09040203)                463821.31
3809794.79        6.33124  (09011307)
        463859.31   3809794.79        6.71488  (09011307)                463897.31
3809794.79        7.01564  (09011307)
        463935.31   3809794.79        7.14382  (09011307)                463973.31
3809794.79        7.12742  (09011307)
        464011.31   3809794.79        7.21297  (09031206)                464049.31
3809794.79        7.51232  (09011120)
        464087.31   3809794.79        7.68272  (09011120)                464125.31
3809794.79        7.66900  (09011120)
        464163.31   3809794.79        7.47837  (09011120)                464201.31
3809794.79        7.11830  (09011120)
        464239.31   3809794.79        6.94763  (10010907)                464277.31
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3809794.79        7.13870  (10010907)
        464315.31   3809794.79        7.18884  (10010907)                464353.31
3809794.79        7.08710  (10010907)
        464391.31   3809794.79        6.87237  (10022820)                464429.31
3809794.79        7.16633  (10022820)
        464467.31   3809794.79        7.30681  (10022820)                464505.31
3809794.79        7.31238  (10022820)
        463745.31   3809823.85        6.05979  (09040203)                463783.31
3809823.85        5.98275  (09040203)
        463821.31   3809823.85        6.13665  (09011307)                463859.31
3809823.85        6.49792  (09011307)
        463897.31   3809823.85        6.75796  (09011307)                463935.31
3809823.85        6.87153  (09011307)
        463973.31   3809823.85        6.85974  (09011307)                464011.31
3809823.85        6.92631  (09031206)
        464049.31   3809823.85        7.21758  (09011120)                464087.31
3809823.85        7.45595  (09011120)
        464125.31   3809823.85        7.47398  (09011120)                464163.31
3809823.85        7.29897  (09011120)
        464201.31   3809823.85        6.95401  (09011120)                464239.31
3809823.85        6.72850  (10010907)
        464277.31   3809823.85        6.93314  (10010907)                464315.31
3809823.85        6.99125  (10010907)
        464353.31   3809823.85        6.92542  (10010907)                464391.31
3809823.85        6.73421  (10010907)
        464429.31   3809823.85        6.91012  (10022820)                464467.31
3809823.85        7.08579  (10022820)
        464505.31   3809823.85        7.11894  (10022820)                463745.31
3809852.91        5.90763  (09040203)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 551
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
463783.31	3809852.91	5.81306	(09040203)	463821.31	3809852.91	5.97794	(09011307)
463859.31	3809852.91	6.30235	(09011307)	463897.31	3809852.91	6.51745	(09011307)
463935.31	3809852.91	6.61717	(09011307)	463973.31	3809852.91	6.60550	(09011307)
464011.31	3809852.91	6.66214	(09031206)	464049.31	3809852.91	6.91932	(09011120)
464087.31	3809852.91	7.16752	(09011120)	464125.31	3809852.91	7.22660	(09011120)
464163.31	3809852.91	7.07750	(09011120)	464201.31	3809852.91	6.76239	(09011120)
464239.31	3809852.91	6.48863	(10010907)	464277.31	3809852.91	6.71402	(10010907)
464315.31	3809852.91	6.80346	(10010907)	464353.31	3809852.91	6.75768	(10010907)
464391.31	3809852.91	6.59884	(10010907)	464429.31	3809852.91	6.66711	(10022820)
464467.31	3809852.91	6.86081	(10022820)	464505.31	3809852.91	6.93185	(10022820)
463745.31	3809881.97	5.76892	(09040203)	463783.31	3809881.97	5.64760	(09040203)
463821.31	3809881.97	5.85269	(09011307)	463859.31	3809881.97	6.13174	(09011307)
463897.31	3809881.97	6.30662	(09011307)	463935.31	3809881.97	6.37813	(09011307)
463973.31	3809881.97	6.37245	(09011307)	464011.31	3809881.97	6.43194	(09031206)
464049.31	3809881.97	6.65331	(09011120)	464087.31	3809881.97	6.87736	(09011120)
464125.31	3809881.97	6.94857	(09011120)	464163.31	3809881.97	6.82262	(09011120)
464201.31	3809881.97	6.56397	(09011120)	464239.31	3809881.97	6.23317	(10010907)
464277.31	3809881.97	6.48360	(10010907)	464315.31	3809881.97	6.61483	(10010907)
464353.31	3809881.97	6.59766	(10010907)	464391.31	3809881.97	6.47161	(10010907)
464429.31	3809881.97	6.43195	(10022820)	464467.31	3809881.97	6.64315	(10022820)
464505.31	3809881.97	6.75485	(10022820)	463745.31	3809911.03	5.62171	(09040203)

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        463783.31   3809911.03        5.47799  (09040203)               463821.31
3809911.03        5.73606  (09011307)
        463859.31   3809911.03        5.98131  (09011307)               463897.31
3809911.03        6.13307  (09011307)
        463935.31   3809911.03        6.17852  (09011307)               463973.31
3809911.03        6.15309  (09011307)
        464011.31   3809911.03        6.21263  (09031206)               464049.31
3809911.03        6.41933  (09011120)
        464087.31   3809911.03        6.63243  (09011120)               464125.31
3809911.03        6.70153  (09011120)
        464163.31   3809911.03        6.61045  (09011120)               464201.31
3809911.03        6.39075  (09011120)
        464239.31   3809911.03        6.05678  (09102505)               464277.31
3809911.03        6.27593  (10010907)
        464315.31   3809911.03        6.41953  (10010907)               464353.31
3809911.03        6.43820  (10010907)
        464391.31   3809911.03        6.33751  (10010907)               464429.31
3809911.03        6.19833  (10022820)
        464467.31   3809911.03        6.44187  (10022820)               464505.31
3809911.03        6.56360  (10022820)
        463745.31   3809940.09        5.47039  (09040203)               463783.31
3809940.09        5.31459  (09040203)
        463821.31   3809940.09        5.61809  (09011307)               463859.31
3809940.09        5.84002  (09011307)
        463897.31   3809940.09        5.97972  (09011307)               463935.31
3809940.09        6.01522  (09011307)
        463973.31   3809940.09        5.96703  (09011307)               464011.31
3809940.09        6.00044  (09031206)
        464049.31   3809940.09        6.18361  (09011120)               464087.31
3809940.09        6.38883  (09011120)
        464125.31   3809940.09        6.46746  (09011120)               464163.31
3809940.09        6.42033  (09011120)
        464201.31   3809940.09        6.23976  (09011120)               464239.31
3809940.09        5.93447  (09102505)
        464277.31   3809940.09        6.08171  (10010907)               464315.31
3809940.09        6.24275  (10010907)
        464353.31   3809940.09        6.28181  (10010907)               464391.31
3809940.09        6.20453  (10010907)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 552
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1O  ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
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                L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464429.31   3809940.09        6.01797  (10010907)               464467.31
3809940.09        6.23109  (10022820)
        464505.31   3809940.09        6.37627  (10022820)               463745.31
3809969.15        5.36683  (09040203)
        463783.31   3809969.15        5.21932  (09011307)               463821.31
3809969.15        5.50014  (09011307)
        463859.31   3809969.15        5.70794  (09011307)               463897.31
3809969.15        5.83234  (09011307)
        463935.31   3809969.15        5.86087  (09011307)               463973.31
3809969.15        5.80438  (09011307)
        464011.31   3809969.15        5.82190  (09031206)               464049.31
3809969.15        5.95956  (09011120)
        464087.31   3809969.15        6.16054  (09011120)               464125.31
3809969.15        6.25896  (09011120)
        464163.31   3809969.15        6.22869  (09011120)               464201.31
3809969.15        6.08119  (09011120)
        464239.31   3809969.15        5.81657  (09102505)               464277.31
3809969.15        5.90111  (10010907)
        464315.31   3809969.15        6.07427  (10010907)               464353.31
3809969.15        6.14357  (10010907)
        464391.31   3809969.15        6.08767  (10010907)               464429.31
3809969.15        5.91791  (10010907)
        464467.31   3809969.15        6.02176  (10022820)               464505.31
3809969.15        6.20042  (10022820)
        463745.31   3809998.21        5.31519  (09040203)               463783.31
3809998.21        5.16891  (09011307)
        463821.31   3809998.21        5.40924  (09011307)               463859.31
3809998.21        5.59160  (09011307)
        463897.31   3809998.21        5.70097  (09011307)               463935.31
3809998.21        5.71278  (09011307)
        463973.31   3809998.21        5.64731  (09011307)               464011.31
3809998.21        5.67080  (09031206)
        464049.31   3809998.21        5.78877  (09011120)               464087.31
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3809998.21        5.97211  (09011120)
        464125.31   3809998.21        6.07852  (09011120)                464163.31
3809998.21        6.06012  (09011120)
        464201.31   3809998.21        5.92421  (09011120)                464239.31
3809998.21        5.68082  (09102505)
        464277.31   3809998.21        5.73168  (10010907)                464315.31
3809998.21        5.91018  (10010907)
        464353.31   3809998.21        5.99561  (10010907)                464391.31
3809998.21        5.95960  (10010907)
        464429.31   3809998.21        5.81087  (10010907)                464467.31
3809998.21        5.83046  (10022820)
        464505.31   3809998.21        6.01539  (10022820)                463745.31
3810027.27        5.26604  (09040203)
        463783.31   3810027.27        5.14336  (09011307)                463821.31
3810027.27        5.34387  (09011307)
        463859.31   3810027.27        5.49676  (09011307)                463897.31
3810027.27        5.58879  (09011307)
        463935.31   3810027.27        5.57816  (09011307)                463973.31
3810027.27        5.50734  (09011307)
        464011.31   3810027.27        5.53281  (09031206)                464049.31
3810027.27        5.63973  (09011120)
        464087.31   3810027.27        5.80095  (09011120)                464125.31
3810027.27        5.89293  (09011120)
        464163.31   3810027.27        5.89633  (09011120)                464201.31
3810027.27        5.77798  (09011120)
        464239.31   3810027.27        5.54006  (09102505)                464277.31
3810027.27        5.54784  (10010907)
        464315.31   3810027.27        5.75154  (10010907)                464353.31
3810027.27        5.84569  (10010907)
        464391.31   3810027.27        5.82804  (10010907)                464429.31
3810027.27        5.71201  (10010907)
        464467.31   3810027.27        5.63497  (10022820)                464505.31
3810027.27        5.82910  (10022820)
        463745.31   3810056.33        5.22283  (09040203)                463783.31
3810056.33        5.12344  (09011307)
        463821.31   3810056.33        5.28221  (09011307)                463859.31
3810056.33        5.41393  (09011307)
        463897.31   3810056.33        5.48092  (09011307)                463935.31
3810056.33        5.46162  (09011307)
        463973.31   3810056.33        5.37999  (09011307)                464011.31
3810056.33        5.40196  (09031206)
        464049.31   3810056.33        5.48841  (09011120)                464087.31
3810056.33        5.64468  (09011120)
        464125.31   3810056.33        5.71794  (09011120)                464163.31
3810056.33        5.72559  (09011120)
        464201.31   3810056.33        5.62206  (09011120)                464239.31
3810056.33        5.41092  (09102505)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 , L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 , L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 , L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464277.31	3810056.33	5.36087	(10010907)	464315.31	3810056.33	5.58086	(10010907)
464353.31	3810056.33	5.70677	(10010907)	464391.31	3810056.33	5.71424	(10010907)
464429.31	3810056.33	5.61269	(10010907)	464467.31	3810056.33	5.43738	(10022820)
464505.31	3810056.33	5.65043	(10022820)	463745.31	3810085.39	5.17732	(09040203)
463783.31	3810085.39	5.10564	(09011307)	463821.31	3810085.39	5.23435	(09011307)
463859.31	3810085.39	5.33614	(09011307)	463897.31	3810085.39	5.38315	(09011307)
463935.31	3810085.39	5.35771	(09011307)	463973.31	3810085.39	5.26221	(09011307)
464011.31	3810085.39	5.27433	(09031206)	464049.31	3810085.39	5.33664	(09011120)
464087.31	3810085.39	5.49126	(09011120)	464125.31	3810085.39	5.56318	(09011120)
464163.31	3810085.39	5.55991	(09011120)	464201.31	3810085.39	5.46421	(09011120)
464239.31	3810085.39	5.27526	(09011120)	464277.31	3810085.39	5.18286	(10010907)
464315.31	3810085.39	5.40990	(10010907)	464353.31	3810085.39	5.54659	(10010907)

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        464391.31   3810085.39        5.57993  (10010907)              464429.31
3810085.39        5.49732  (10010907)
        464467.31   3810085.39        5.32131  (10010907)              464505.31
3810085.39        5.46261  (10022820)
        463745.31   3810114.45        5.10198  (09040203)              463783.31
3810114.45        5.10374  (09011307)
        463821.31   3810114.45        5.20334  (09011307)              463859.31
3810114.45        5.29169  (09011307)
        463897.31   3810114.45        5.30549  (09011307)              463935.31
3810114.45        5.26302  (09011307)
        463973.31   3810114.45        5.14886  (09011307)              464011.31
3810114.45        5.15824  (09031206)
        464049.31   3810114.45        5.20603  (09011120)              464087.31
3810114.45        5.34739  (09011120)
        464125.31   3810114.45        5.40753  (09011120)              464163.31
3810114.45        5.39495  (09011120)
        464201.31   3810114.45        5.30396  (09011120)              464239.31
3810114.45        5.14488  (09011120)
        464277.31   3810114.45        5.01027  (10010907)              464315.31
3810114.45        5.23007  (10010907)
        464353.31   3810114.45        5.36513  (10010907)              464391.31
3810114.45        5.40687  (10010907)
        464429.31   3810114.45        5.36448  (10010907)              464467.31
3810114.45        5.20943  (10010907)
        464505.31   3810114.45        5.27779  (10022820)              463745.31
3810143.51        4.99535  (09040203)
        463783.31   3810143.51        5.06836  (09011307)              463821.31
3810143.51        5.20330  (09011307)
        463859.31   3810143.51        5.26485  (09011307)              463897.31
3810143.51        5.23074  (09011307)
        463935.31   3810143.51        5.16160  (09011307)              463973.31
3810143.51        5.02758  (09011307)
        464011.31   3810143.51        5.04870  (09031206)              464049.31
3810143.51        5.08602  (09011120)
        464087.31   3810143.51        5.20368  (09011120)              464125.31
3810143.51        5.26208  (09011120)
        464163.31   3810143.51        5.25061  (09011120)              464201.31
3810143.51        5.16070  (09011120)
        464239.31   3810143.51        5.00141  (09011120)              464277.31
3810143.51        4.83829  (10010907)
        464315.31   3810143.51        5.06282  (10010907)              464353.31
3810143.51        5.18894  (10010907)
        464391.31   3810143.51        5.25175  (10010907)              464429.31
3810143.51        5.22196  (10010907)
        464467.31   3810143.51        5.11186  (10010907)              464505.31
3810143.51        5.09916  (10022820)
        464383.78   3807479.29       24.84729  (09031218)              464355.03
3807405.24       24.72983  (09123118)
        464402.07   3807352.10       21.43435  (09031218)              464367.23
3807296.35       23.82349  (09123118)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1O ***
INCLUDING SOURCE(S): L0006011 , L0006012
, L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020
, L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028
, L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465716.18	3808536.49	5.27035	(09031319)	465544.37	3808533.85	6.18756	(09031319)
465420.13	3808486.27	6.62465	(09031319)	465348.77	3808491.56	7.17326	(09031319)
465317.05	3808443.98	6.88108	(09031319)	465327.62	3808406.97	7.00151	(10032206)
465108.23	3808369.97	9.32341	(10032206)	464999.86	3808301.24	10.56079	(10032206)
464722.31	3807973.48	16.56371	(10020118)	464717.03	3807836.03	13.18917	(10020118)
464344.33	3807936.47	40.20234	(09011918)	464349.61	3807780.52	18.63028	(09011918)
464386.62	3807785.81	18.86151	(09011918)	464521.43	3807859.82	14.19313	(09011918)
464537.28	3807719.72	25.39467	(09011918)	464426.27			

3807613.99   30.65750 (09120417)
        464368.43   3807532.62   25.83317 (09120417)   464324.60
3807121.91   23.66199 (09123118)
        464123.31   3807123.54   24.18647 (09111519)   463930.13
3806909.26   13.01752 (09120318)
        463831.11   3806906.01   14.22629 (09032718)   463821.36
3806720.95   10.97043 (10102005)
        463727.21   3806727.44   15.77915 (09032718)   463598.97
3806334.59   13.22975 (09032718)
        463001.06   3806361.54   9.01329 (09022219)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                  INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                 L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                 L0006369   , L0006370   , L0006371   , L0006372   , L0006373 , L0006374   , L0006375   , L0006376   ,
                 L0006377   , L0006378   , L0006379   , L0006380   , L0006381 , L0006382   , L0006383   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        462160.55   3809377.75   8.67765 (09022407)   462051.48
3809270.62   7.76648 (10021620)
        462014.47   3809029.10   8.69694 (09021520)   462010.58
3808855.75   8.66017 (09021520)
        461936.56   3808886.92   8.34137 (09021520)   461936.56
3808997.94   8.29456 (09021520)
        461909.30   3808768.10   8.26738 (10021620)   461835.28
3808894.71   7.97571 (09021520)
        461845.02   3808995.99   7.96912 (09021520)   461833.33
3809114.80   7.73954 (09021520)

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        461843.07   3809210.24        7.11740  (10021620)              461809.96
3809297.89        5.78252  (10021620)
        461856.71   3809385.54        6.09790  (10042219)              461841.13
3809482.92        6.66374  (10042219)
        462004.74   3809379.69        7.02109  (10042219)              461763.22
3808793.43        7.56568  (09021520)
        461753.48   3808699.93        7.90639  (10021620)              461835.28
3808686.30        8.08232  (10021620)
        461823.60   3808579.17        7.94568  (10021620)              461761.27
3808585.02        7.73181  (10021620)
        462301.19   3807807.15        7.38543  (09122018)              462304.78
3807868.16        7.28563  (09122018)
        462216.84   3807882.52        6.96685  (10021207)              462116.34
3807886.11        7.56485  (10021207)
        462114.55   3807789.20        6.35523  (09122018)              462012.25
3807887.90        7.61566  (10021207)
        462008.66   3807975.84        7.93421  (10021207)              461917.14
3807972.25        7.34629  (10021207)
        461922.52   3808187.60        6.69095  (09020118)              461908.17
3808288.10        6.46172  (09020118)
        461848.94   3808377.83        7.29401  (10021620)              461831.00
3808494.48        7.93559  (10021620)
        462421.43   3808393.98       10.19794  (10021207)              462459.11
3808501.66       11.21010  (10021620)
        462437.58   3808580.62       11.29908  (10021620)              462654.73
3809189.00       15.34470  (09022407)
        462559.49   3809194.32       12.42847  (09022407)              465763.86
3807935.19        4.15974  (10102019)
        465819.84   3807935.19        3.80691  (10102019)              465875.82
3807935.19        3.46792  (10102019)
        465931.80   3807935.19        3.16097  (10102019)              465987.78
3807935.19        2.83532  (10102019)
        466043.76   3807935.19        2.55673  (10102019)              466099.74
3807935.19        2.28910  (10102019)
        466155.72   3807935.19        2.05502  (10102019)              466211.70
3807935.19        1.82528  (10102019)
        466267.68   3807935.19        1.62148  (10102019)              466323.66
3807935.19        1.36519  (10102019)
        466379.64   3807935.19        1.23583  (09010519)              466435.62
3807935.19        1.22794  (09010519)
        466491.60   3807935.19        1.21676  (09010519)              466547.58
3807935.19        1.20417  (09010519)
        466603.56   3807935.19        1.19262  (09010519)              466659.54
3807935.19        1.18104  (09010519)
        466715.52   3807935.19        1.16948  (09010519)              466771.50
3807935.19        1.15774  (09010519)
        466827.48   3807935.19        1.14537  (09010519)              466883.46
3807935.19        1.13355  (09010519)
        465763.86   3808001.41        3.71667  (10102019)              465819.84
3808001.41        3.36875  (10102019)
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3808067.63 2.58557 (10102019)
465931.80 3808067.63 2.31454 (10102019) 465987.78
3808067.63 2.08476 (10102019)
466043.76 3808067.63 1.86101 (10102019) 466099.74
3808067.63 1.68165 (09010408)
466155.72 3808067.63 1.51658 (09010408) 466211.70
3808067.63 1.48460 (09010519)
466267.68 3808067.63 1.47314 (09010519) 466323.66
3808067.63 1.45191 (09010519)
466379.64 3808067.63 1.43303 (09010519) 466435.62
3808067.63 1.41526 (09010519)
466491.60 3808067.63 1.39580 (09010519) 466547.58
3808067.63 1.37744 (09010519)
466603.56 3808067.63 1.35929 (09010519) 466659.54
3808067.63 1.34136 (09010519)
466715.52 3808067.63 1.32386 (09010519) 466771.50
3808067.63 1.30653 (09010519)
466827.48 3808067.63 1.28859 (09010519) 466883.46
3808067.63 1.27044 (09010519)
465763.86 3808133.85 2.72045 (10102019) 465819.84
3808133.85 2.41720 (10102019)
465875.82 3808133.85 2.26221 (09010408) 465931.80
3808133.85 2.16413 (09010408)
465987.78 3808133.85 2.11712 (09010408) 466043.76
3808133.85 1.90760 (09010408)
466099.74 3808133.85 1.65829 (09010408) 466155.72
3808133.85 1.62204 (09010519)
466211.70 3808133.85 1.60186 (09010519) 466267.68
3808133.85 1.57191 (09010519)
466323.66 3808133.85 1.54490 (09010519) 466379.64
3808133.85 1.52242 (09010519)
466435.62 3808133.85 1.50015 (09010519) 466491.60
3808133.85 1.47824 (09010519)
466547.58 3808133.85 1.45621 (09010519) 466603.56
3808133.85 1.43486 (09010519)
466659.54 3808133.85 1.41385 (09010519) 466715.52
3808133.85 1.39300 (09010519)
466771.50 3808133.85 1.37127 (09010519) 466827.48
3808133.85 1.35129 (09010519)
466883.46 3808133.85 1.33133 (09010519) 465763.86
3808200.07 2.70355 (09010408)
465819.84 3808200.07 2.54223 (09010408) 465875.82
3808200.07 2.35606 (09010408)
465931.80 3808200.07 2.27574 (09010408) 465987.78
3808200.07 2.02414 (09010408)
466043.76 3808200.07 1.79152 (09010519) 466099.74
3808200.07 1.76676 (09010519)
466155.72 3808200.07 1.73057 (09010519) 466211.70
3808200.07 1.68449 (09010519)
466267.68 3808200.07 1.65665 (09010519) 466323.66

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3808200.07        1.63061  (09010519)
        466379.64   3808200.07        1.60386  (09010519)                466435.62
3808200.07        1.57760  (09010519)
        466491.60   3808200.07        1.55185  (09010519)                466547.58
3808200.07        1.52658  (09010519)
        466603.56   3808200.07        1.50180  (09010519)                466659.54
3808200.07        1.47749  (09010519)
        466715.52   3808200.07        1.45369  (09010519)                466771.50
3808200.07        1.42997  (09010519)
        466827.48   3808200.07        1.40625  (09010519)                466883.46
3808200.07        1.38375  (09010519)
        465763.86   3808266.29        2.67135  (09010408)                465819.84
3808266.29        2.57988  (09010408)
        465875.82   3808266.29        2.44151  (09010408)                465931.80
3808266.29        2.14839  (09010408)
        465987.78   3808266.29        1.94852  (09010519)                466043.76
3808266.29        1.90987  (09010519)
        466099.74   3808266.29        1.86306  (09010519)                466155.72
3808266.29        1.79986  (09010519)
        466211.70   3808266.29        1.76714  (09010519)                466267.68
3808266.29        1.73584  (09010519)
        466323.66   3808266.29        1.70454  (09010519)                466379.64
3808266.29        1.67508  (09010519)
        466435.62   3808266.29        1.64539  (09010519)                466491.60
3808266.29        1.61556  (09010519)
        466547.58   3808266.29        1.58679  (09010519)                466603.56
3808266.29        1.55866  (09010519)
        466659.54   3808266.29        1.53201  (09010519)                466715.52
3808266.29        1.50462  (09010519)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK31  ***
                                    INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466771.50	3808266.29	1.47867	(09010519)	466827.48	3808266.29	1.45260	(09010519)
466883.46	3808266.29	1.42753	(09010519)	465763.86	3808332.51	2.53211	(09010408)
465819.84	3808332.51	2.49301	(09010408)	465875.82	3808332.51	2.19495	(09010408)
465931.80	3808332.51	2.11407	(09010519)	465987.78	3808332.51	2.05046	(09010519)
466043.76	3808332.51	1.98599	(09010519)	466099.74	3808332.51	1.91173	(09010519)
466155.72	3808332.51	1.87421	(09010519)	466211.70	3808332.51	1.83725	(09010519)
466267.68	3808332.51	1.80115	(09010519)	466323.66	3808332.51	1.76800	(09010519)
466379.64	3808332.51	1.73369	(09010519)	466435.62	3808332.51	1.70019	(09010519)
466491.60	3808332.51	1.66755	(09010519)	466547.58	3808332.51	1.63570	(09010519)
466603.56	3808332.51	1.60669	(09010519)	466659.54	3808332.51	1.57668	(09010519)
466715.52	3808332.51	1.54712	(09010519)	466771.50	3808332.51	1.51668	(09010519)
466827.48	3808332.51	1.48884	(09010519)	466883.46	3808332.51	1.46157	(09010519)
465763.86	3808398.73	2.37370	(09010519)	465819.84	3808398.73	2.32852	(09010519)
465875.82	3808398.73	2.26489	(09010519)	465931.80	3808398.73	2.19128	(09010519)
465987.78	3808398.73	2.10588	(09010519)	466043.76	3808398.73	2.01768	(09010519)
466099.74	3808398.73	1.97541	(09010519)	466155.72	3808398.73	1.93307	(09010519)
466211.70	3808398.73	1.89202	(09010519)	466267.68	3808398.73	1.85472	(09010519)
466323.66	3808398.73	1.81597	(09010519)	466379.64	3808398.73	1.77849	(09010519)
466435.62	3808398.73	1.74305	(09010519)	466491.60	3808398.73	1.70780	(09010519)
466547.58	3808398.73	1.67349	(09010519)	466603.56	3808398.73	1.64034	(09010519)
466659.54	3808398.73	1.60788	(09010519)	466715.52	3808398.73	1.57580	(09010519)

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        466771.50   3808398.73        1.54494  (09010519)               466827.48
3808398.73        1.51459  (09010519)
        466883.46   3808398.73        1.48519  (09010519)               465763.86
3808464.95        2.47260  (09010519)
        465819.84   3808464.95        2.40256  (09010519)               465875.82
3808464.95        2.29656  (09010519)
        465931.80   3808464.95        2.16512  (09010519)               465987.78
3808464.95        2.11538  (09010519)
        466043.76   3808464.95        2.06817  (09010519)               466099.74
3808464.95        2.02090  (09010519)
        466155.72   3808464.95        1.97514  (09010519)               466211.70
3808464.95        1.93089  (09010519)
        466267.68   3808464.95        1.89002  (09010519)               466323.66
3808464.95        1.84841  (09010519)
        466379.64   3808464.95        1.80931  (09010519)               466435.62
3808464.95        1.77034  (09010519)
        466491.60   3808464.95        1.73381  (09010519)               466547.58
3808464.95        1.69694  (09010519)
        466603.56   3808464.95        1.66117  (09010519)               466659.54
3808464.95        1.62646  (09010519)
        466715.52   3808464.95        1.59287  (09010519)               466771.50
3808464.95        1.56026  (09010519)
        466827.48   3808464.95        1.52855  (09010519)               466883.46
3808464.95        1.49775  (09010519)
        465763.86   3808531.17        2.52316  (09010519)               465819.84
3808531.17        2.38845  (09010519)
        465875.82   3808531.17        2.25674  (09010519)               465931.80
3808531.17        2.20081  (09010519)
        465987.78   3808531.17        2.14855  (09010519)               466043.76
3808531.17        2.09726  (09010519)
        466099.74   3808531.17        2.04788  (09010519)               466155.72
3808531.17        1.99932  (09010519)
        466211.70   3808531.17        1.95249  (09010519)               466267.68
3808531.17        1.90857  (09010519)
        466323.66   3808531.17        1.86585  (09010519)               466379.64
3808531.17        1.82367  (09010519)
        466435.62   3808531.17        1.78400  (09010519)               466491.60
3808531.17        1.74413  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 558
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK31  ***
                                  INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
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                L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        466547.58   3808531.17        1.70554  (09010519)               466603.56
3808531.17        1.66814  (09010519)
        466659.54   3808531.17        1.63186  (09010519)               466715.52
3808531.17        1.59691  (09010519)
        466771.50   3808531.17        1.56263  (09010519)               466827.48
3808531.17        1.53010  (09010519)
        466883.46   3808531.17        1.49820  (09010519)               465763.86
3808597.39        2.46385  (09010519)
        465819.84   3808597.39        2.33757  (09010519)               465875.82
3808597.39        2.27631  (09010519)
        465931.80   3808597.39        2.21558  (09010519)               465987.78
3808597.39        2.16055  (09010519)
        466043.76   3808597.39        2.10804  (09010519)               466099.74
3808597.39        2.05558  (09010519)
        466155.72   3808597.39        2.00540  (09010519)               466211.70
3808597.39        1.95714  (09010519)
        466267.68   3808597.39        1.90986  (09010519)               466323.66
3808597.39        1.86607  (09010519)
        466379.64   3808597.39        1.82335  (09010519)               466435.62
3808597.39        1.78081  (09010519)
        466491.60   3808597.39        1.74046  (09010519)               466547.58
3808597.39        1.70530  (10032206)
        466603.56   3808597.39        1.67092  (10032206)               466659.54
3808597.39        1.63760  (10032206)
        466715.52   3808597.39        1.60546  (10032206)               466771.50
3808597.39        1.57427  (10032206)
        466827.48   3808597.39        1.54401  (10032206)               466883.46
3808597.39        1.51557  (10032206)
        465763.86   3808663.61        2.39781  (09010519)               465819.84
3808663.61        2.33502  (09010519)
        465875.82   3808663.61        2.27495  (10032206)               465931.80
3808663.61        2.22016  (10032206)
        465987.78   3808663.61        2.16760  (10032206)               466043.76
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3808663.61        2.11682  (10032206)
        466099.74   3808663.61        2.06895  (10032206)                466155.72
3808663.61        2.02157  (10032206)
        466211.70   3808663.61        1.97565  (10032206)                466267.68
3808663.61        1.93155  (10032206)
        466323.66   3808663.61        1.89172  (10032206)                466379.64
3808663.61        1.85056  (10032206)
        466435.62   3808663.61        1.81352  (10032206)                466491.60
3808663.61        1.77495  (10032206)
        466547.58   3808663.61        1.73751  (10032206)                466603.56
3808663.61        1.70131  (10032206)
        466659.54   3808663.61        1.66625  (10032206)                466715.52
3808663.61        1.63259  (10032206)
        466771.50   3808663.61        1.59998  (10032206)                466827.48
3808663.61        1.56995  (10032206)
        466883.46   3808663.61        1.53907  (10032206)                465763.86
3808729.83        2.43371  (10032206)
        465819.84   3808729.83        2.37551  (10032206)                465875.82
3808729.83        2.31605  (10032206)
        465931.80   3808729.83        2.25803  (10032206)                465987.78
3808729.83        2.20238  (10032206)
        466043.76   3808729.83        2.14909  (10032206)                466099.74
3808729.83        2.09778  (10032206)
        466155.72   3808729.83        2.04842  (10032206)                466211.70
3808729.83        2.00065  (10032206)
        466267.68   3808729.83        1.95487  (10032206)                466323.66
3808729.83        1.91340  (10032206)
        466379.64   3808729.83        1.87184  (10032206)                466435.62
3808729.83        1.83077  (10032206)
        466491.60   3808729.83        1.79243  (10032206)                466547.58
3808729.83        1.75371  (10032206)
        466603.56   3808729.83        1.71630  (10032206)                466659.54
3808729.83        1.68275  (10032206)
        466715.52   3808729.83        1.64765  (10032206)                466771.50
3808729.83        1.61389  (10032206)
        466827.48   3808729.83        1.58196  (10032206)                466883.46
3808729.83        1.55031  (10032206)
        465763.86   3808796.05        2.44816  (10032206)                465819.84
3808796.05        2.39161  (10032206)
        465875.82   3808796.05        2.32834  (10032206)                465931.80
3808796.05        2.26990  (10032206)
        465987.78   3808796.05        2.21320  (10032206)                466043.76
3808796.05        2.15894  (10032206)
        466099.74   3808796.05        2.10671  (10032206)                466155.72
3808796.05        2.05641  (10032206)
        466211.70   3808796.05        2.00794  (10032206)                466267.68
3808796.05        1.96114  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 ,
L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 ,
L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 ,
L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466323.66	3808796.05	1.91681	(10032206)	466379.64	3808796.05	1.87380	(10032206)
466435.62	3808796.05	1.83352	(10032206)	466491.60	3808796.05	1.79277	(10032206)
466547.58	3808796.05	1.75368	(10032206)	466603.56	3808796.05	1.71738	(10032206)
466659.54	3808796.05	1.68069	(10032206)	466715.52	3808796.05	1.64591	(10032206)
466771.50	3808796.05	1.61186	(10032206)	466827.48	3808796.05	1.57859	(10032206)
466883.46	3808796.05	1.54777	(10032206)	465763.86	3808862.27	2.43131	(10032206)
465819.84	3808862.27	2.37259	(10032206)	465875.82	3808862.27	2.31482	(10032206)
465931.80	3808862.27	2.25582	(10032206)	465987.78	3808862.27	2.19891	(10032206)
466043.76	3808862.27	2.14413	(10032206)	466099.74	3808862.27	2.09274	(10032206)
466155.72	3808862.27	2.04067	(10032206)	466211.70	3808862.27	1.99183	(10032206)
466267.68	3808862.27	1.94651	(10032206)	466323.66	3808862.27	1.90122	(10032206)
466379.64	3808862.27	1.85843	(10032206)	466435.62	3808862.27	1.81680	(10032206)

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        466491.60   3808862.27        1.77668  (10032206)               466547.58
3808862.27        1.73813  (10032206)
        466603.56   3808862.27        1.70002  (10032206)               466659.54
3808862.27        1.66481  (10032206)
        466715.52   3808862.27        1.62916  (10032206)               466771.50
3808862.27        1.59510  (10032206)
        466827.48   3808862.27        1.56270  (10032206)               466883.46
3808862.27        1.53109  (10032206)
        465763.86   3808928.49        2.38274  (10032206)               465819.84
3808928.49        2.32443  (10032206)
        465875.82   3808928.49        2.26992  (10032206)               465931.80
3808928.49        2.21523  (10032206)
        465987.78   3808928.49        2.16166  (10032206)               466043.76
3808928.49        2.11036  (10032206)
        466099.74   3808928.49        2.05665  (10032206)               466155.72
3808928.49        2.00657  (10032206)
        466211.70   3808928.49        1.95842  (10032206)               466267.68
3808928.49        1.91176  (10032206)
        466323.66   3808928.49        1.86665  (10032206)               466379.64
3808928.49        1.82319  (10032206)
        466435.62   3808928.49        1.78290  (10032206)               466491.60
3808928.49        1.74358  (10032206)
        466547.58   3808928.49        1.70497  (10032206)               466603.56
3808928.49        1.66936  (10032206)
        466659.54   3808928.49        1.63299  (10032206)               466715.52
3808928.49        1.59866  (10032206)
        466771.50   3808928.49        1.56468  (10032206)               466827.48
3808928.49        1.53309  (10032206)
        466883.46   3808928.49        1.50137  (10032206)               465763.86
3808994.71        2.32202  (10032206)
        465819.84   3808994.71        2.26004  (10032206)               465875.82
3808994.71        2.20435  (10032206)
        465931.80   3808994.71        2.15351  (10032206)               465987.78
3808994.71        2.10498  (10032206)
        466043.76   3808994.71        2.05306  (10032206)               466099.74
3808994.71        2.00172  (10032206)
        466155.72   3808994.71        1.95154  (10032206)               466211.70
3808994.71        1.90466  (10032206)
        466267.68   3808994.71        1.85928  (10032206)               466323.66
3808994.71        1.81559  (10032206)
        466379.64   3808994.71        1.77345  (10032206)               466435.62
3808994.71        1.73285  (10032206)
        466491.60   3808994.71        1.69490  (10032206)               466547.58
3808994.71        1.65905  (10032206)
        466603.56   3808994.71        1.62287  (10032206)               466659.54
3808994.71        1.58735  (10032206)
        466715.52   3808994.71        1.55564  (10032206)               466771.50
3808994.71        1.52224  (10032206)
        466827.48   3808994.71        1.48999  (10032206)               466883.46
3808994.71        1.46028  (10032206)
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                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31 ***
                                  INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                 L0006361   , L0006362   , L0006363   , L0006364   , L0006365
, L0006366   , L0006367   , L0006368   ,
                 L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                 L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
       466099.74   3809060.93   1.92546 (10032206)   466155.72
3809060.93   1.87888 (10032206)
       466211.70   3809060.93   1.83312 (10032206)   466267.68
3809060.93   1.78982 (10032206)
       466323.66   3809060.93   1.74789 (10032206)   466379.64
3809060.93   1.70742 (10032206)
       466435.62   3809060.93   1.67012 (10032206)   466491.60
3809060.93   1.63366 (10032206)
       466547.58   3809060.93   1.59726 (10032206)   466603.56
3809060.93   1.56293 (10032206)
       466659.54   3809060.93   1.53112 (10032206)   466715.52
3809060.93   1.49805 (10032206)
       466771.50   3809060.93   1.46635 (10032206)   466827.48
3809060.93   1.43632 (10032206)
       466883.46   3809060.93   1.40764 (10032206)   465763.86

3809127.15 2.33914 (09031319)
465819.84 3809127.15 2.27587 (09031319) 465875.82
3809127.15 2.21622 (09031319)
465931.80 3809127.15 2.15722 (09031319) 465987.78
3809127.15 2.10052 (09031319)
466043.76 3809127.15 2.04091 (09031319) 466099.74
3809127.15 1.98365 (09031319)
466155.72 3809127.15 1.93080 (09031319) 466211.70
3809127.15 1.88580 (09031319)
466267.68 3809127.15 1.83913 (09031319) 466323.66
3809127.15 1.79263 (09031319)
466379.64 3809127.15 1.74628 (09031319) 466435.62
3809127.15 1.70263 (09031319)
466491.60 3809127.15 1.66043 (09031319) 466547.58
3809127.15 1.61988 (09031319)
466603.56 3809127.15 1.58122 (09031319) 466659.54
3809127.15 1.54208 (09031319)
466715.52 3809127.15 1.50515 (09031319) 466771.50
3809127.15 1.46909 (09031319)
466827.48 3809127.15 1.43367 (09031319) 466883.46
3809127.15 1.40082 (09031319)
465763.86 3809193.37 2.39377 (09031319) 465819.84
3809193.37 2.33573 (09031319)
465875.82 3809193.37 2.27676 (09031319) 465931.80
3809193.37 2.21837 (09031319)
465987.78 3809193.37 2.15743 (09031319) 466043.76
3809193.37 2.09158 (09031319)
466099.74 3809193.37 2.04125 (09031319) 466155.72
3809193.37 1.99013 (09031319)
466211.70 3809193.37 1.94460 (09031319) 466267.68
3809193.37 1.90037 (09031319)
466323.66 3809193.37 1.85595 (09031319) 466379.64
3809193.37 1.81231 (09031319)
466435.62 3809193.37 1.76816 (09031319) 466491.60
3809193.37 1.72623 (09031319)
466547.58 3809193.37 1.68563 (09031319) 466603.56
3809193.37 1.64732 (09031319)
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3809193.37 1.50022 (09031319)
466883.46 3809193.37 1.46598 (09031319) 465763.86
3809259.59 2.41745 (09031319)
465819.84 3809259.59 2.36106 (09031319) 465875.82
3809259.59 2.30370 (09031319)
465931.80 3809259.59 2.24806 (09031319) 465987.78
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466043.76 3809259.59 2.13068 (09031319) 466099.74
3809259.59 2.07644 (09031319)
466155.72 3809259.59 2.03127 (09031319) 466211.70

3809259.59   1.98732 (09031319)
        466267.68   3809259.59   1.94455 (09031319)   466323.66
3809259.59   1.89884 (09031319)
        466379.64   3809259.59   1.85610 (09031319)   466435.62
3809259.59   1.81485 (09031319)
        466491.60   3809259.59   1.77322 (09031319)   466547.58
3809259.59   1.73489 (09031319)
        466603.56   3809259.59   1.69581 (09031319)   466659.54
3809259.59   1.65792 (09031319)
        466715.52   3809259.59   1.62306 (09031319)   466771.50
3809259.59   1.58659 (09031319)
        466827.48   3809259.59   1.55215 (09031319)   466883.46
3809259.59   1.51827 (09031319)
        464503.41   3807141.91   11.26134 (09011918)   464523.41
3807141.91   10.77910 (09011918)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                  INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                L0006369   , L0006370   , L0006371   , L0006372   , L0006373 , L0006374   , L0006375   , L0006376   ,
                L0006377   , L0006378   , L0006379   , L0006380   , L0006381 , L0006382   , L0006383   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        464663.41   3807141.91        6.65184  (09011918)              464683.41
3807141.91        6.29493  (09122717)
        464703.41   3807141.91        6.05219  (09122717)              464723.41
3807141.91        5.78962  (09122717)
        464743.41   3807141.91        5.52303  (09122717)              464763.41
3807141.91        5.25753  (09122717)
        464783.41   3807141.91        4.98942  (09122717)              464803.41
3807141.91        4.72418  (09122717)
        464823.41   3807141.91        4.48288  (09122717)              464843.41
3807141.91        4.23048  (09122717)
        464863.41   3807141.91        3.97571  (09122717)              464883.41
3807141.91        3.73246  (09122717)
        464903.41   3807141.91        3.76277  (09030119)              464923.41
3807141.91        3.82773  (09030119)
        464503.41   3807161.91       10.94896  (09011918)              464523.41
3807161.91       10.44240  (09011918)
        464543.41   3807161.91        9.83530  (09011918)              464563.41
3807161.91        9.19515  (09011918)
        464583.41   3807161.91        8.64665  (09011918)              464603.41
3807161.91        8.08535  (09011918)
        464623.41   3807161.91        7.50813  (09011918)              464643.41
3807161.91        6.87962  (09011918)
        464663.41   3807161.91        6.43134  (09122717)              464683.41
3807161.91        6.18503  (09122717)
        464703.41   3807161.91        5.92043  (09122717)              464723.41
3807161.91        5.64640  (09122717)
        464743.41   3807161.91        5.37558  (09122717)              464763.41
3807161.91        5.12488  (09122717)
        464783.41   3807161.91        4.86089  (09122717)              464803.41
3807161.91        4.59215  (09122717)
        464823.41   3807161.91        4.33052  (09122717)              464843.41
3807161.91        4.07089  (09122717)
        464863.41   3807161.91        3.82083  (09122717)              464883.41
3807161.91        3.82629  (09030119)
        464903.41   3807161.91        3.91155  (09030119)              464923.41
3807161.91        4.00333  (09030119)
        464503.41   3807181.91       10.69657  (09011918)              464523.41
3807181.91       10.10597  (09011918)
        464543.41   3807181.91        9.50296  (09011918)              464563.41
3807181.91        8.89140  (09011918)
        464583.41   3807181.91        8.27492  (09011918)              464603.41
3807181.91        7.70178  (09011918)
        464623.41   3807181.91        7.13668  (09011918)              464643.41
3807181.91        6.55436  (09122717)
        464663.41   3807181.91        6.30394  (09122717)              464683.41
3807181.91        6.04805  (09122717)
        464703.41   3807181.91        5.77348  (09122717)              464723.41
3807181.91        5.50461  (09122717)
        464743.41   3807181.91        5.24029  (09122717)              464763.41
3807181.91        4.97705  (09122717)
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        464783.41   3807181.91        4.70711  (09122717)                464803.41
3807181.91        4.43904  (09122717)
        464823.41   3807181.91        4.19042  (09122717)                464843.41
3807181.91        3.93737  (09122717)
        464863.41   3807181.91        3.91233  (09030119)                464883.41
3807181.91        3.99212  (09030119)
        464903.41   3807181.91        4.06803  (09030119)                464923.41
3807181.91        4.14211  (09030119)
        464503.41   3807201.91       10.41712  (09011918)                464523.41
3807201.91        9.74857  (09011918)
        464543.41   3807201.91        9.15246  (09011918)                464563.41
3807201.91        8.57323  (09011918)
        464583.41   3807201.91        7.91968  (09011918)                464603.41
3807201.91        7.32408  (09011918)
        464623.41   3807201.91        6.75013  (09011918)                464643.41
3807201.91        6.42889  (09122717)
        464663.41   3807201.91        6.16870  (09122717)                464683.41
3807201.91        5.90438  (09122717)
        464703.41   3807201.91        5.62687  (09122717)                464723.41
3807201.91        5.36134  (09122717)
        464743.41   3807201.91        5.09845  (09122717)                464763.41
3807201.91        4.81945  (09122717)
        464783.41   3807201.91        4.54757  (09122717)                464803.41
3807201.91        4.28641  (09122717)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 562
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK31  ***
                                  INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                  L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                  L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                  L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)        CONC     (YYMMDDHH)
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3807241.91 4.42315 (09030119)
  464903.41 3807241.91 4.50791 (09030119) 464923.41
3807241.91 4.58016 (09030119)
  464503.41 3807261.91 9.26747 (09011918) 464523.41
3807261.91 8.69115 (09011918)
  464543.41 3807261.91 8.03480 (09011918) 464563.41
3807261.91 7.37280 (09011918)
  464583.41 3807261.91 6.83980 (09122717) 464603.41
3807261.91 6.56605 (09122717)
  464623.41 3807261.91 6.28114 (09122717) 464643.41
3807261.91 6.00946 (09122717)
  464663.41 3807261.91 5.74056 (09122717) 464683.41
3807261.91 5.46930 (09122717)
  464703.41 3807261.91 5.17461 (09122717) 464723.41
3807261.91 4.88645 (09122717)
  464743.41 3807261.91 4.60888 (09122717) 464763.41
3807261.91 4.35556 (09122717)
  464783.41 3807261.91 4.11291 (09030119) 464803.41
3807261.91 4.24685 (09030119)
  464823.41 3807261.91 4.26659 (09030119) 464843.41
3807261.91 4.35072 (09030119)
  464863.41 3807261.91 4.48851 (09030119) 464883.41
3807261.91 4.63841 (09030119)
  464903.41 3807261.91 4.66176 (09030119) 464923.41
3807261.91 4.63837 (09030119)
  464503.41 3807281.91 8.85353 (09011918) 464523.41
3807281.91 8.27474 (09011918)
  464543.41 3807281.91 7.62150 (09011918) 464563.41
3807281.91 6.96783 (09011918)
  464583.41 3807281.91 6.69610 (09122717) 464603.41
3807281.91 6.42841 (09122717)
  464623.41 3807281.91 6.15103 (09122717) 464643.41
3807281.91 5.85063 (09122717)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 ,
  L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 ,
  L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 ,
  L0006377 , L0006378 , L0006379 , L0006380 , L0006381

, L0006382   , L0006383   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464663.41	3807281.91	5.57239	(09122717)	464683.41	3807281.91	5.29931	(09122717)
464703.41	3807281.91	5.00076	(09122717)	464723.41	3807281.91	4.72771	(09122717)
464743.41	3807281.91	4.46677	(09122717)	464763.41	3807281.91	4.25224	(09030119)
464783.41	3807281.91	4.28528	(09030119)	464803.41	3807281.91	4.34792	(09030119)
464823.41	3807281.91	4.45334	(09030119)	464843.41	3807281.91	4.51978	(09030119)
464863.41	3807281.91	4.54173	(09030119)	464883.41	3807281.91	4.69222	(09030119)
464903.41	3807281.91	4.68127	(09030119)	464923.41	3807281.91	4.66651	(09030119)
464503.41	3807301.91	8.52252	(09011918)	464523.41	3807301.91	7.87756	(09011918)
464543.41	3807301.91	7.25048	(09011918)	464563.41	3807301.91	6.83399	(09122717)
464583.41	3807301.91	6.54741	(09122717)	464603.41	3807301.91	6.26951	(09122717)
464623.41	3807301.91	5.99030	(09122717)	464643.41	3807301.91	5.67985	(09122717)
464663.41	3807301.91	5.39689	(09122717)	464683.41	3807301.91	5.12298	(09122717)
464703.41	3807301.91	4.82184	(09122717)	464723.41	3807301.91	4.55272	(09122717)
464743.41	3807301.91	4.33296	(09030119)	464763.41	3807301.91	4.37353	(09030119)
464783.41	3807301.91	4.45471	(09030119)	464803.41	3807301.91	4.54195	(09030119)
464823.41	3807301.91	4.69772	(09030119)	464843.41	3807301.91	4.75862	(09030119)
464863.41	3807301.91	4.72462	(09030119)	464883.41	3807301.91	4.72652	(09030119)
464903.41	3807301.91	4.77060	(09030119)	464923.41	3807301.91	4.85888	(09030119)
464503.41	3807321.91	8.17652	(09011918)	464523.41	3807321.91	7.47650	(09011918)

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        464543.41   3807321.91        6.97841  (09122717)                464563.41
3807321.91        6.70152  (09122717)
        464583.41   3807321.91        6.38770  (09122717)                464603.41
3807321.91        6.09766  (09122717)
        464623.41   3807321.91        5.81546  (09122717)                464643.41
3807321.91        5.49928  (09122717)
        464663.41   3807321.91        5.21497  (09122717)                464683.41
3807321.91        4.94240  (09122717)
        464703.41   3807321.91        4.64775  (09122717)                464723.41
3807321.91        4.52493  (09030119)
        464743.41   3807321.91        4.54248  (09030119)                464763.41
3807321.91        4.54409  (09030119)
        464783.41   3807321.91        4.63687  (09030119)                464803.41
3807321.91        4.79247  (09030119)
        464823.41   3807321.91        4.93262  (09030119)                464843.41
3807321.91        4.94759  (09030119)
        464863.41   3807321.91        4.87197  (09030119)                464883.41
3807321.91        4.85650  (09030119)
        464903.41   3807321.91        4.95405  (09030119)                464923.41
3807321.91        5.10338  (09030119)
        464503.41   3807341.91        7.75035  (09011918)                464523.41
3807341.91        7.10655  (09122717)
        464543.41   3807341.91        6.82043  (09122717)                464563.41
3807341.91        6.53540  (09122717)
        464583.41   3807341.91        6.21219  (09122717)                464603.41
3807341.91        5.91683  (09122717)
        464623.41   3807341.91        5.63265  (09122717)                464643.41
3807341.91        5.31217  (09122717)
        464663.41   3807341.91        5.02757  (09122717)                464683.41
3807341.91        4.76115  (09122717)
        464703.41   3807341.91        4.60987  (09030119)                464723.41
3807341.91        4.70446  (09030119)
        464743.41   3807341.91        4.80563  (09030119)                464763.41
3807341.91        4.80278  (09030119)
        464783.41   3807341.91        4.89525  (09030119)                464803.41
3807341.91        5.04130  (09030119)
        464823.41   3807341.91        5.04467  (09030119)                464843.41
3807341.91        4.96807  (09030119)
        464863.41   3807341.91        4.94689  (09030119)                464883.41
3807341.91        5.05528  (09030119)
        464903.41   3807341.91        5.20537  (09030119)                464923.41
3807341.91        5.31109  (09030119)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19

                                  PAGE 564
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***

INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 , L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 , L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 , L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464503.41	3807361.91	7.33734	(09011918)	464523.41	3807361.91	6.97267	(09122717)
464543.41	3807361.91	6.66984	(09122717)	464563.41	3807361.91	6.35853	(09122717)
464583.41	3807361.91	6.02741	(09122717)	464603.41	3807361.91	5.72799	(09122717)
464623.41	3807361.91	5.44817	(09122717)	464643.41	3807361.91	5.15008	(09122717)
464663.41	3807361.91	4.85640	(09122717)	464683.41	3807361.91	4.86937	(09030119)
464703.41	3807361.91	4.82597	(09030119)	464723.41	3807361.91	4.89312	(09030119)
464743.41	3807361.91	4.97245	(09030119)	464763.41	3807361.91	5.05222	(09030119)
464783.41	3807361.91	5.08790	(09030119)	464803.41	3807361.91	5.15286	(09030119)
464823.41	3807361.91	5.06950	(09030119)	464843.41	3807361.91	5.06258	(09030119)
464863.41	3807361.91	5.15280	(09030119)	464883.41	3807361.91	5.30802	(09030119)
464903.41	3807361.91	5.36362	(09030119)	464923.41	3807361.91	5.41023	(09030119)
464503.41	3807381.91	7.12310	(09122717)	464523.41	3807381.91	6.82972	(09122717)
464543.41	3807381.91	6.50851	(09122717)	464563.41	3807381.91	6.17333	(09122717)
464583.41	3807381.91	5.84548	(09122717)	464603.41	3807381.91	5.54027	(09122717)
464623.41	3807381.91	5.25654	(09122717)	464643.41			

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3807381.91        4.98143  (09122717)
        464663.41   3807381.91        4.98125  (09030119)                464683.41
3807381.91        5.08470  (09030119)
        464703.41   3807381.91        5.09863  (09030119)                464723.41
3807381.91        5.09751  (09030119)
        464743.41   3807381.91        5.10283  (09030119)                464763.41
3807381.91        5.24814  (09030119)
        464783.41   3807381.91        5.27276  (09030119)                464803.41
3807381.91        5.27793  (09030119)
        464823.41   3807381.91        5.16119  (09030119)                464843.41
3807381.91        5.25660  (09030119)
        464863.41   3807381.91        5.41125  (09030119)                464883.41
3807381.91        5.51513  (09030119)
        464903.41   3807381.91        5.51738  (09030119)                464923.41
3807381.91        5.38045  (09030119)
        464503.41   3807401.91        6.99218  (09122717)                464523.41
3807401.91        6.66009  (09122717)
        464543.41   3807401.91        6.32004  (09122717)                464563.41
3807401.91        5.98410  (09122717)
        464583.41   3807401.91        5.68603  (09122717)                464603.41
3807401.91        5.36692  (09122717)
        464623.41   3807401.91        5.18279  (09030119)                464643.41
3807401.91        5.18118  (09030119)
        464663.41   3807401.91        5.18519  (09030119)                464683.41
3807401.91        5.20346  (09030119)
        464703.41   3807401.91        5.36139  (09030119)                464723.41
3807401.91        5.37704  (09030119)
        464743.41   3807401.91        5.36724  (09030119)                464763.41
3807401.91        5.36671  (09030119)
        464783.41   3807401.91        5.45269  (09030119)                464803.41
3807401.91        5.54780  (09030119)
        464823.41   3807401.91        5.42799  (09030119)                464843.41
3807401.91        5.52233  (09030119)
        464863.41   3807401.91        5.63037  (09030119)                464883.41
3807401.91        5.57698  (09030119)
        464903.41   3807401.91        5.63446  (09030119)                464923.41
3807401.91        5.63246  (09030119)
        464503.41   3807421.91        6.81975  (09122717)                464523.41
3807421.91        6.47196  (09122717)
        464543.41   3807421.91        6.14094  (09122717)                464563.41
3807421.91        5.81900  (09122717)
        464583.41   3807421.91        5.49896  (09122717)                464603.41
3807421.91        5.28568  (09030119)
        464623.41   3807421.91        5.37418  (09030119)                464643.41
3807421.91        5.46197  (09030119)
        464663.41   3807421.91        5.46963  (09030119)                464683.41
3807421.91        5.46661  (09030119)
        464703.41   3807421.91        5.50019  (09030119)                464723.41
3807421.91        5.57753  (09030119)
        464743.41   3807421.91        5.64656  (09030119)                464763.41
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                   INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                 L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                 L0006369   , L0006370   , L0006371   , L0006372   , L0006373 , L0006374   , L0006375   , L0006376   ,
                 L0006377   , L0006378   , L0006379   , L0006380   , L0006381 , L0006382   , L0006383   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        464743.41   3807441.91        5.86385  (09030119)              464763.41
3807441.91        5.86494  (09030119)
        464783.41   3807441.91        5.77680  (09030119)              464803.41
3807441.91        5.74944  (09030119)
        464823.41   3807441.91        5.90896  (09030119)              464843.41
3807441.91        5.86303  (09030119)
        464863.41   3807441.91        5.70354  (09030119)              464883.41
3807441.91        5.85998  (09030119)
        464903.41   3807441.91        5.87374  (09030119)              464923.41
3807441.91        5.85223  (09030119)
        464503.41   3807461.91        6.43366  (09122717)              464523.41
3807461.91        6.11940  (09122717)
        464543.41   3807461.91        5.78108  (09122717)              464563.41
3807461.91        5.55949  (09030119)
        464583.41   3807461.91        5.56569  (09030119)              464603.41
3807461.91        5.66549  (09030119)
        464623.41   3807461.91        5.82028  (09030119)              464643.41
3807461.91        5.81786  (09030119)
        464663.41   3807461.91        5.90870  (09030119)              464683.41
3807461.91        6.00803  (09030119)
        464703.41   3807461.91        5.98644  (09030119)              464723.41
3807461.91        5.97340  (09030119)
        464743.41   3807461.91        5.97937  (09030119)              464763.41
3807461.91        6.12640  (09030119)
        464783.41   3807461.91        6.05949  (09030119)              464803.41
3807461.91        6.02904  (09030119)
        464823.41   3807461.91        6.18627  (09030119)              464843.41
3807461.91        6.13766  (09030119)
        464863.41   3807461.91        5.97463  (09030119)              464883.41
3807461.91        6.12805  (09030119)
        464903.41   3807461.91        6.13677  (09030119)              464923.41
3807461.91        6.10926  (09030119)
        464503.41   3807481.91        6.22348  (09122717)              464523.41
3807481.91        5.91419  (09122717)
        464543.41   3807481.91        5.67301  (09030119)              464563.41
3807481.91        5.76234  (09030119)
        464583.41   3807481.91        5.85079  (09030119)              464603.41
3807481.91        5.88644  (09030119)
        464623.41   3807481.91        5.96633  (09030119)              464643.41
3807481.91        6.04631  (09030119)
        464663.41   3807481.91        6.12024  (09030119)              464683.41
3807481.91        6.19148  (09030119)
        464703.41   3807481.91        6.26364  (09030119)              464723.41
3807481.91        6.25662  (09030119)
        464743.41   3807481.91        6.24983  (09030119)              464763.41
3807481.91        6.40816  (09030119)
        464783.41   3807481.91        6.34458  (09030119)              464803.41
3807481.91        6.31094  (09030119)
        464823.41   3807481.91        6.46455  (09030119)              464843.41
3807481.91        6.41306  (09030119)
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31 ***
                                   INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                 L0006361   , L0006362   , L0006363   , L0006364   , L0006365
, L0006366   , L0006367   , L0006368   ,
                 L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                 L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        464623.41   3807501.91   6.16393 (09030119)   464643.41
3807501.91   6.27198 (09030119)
        464663.41   3807501.91   6.33125 (09030119)   464683.41
3807501.91   6.33841 (09030119)
        464703.41   3807501.91   6.48075 (09030119)   464723.41
3807501.91   6.49425 (09030119)
        464743.41   3807501.91   6.53780 (09030119)   464763.41
3807501.91   6.63433 (09030119)
        464783.41   3807501.91   6.57692 (09030119)   464803.41
3807501.91   6.59063 (09030119)
        464823.41   3807501.91   6.68631 (09030119)   464843.41

3807501.91 6.67408 (09030119)
464863.41 3807501.91 6.50891 (09030119) 464883.41
3807501.91 6.42584 (09030119)
464903.41 3807501.91 6.48247 (09030119) 464923.41
3807501.91 6.61043 (09030119)
464503.41 3807521.91 6.20183 (09030119) 464523.41
3807521.91 5.98290 (09030119)
464543.41 3807521.91 6.07917 (09030119) 464563.41
3807521.91 6.23801 (09030119)
464583.41 3807521.91 6.22974 (09030119) 464603.41
3807521.91 6.32062 (09030119)
464623.41 3807521.91 6.42206 (09030119) 464643.41
3807521.91 6.40866 (09030119)
464663.41 3807521.91 6.49269 (09030119) 464683.41
3807521.91 6.62901 (09030119)
464703.41 3807521.91 6.61208 (09030119) 464723.41
3807521.91 6.68988 (09030119)
464743.41 3807521.91 6.77909 (09030119) 464763.41
3807521.91 6.69329 (09030119)
464783.41 3807521.91 6.73565 (09030119) 464803.41
3807521.91 6.82496 (09030119)
464823.41 3807521.91 6.75339 (09030119) 464843.41
3807521.91 6.79656 (09030119)
464863.41 3807521.91 6.77719 (09030119) 464883.41
3807521.91 6.68770 (09030119)
464903.41 3807521.91 6.73686 (09030119) 464923.41
3807521.91 6.85608 (09030119)
464503.41 3807541.91 6.19413 (09030119) 464523.41
3807541.91 6.28232 (09030119)
464543.41 3807541.91 6.31467 (09030119) 464563.41
3807541.91 6.39354 (09030119)
464583.41 3807541.91 6.47240 (09030119) 464603.41
3807541.91 6.54470 (09030119)
464623.41 3807541.91 6.61404 (09030119) 464643.41
3807541.91 6.68427 (09030119)
464663.41 3807541.91 6.70755 (09030119) 464683.41
3807541.91 6.77122 (09030119)
464703.41 3807541.91 6.83619 (09030119) 464723.41
3807541.91 6.85857 (09030119)
464743.41 3807541.91 6.84590 (09030119) 464763.41
3807541.91 6.87618 (09030119)
464783.41 3807541.91 7.01064 (09030119) 464803.41
3807541.91 7.10242 (09030119)
464823.41 3807541.91 6.98093 (09030119) 464843.41
3807541.91 6.85877 (09030119)
464863.41 3807541.91 6.86206 (09030119) 464883.41
3807541.91 6.90161 (09030119)
464903.41 3807541.91 6.97139 (09030119) 464923.41
3807541.91 7.03289 (09030119)
464503.41 3807561.91 6.36548 (09030119) 464523.41

3807561.91 6.53280 (09030119)
  464543.41 3807561.91 6.54939 (09030119) 464563.41
3807561.91 6.60306 (09030119)
  464583.41 3807561.91 6.71151 (09030119) 464603.41
3807561.91 6.76772 (09030119)
  464623.41 3807561.91 6.76941 (09030119) 464643.41
3807561.91 6.91283 (09030119)
  464663.41 3807561.91 6.92127 (09030119) 464683.41
3807561.91 6.96060 (09030119)
  464703.41 3807561.91 7.05577 (09030119) 464723.41
3807561.91 6.99071 (09030119)
  464743.41 3807561.91 7.00183 (09030119) 464763.41
3807561.91 7.15040 (09030119)
  464783.41 3807561.91 7.24386 (09030119) 464803.41
3807561.91 7.31801 (09030119)
  464823.41 3807561.91 7.24687 (09030119) 464843.41
3807561.91 7.03674 (09030119)
  464863.41 3807561.91 6.98650 (09030119) 464883.41
3807561.91 7.11014 (09030119)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 ,
  L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 ,
  L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 ,
  L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
- - - -

```
        464503.41   3807581.91        6.70146  (09030119)              464523.41
3807581.91        6.68601  (09030119)
        464543.41   3807581.91        6.77586  (09030119)              464563.41
3807581.91        6.87681  (09030119)
        464583.41   3807581.91        6.85622  (09030119)              464603.41
3807581.91        6.93849  (09030119)
        464623.41   3807581.91        7.07502  (09030119)              464643.41
3807581.91        7.05092  (09030119)
        464663.41   3807581.91        7.12614  (09030119)              464683.41
3807581.91        7.21314  (09030119)
        464703.41   3807581.91        7.11793  (09030119)              464723.41
3807581.91        7.15601  (09030119)
        464743.41   3807581.91        7.29390  (09030119)              464763.41
3807581.91        7.43415  (09030119)
        464783.41   3807581.91        7.41093  (09030119)              464803.41
3807581.91        7.37739  (09030119)
        464823.41   3807581.91        7.45899  (09030119)              464843.41
3807581.91        7.29691  (09030119)
        464863.41   3807581.91        7.23831  (09030119)              464883.41
3807581.91        7.35039  (09030119)
        464903.41   3807581.91        7.42607  (09030119)              464923.41
3807581.91        7.41361  (09030119)
        464503.41   3807601.91        6.85449  (09030119)              464523.41
3807601.91        6.82003  (09030119)
        464543.41   3807601.91        6.91278  (09030119)              464563.41
3807601.91        7.07933  (09030119)
        464583.41   3807601.91        7.14639  (09030119)              464603.41
3807601.91        7.16461  (09030119)
        464623.41   3807601.91        7.22456  (09030119)              464643.41
3807601.91        7.28578  (09030119)
        464663.41   3807601.91        7.30286  (09030119)              464683.41
3807601.91        7.28358  (09030119)
        464703.41   3807601.91        7.30853  (09030119)              464723.41
3807601.91        7.44126  (09030119)
        464743.41   3807601.91        7.53635  (09030119)              464763.41
3807601.91        7.55204  (09030119)
        464783.41   3807601.91        7.57008  (09030119)              464803.41
3807601.91        7.44778  (09030119)
        464823.41   3807601.91        7.43441  (09030119)              464843.41
3807601.91        7.45692  (09030119)
        464863.41   3807601.91        7.47646  (09030119)              464883.41
3807601.91        7.55574  (09030119)
        464903.41   3807601.91        7.59206  (09030119)              464923.41
3807601.91        7.61543  (09030119)
        464503.41   3807621.91        6.98957  (09030119)              464523.41
3807621.91        6.97507  (09030119)
        464543.41   3807621.91        7.07295  (09030119)              464563.41
3807621.91        7.24357  (09030119)
        464583.41   3807621.91        7.38669  (09030119)              464603.41
3807621.91        7.38881  (09030119)
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        464623.41   3807621.91        7.42255  (09030119)               464643.41
3807621.91        7.51498  (09030119)
        464663.41   3807621.91        7.44118  (09030119)               464683.41
3807621.91        7.44559  (09030119)
        464703.41   3807621.91        7.59258  (09030119)               464723.41
3807621.91        7.68186  (09030119)
        464743.41   3807621.91        7.75057  (09030119)               464763.41
3807621.91        7.66977  (09030119)
        464783.41   3807621.91        7.58580  (09030119)               464803.41
3807621.91        7.61783  (09030119)
        464823.41   3807621.91        7.58656  (09030119)               464843.41
3807621.91        7.60679  (09030119)
        464863.41   3807621.91        7.69237  (09030119)               464883.41
3807621.91        7.71458  (09030119)
        464903.41   3807621.91        7.77266  (09030119)               464923.41
3807621.91        7.79156  (09030119)
        464503.41   3807641.91        7.13230  (09030119)               464523.41
3807641.91        7.24688  (09030119)
        464543.41   3807641.91        7.41595  (09030119)               464563.41
3807641.91        7.56438  (09030119)
        464583.41   3807641.91        7.53177  (09030119)               464603.41
3807641.91        7.60295  (09030119)
        464623.41   3807641.91        7.68622  (09030119)               464643.41
3807641.91        7.58048  (09030119)
        464663.41   3807641.91        7.61282  (09030119)               464683.41
3807641.91        7.74799  (09030119)
        464703.41   3807641.91        7.88465  (09030119)               464723.41
3807641.91        7.85295  (09030119)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 568
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK31  ***
                                  INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                 L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                 L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                 L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464743.41	3807641.91	7.81029	(09030119)	464763.41	3807641.91	7.88567	(09030119)
464783.41	3807641.91	7.75103	(09030119)	464803.41	3807641.91	7.68407	(09030119)
464823.41	3807641.91	7.78361	(09030119)	464843.41	3807641.91	7.81891	(09030119)
464863.41	3807641.91	7.84050	(09030119)	464883.41	3807641.91	7.90583	(09030119)
464903.41	3807641.91	7.90907	(09030119)	464923.41	3807641.91	7.89658	(09030119)
464503.41	3807661.91	7.21265	(09030119)	464523.41	3807661.91	7.39264	(09030119)
464543.41	3807661.91	7.56564	(09030119)	464563.41	3807661.91	7.72147	(09030119)
464583.41	3807661.91	7.77735	(09030119)	464603.41	3807661.91	7.78769	(09030119)
464623.41	3807661.91	7.76042	(09030119)	464643.41	3807661.91	7.77849	(09030119)
464663.41	3807661.91	7.79423	(09030119)	464683.41	3807661.91	7.81769	(09030119)
464703.41	3807661.91	7.95250	(09030119)	464723.41	3807661.91	8.01477	(09030119)
464743.41	3807661.91	7.87991	(09030119)	464763.41	3807661.91	7.85657	(09030119)
464783.41	3807661.91	7.87017	(09030119)	464803.41	3807661.91	7.88048	(09030119)
464823.41	3807661.91	7.95250	(09030119)	464843.41	3807661.91	7.97980	(09030119)
464863.41	3807661.91	8.02916	(09030119)	464883.41	3807661.91	8.03283	(09030119)
464903.41	3807661.91	8.05551	(09030119)	464923.41	3807661.91	8.03629	(09030119)
464503.41	3807681.91	7.28914	(09030119)	464523.41	3807681.91	7.46982	(09030119)
464543.41	3807681.91	7.64340	(09030119)	464563.41	3807681.91	7.80915	(09030119)
464583.41	3807681.91	7.96636	(09030119)	464603.41	3807681.91	7.93210	(09030119)
464623.41	3807681.91	7.92494	(09030119)	464643.41	3807681.91	8.00985	(09030119)
464663.41	3807681.91	7.97354	(09030119)	464683.41	3807681.91	7.77261	(09030119)
464703.41	3807681.91	7.85718	(09030119)	464723.41			

3807681.91 7.98004 (09030119)
  464743.41 3807681.91 8.05082 (09030119) 464763.41
3807681.91 8.00861 (09030119)
  464783.41 3807681.91 8.01897 (09030119) 464803.41
3807681.91 8.09642 (09030119)
  464823.41 3807681.91 8.10932 (09030119) 464843.41
3807681.91 8.15795 (09030119)
  464863.41 3807681.91 8.16567 (09030119) 464883.41
3807681.91 8.14389 (09030119)
  464903.41 3807681.91 8.15349 (09030119) 464923.41
3807681.91 8.15138 (09030119)
  464523.41 3807701.91 7.51088 (09030119) 464543.41
3807701.91 7.68640 (09030119)
  464563.41 3807701.91 7.85385 (09030119) 464583.41
3807701.91 8.01242 (09030119)
  464603.41 3807701.91 8.10963 (09030119) 464623.41
3807701.91 8.18538 (09030119)
  464643.41 3807701.91 8.08150 (09030119) 464663.41
3807701.91 8.10485 (09030119)
  464683.41 3807701.91 8.05826 (09030119) 464703.41
3807701.91 7.93583 (09030119)
  464723.41 3807701.91 8.00507 (09030119) 464743.41
3807701.91 8.11374 (09030119)
  464763.41 3807701.91 8.20506 (09030119) 464783.41
3807701.91 8.23062 (09030119)
  464803.41 3807701.91 8.24226 (09030119) 464823.41
3807701.91 8.29689 (09030119)
  464843.41 3807701.91 8.28903 (09030119) 464863.41
3807701.91 8.26537 (09030119)
  464883.41 3807701.91 8.27970 (09030119) 464903.41
3807701.91 8.26173 (09030119)
  464923.41 3807701.91 8.19828 (09030119) 464543.41
3807721.91 7.82189 (09030119)
  464563.41 3807721.91 8.12307 (09030119) 464583.41
3807721.91 8.27326 (09030119)
  464603.41 3807721.91 8.41268 (09030119) 464623.41
3807721.91 8.48722 (09030119)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 ,
  L0006361 , L0006362 , L0006363 , L0006364 , L0006365

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, L0006366    , L0006367    , L0006368    ,
                L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464643.41   3807721.91        8.32857  (09030119)               464663.41
3807721.91        8.16500  (09030119)
        464683.41   3807721.91        8.13969  (09030119)               464703.41
3807721.91        8.15477  (09030119)
        464723.41   3807721.91        8.21710  (09030119)               464743.41
3807721.91        8.30911  (09030119)
        464763.41   3807721.91        8.37177  (09030119)               464783.41
3807721.91        8.38803  (09030119)
        464803.41   3807721.91        8.42660  (09030119)               464823.41
3807721.91        8.41831  (09030119)
        464843.41   3807721.91        8.42899  (09030119)               464863.41
3807721.91        8.39672  (09030119)
        464883.41   3807721.91        8.37758  (09030119)               464903.41
3807721.91        8.31781  (09030119)
        464923.41   3807721.91        8.24518  (09030119)               464943.41
3807721.91        8.18268  (09030119)
        464963.41   3807721.91        8.08297  (09030119)               464983.41
3807721.91        7.97124  (09030119)
        465003.41   3807721.91        7.84535  (09030119)               465023.41
3807721.91        7.72865  (09030119)
        465043.41   3807721.91        7.57979  (09030119)               465063.41
3807721.91        7.43653  (09030119)
        465083.41   3807721.91        7.26560  (09030119)               465103.41
3807721.91        7.13458  (09031219)
        465123.41   3807721.91        7.20993  (09031219)               465143.41
3807721.91        7.25627  (09031219)
        465163.41   3807721.91        7.25802  (09031219)               465183.41
3807721.91        7.30561  (09031219)
        465203.41   3807721.91        7.32510  (09031219)               465223.41
3807721.91        7.29724  (09031219)
        465243.41   3807721.91        7.25678  (09031219)               465263.41
3807721.91        7.23360  (09031219)
        465283.41   3807721.91        7.17961  (09031219)               465303.41
3807721.91        7.16292  (09031219)
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        465323.41   3807721.91        7.11229  (09031219)                465343.41
3807721.91        7.02346  (09031219)
        465363.41   3807721.91        6.97269  (09031219)                465383.41
3807721.91        6.85847  (10020118)
        464543.41   3807741.91        7.62210  (09030119)                464563.41
3807741.91        8.26589  (09030119)
        464583.41   3807741.91        8.47289  (09030119)                464603.41
3807741.91        8.61008  (09030119)
        464623.41   3807741.91        8.67658  (09030119)                464643.41
3807741.91        8.55390  (09030119)
        464663.41   3807741.91        8.30070  (09030119)                464683.41
3807741.91        8.26323  (09030119)
        464703.41   3807741.91        8.36908  (09030119)                464723.41
3807741.91        8.45599  (09030119)
        464743.41   3807741.91        8.52287  (09030119)                464763.41
3807741.91        8.52461  (09030119)
        464783.41   3807741.91        8.56154  (09030119)                464803.41
3807741.91        8.55591  (09030119)
        464823.41   3807741.91        8.52202  (09030119)                464843.41
3807741.91        8.52225  (09030119)
        464863.41   3807741.91        8.50945  (09030119)                464883.41
3807741.91        8.42886  (09030119)
        464903.41   3807741.91        8.38113  (09030119)                464923.41
3807741.91        8.29914  (09030119)
        464943.41   3807741.91        8.17812  (09030119)                464963.41
3807741.91        8.06573  (09030119)
        464983.41   3807741.91        7.96681  (09030119)                465003.41
3807741.91        7.80684  (09030119)
        465023.41   3807741.91        7.65281  (09030119)                465043.41
3807741.91        7.51187  (09030119)
        465063.41   3807741.91        7.32414  (09030119)                465083.41
3807741.91        7.27549  (09031219)
        465103.41   3807741.91        7.34528  (09031219)                465123.41
3807741.91        7.39640  (09031219)
        465143.41   3807741.91        7.38377  (09031219)                465163.41
3807741.91        7.35834  (09031219)
        465183.41   3807741.91        7.38060  (09031219)                465203.41
3807741.91        7.39810  (09031219)
        465223.41   3807741.91        7.37395  (09031219)                465243.41
3807741.91        7.32767  (09031219)
        465263.41   3807741.91        7.27495  (09031219)                465283.41
3807741.91        7.24975  (09031219)
        465303.41   3807741.91        7.20242  (09031219)                465323.41
3807741.91        7.07494  (09031219)
        465343.41   3807741.91        6.93412  (09031219)                465363.41
3807741.91        6.90767  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 ,
L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 ,
L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 ,
L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465383.41	3807741.91	6.92230	(10020118)	464543.41	3807761.91	7.44475	(09030119)
464563.41	3807761.91	7.88952	(09030119)	464583.41	3807761.91	8.28896	(09030119)
464603.41	3807761.91	8.66114	(09030119)	464623.41	3807761.91	8.72381	(09030119)
464643.41	3807761.91	8.45723	(09030119)	464663.41	3807761.91	8.46757	(09030119)
464683.41	3807761.91	8.52419	(09030119)	464703.41	3807761.91	8.61176	(09030119)
464723.41	3807761.91	8.66486	(09030119)	464743.41	3807761.91	8.66455	(09030119)
464763.41	3807761.91	8.70585	(09030119)	464783.41	3807761.91	8.68497	(09030119)
464803.41	3807761.91	8.64843	(09030119)	464823.41	3807761.91	8.64739	(09030119)
464843.41	3807761.91	8.63204	(09030119)	464863.41	3807761.91	8.59675	(09030119)
464883.41	3807761.91	8.49894	(09030119)	464903.41	3807761.91	8.42936	(09030119)
464923.41	3807761.91	8.32653	(09030119)	464943.41	3807761.91	8.18845	(09030119)
464963.41	3807761.91	8.05651	(09030119)	464983.41	3807761.91	7.93632	(09030119)
465003.41	3807761.91	7.76068	(09030119)	465023.41			

3807761.91 7.57460 (09030119)
465043.41 3807761.91 7.38344 (09030119) 465063.41
3807761.91 7.42000 (09031219)
465083.41 3807761.91 7.48467 (09031219) 465103.41
3807761.91 7.53354 (09031219)
465123.41 3807761.91 7.50232 (09031219) 465143.41
3807761.91 7.48946 (09031219)
465163.41 3807761.91 7.50295 (09031219) 465183.41
3807761.91 7.44183 (09031219)
465203.41 3807761.91 7.43110 (09031219) 465223.41
3807761.91 7.39740 (09031219)
465243.41 3807761.91 7.37160 (09031219) 465263.41
3807761.91 7.33847 (09031219)
465283.41 3807761.91 7.28673 (09031219) 465303.41
3807761.91 7.13791 (09031219)
465323.41 3807761.91 7.01557 (10020118) 465343.41
3807761.91 7.02449 (10020118)
465363.41 3807761.91 6.95727 (10020118) 465383.41
3807761.91 6.91641 (10020118)
464543.41 3807781.91 7.50695 (09030119) 464563.41
3807781.91 7.85439 (09030119)
464583.41 3807781.91 8.10233 (09030119) 464603.41
3807781.91 8.32031 (09030119)
464623.41 3807781.91 8.46701 (09030119) 464643.41
3807781.91 8.58330 (09030119)
464663.41 3807781.91 8.66937 (09030119) 464683.41
3807781.91 8.69886 (09030119)
464703.41 3807781.91 8.77041 (09030119) 464723.41
3807781.91 8.81641 (09030119)
464743.41 3807781.91 8.84180 (09030119) 464763.41
3807781.91 8.81943 (09030119)
464783.41 3807781.91 8.81591 (09030119) 464803.41
3807781.91 8.77109 (09030119)
464823.41 3807781.91 8.75076 (09030119) 464843.41
3807781.91 8.70473 (09030119)
464863.41 3807781.91 8.61426 (09030119) 464883.41
3807781.91 8.53501 (09030119)
464903.41 3807781.91 8.41735 (09030119) 464923.41
3807781.91 8.28682 (09030119)
464943.41 3807781.91 8.14471 (09030119) 464963.41
3807781.91 8.00896 (09030119)
464983.41 3807781.91 7.84185 (09030119) 465003.41
3807781.91 7.68143 (09030119)
465023.41 3807781.91 7.56877 (09031219) 465043.41
3807781.91 7.56063 (09031219)
465063.41 3807781.91 7.62305 (09031219) 465083.41
3807781.91 7.65558 (09031219)
465103.41 3807781.91 7.63919 (09031219) 465123.41
3807781.91 7.61533 (09031219)
465143.41 3807781.91 7.60879 (09031219) 465163.41

3807781.91   7.56279 (09031219)
        465183.41   3807781.91   7.50728 (09031219)   465203.41
3807781.91   7.48638 (09031219)
        465223.41   3807781.91   7.45616 (09031219)   465243.41
3807781.91   7.36429 (09031219)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                   INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                 L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                 L0006369   , L0006370   , L0006371   , L0006372   , L0006373 , L0006374   , L0006375   , L0006376   ,
                 L0006377   , L0006378   , L0006379   , L0006380   , L0006381 , L0006382   , L0006383   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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        464723.41   3807801.91        8.98259  (09030119)              464743.41
3807801.91        8.96113  (09030119)
        464763.41   3807801.91        8.91340  (09030119)              464783.41
3807801.91        8.89712  (09030119)
        464803.41   3807801.91        8.86954  (09030119)              464823.41
3807801.91        8.82098  (09030119)
        464843.41   3807801.91        8.72254  (09030119)              464863.41
3807801.91        8.63244  (09030119)
        464883.41   3807801.91        8.51599  (09030119)              464903.41
3807801.91        8.37727  (09030119)
        464923.41   3807801.91        8.22431  (09030119)              464943.41
3807801.91        8.08965  (09030119)
        464963.41   3807801.91        7.91405  (09030119)              464983.41
3807801.91        7.72522  (09030119)
        465003.41   3807801.91        7.73990  (09031219)              465023.41
3807801.91        7.77352  (09031219)
        465043.41   3807801.91        7.76029  (09031219)              465063.41
3807801.91        7.79636  (09031219)
        465083.41   3807801.91        7.76922  (09031219)              465103.41
3807801.91        7.72875  (09031219)
        465123.41   3807801.91        7.73339  (09031219)              465143.41
3807801.91        7.67574  (09031219)
        465163.41   3807801.91        7.60373  (09031219)              465183.41
3807801.91        7.58451  (09031219)
        465203.41   3807801.91        7.54435  (09031219)              465223.41
3807801.91        7.48140  (09031219)
        465243.41   3807801.91        7.31213  (09031219)              465263.41
3807801.91        7.22128  (10020118)
        465283.41   3807801.91        7.24143  (10020118)              465303.41
3807801.91        7.24098  (10020118)
        465323.41   3807801.91        7.17699  (10020118)              465343.41
3807801.91        7.09821  (10020118)
        465363.41   3807801.91        7.07760  (10020118)              465383.41
3807801.91        7.03667  (10020118)
        464543.41   3807821.91        7.61151  (09030119)              464563.41
3807821.91        7.87088  (09030119)
        464583.41   3807821.91        8.19661  (09030119)              464603.41
3807821.91        8.55070  (09030119)
        464623.41   3807821.91        8.82205  (09030119)              464643.41
3807821.91        8.98636  (09030119)
        464663.41   3807821.91        9.05825  (09030119)              464683.41
3807821.91        9.10124  (09030119)
        464703.41   3807821.91        9.13036  (09030119)              464723.41
3807821.91        9.09556  (09030119)
        464743.41   3807821.91        9.04431  (09030119)              464763.41
3807821.91        9.02512  (09030119)
        464783.41   3807821.91        8.99025  (09030119)              464803.41
3807821.91        8.93573  (09030119)
        464823.41   3807821.91        8.82684  (09030119)              464843.41
3807821.91        8.73728  (09030119)
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3807821.91        7.35338  (10020118)
        465303.41   3807821.91        7.26703  (10020118)                465323.41
3807821.91        7.19958  (10020118)
        465343.41   3807821.91        7.16451  (10020118)                465363.41
3807821.91        7.12482  (10020118)
        465383.41   3807821.91        7.01150  (10020118)                464543.41
3807841.91        7.50321  (09030119)
        464563.41   3807841.91        7.77865  (09030119)                464583.41
3807841.91        8.19082  (09030119)
        464603.41   3807841.91        8.53273  (09030119)                464623.41
3807841.91        8.91042  (09030119)
        464643.41   3807841.91        9.06568  (09030119)                464663.41
3807841.91        9.14066  (09030119)
        464683.41   3807841.91        9.22068  (09030119)                464723.41
3807841.91        9.21446  (09030119)
        464743.41   3807841.91        9.15193  (09030119)                464763.41
3807841.91        9.11081  (09030119)
        464783.41   3807841.91        9.04582  (09030119)                464803.41
3807841.91        8.93760  (09030119)
        464823.41   3807841.91        8.83961  (09030119)                464843.41
3807841.91        8.70382  (09030119)
        464863.41   3807841.91        8.55504  (09030119)                464883.41
3807841.91        8.39436  (09030119)
        464903.41   3807841.91        8.23935  (09030119)                464923.41
3807841.91        8.05381  (09030119)
        464943.41   3807841.91        8.02971  (09031219)                464963.41
3807841.91        8.03137  (09031219)
        464983.41   3807841.91        8.05994  (09031219)                465003.41
3807841.91        8.04740  (09031219)
        465023.41   3807841.91        8.05581  (09031219)                465043.41
3807841.91        8.02325  (09031219)
        465063.41   3807841.91        7.98247  (09031219)                465083.41
3807841.91        7.95731  (09031219)
        465103.41   3807841.91        7.89304  (09031219)                465123.41
3807841.91        7.81855  (09031219)
        465143.41   3807841.91        7.75504  (09031219)                465163.41
3807841.91        7.65912  (09031219)
        465183.41   3807841.91        7.59976  (09031219)                465203.41
3807841.91        7.49578  (10020118)
        465223.41   3807841.91        7.45763  (10020118)                465243.41
3807841.91        7.40673  (10020118)
        465263.41   3807841.91        7.39397  (10020118)                465283.41
3807841.91        7.37559  (10020118)
        465303.41   3807841.91        7.29446  (10020118)                465323.41
3807841.91        7.24856  (10020118)
        465343.41   3807841.91        7.19474  (10020118)                465363.41
3807841.91        7.07785  (10020118)
        465383.41   3807841.91        6.97323  (10020118)                464503.41
3807861.91        7.26698  (09030119)
        464523.41   3807861.91        7.31570  (09030119)                464543.41
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3807861.91 7.42831 (09030119)
  464563.41 3807861.91 7.56795 (09030119) 464583.41
3807861.91 8.08881 (09030119)
  464603.41 3807861.91 8.50067 (09030119) 464723.41
3807861.91 9.28050 (09030119)
  464743.41 3807861.91 9.23174 (09030119) 464763.41
3807861.91 9.16439 (09030119)
  464783.41 3807861.91 9.07172 (09030119) 464803.41
3807861.91 8.93797 (09030119)
  464823.41 3807861.91 8.80047 (09030119) 464843.41
3807861.91 8.64388 (09030119)
  464863.41 3807861.91 8.47344 (09030119) 464883.41
3807861.91 8.31679 (09030119)
  464903.41 3807861.91 8.14344 (09031219) 464923.41
3807861.91 8.13834 (09031219)
  464943.41 3807861.91 8.18733 (09031219) 464963.41
3807861.91 8.20553 (09031219)
  464983.41 3807861.91 8.17729 (09031219) 465003.41
3807861.91 8.19505 (09031219)
  465023.41 3807861.91 8.15144 (09031219) 465043.41
3807861.91 8.09411 (09031219)
  465063.41 3807861.91 8.07805 (09031219) 465083.41
3807861.91 8.00188 (09031219)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 ,
  L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 ,
  L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 ,
  L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

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        465323.41   3807881.91        7.15516  (10020118)               465343.41
3807881.91        7.04714  (10020118)
        465363.41   3807881.91        6.94160  (10020118)               465383.41
3807881.91        6.78775  (10020118)
        464723.41   3807901.91        9.35749  (09030119)               464743.41
3807901.91        9.28736  (09030119)
        464763.41   3807901.91        9.16671  (09030119)               464783.41
3807901.91        9.01091  (09030119)
        464803.41   3807901.91        8.84191  (09030119)               464823.41
3807901.91        8.65728  (09030119)
        464843.41   3807901.91        8.48146  (09031219)               464863.41
3807901.91        8.53326  (09031219)
        464883.41   3807901.91        8.50302  (09031219)               464903.41
3807901.91        8.48022  (09031219)
        464923.41   3807901.91        8.49117  (09031219)               464943.41
3807901.91        8.46132  (09031219)
        464963.41   3807901.91        8.46671  (09031219)               464983.41
3807901.91        8.45835  (09031219)
        465003.41   3807901.91        8.34795  (09031219)               465023.41
3807901.91        8.29372  (09031219)
        465043.41   3807901.91        8.20914  (09031219)               465063.41
3807901.91        8.11367  (09031219)
        465083.41   3807901.91        8.02707  (09031219)               465103.41
3807901.91        7.88341  (09031219)
        465123.41   3807901.91        7.84416  (10020118)               465143.41
3807901.91        7.79458  (10020118)
        465163.41   3807901.91        7.73415  (10020118)               465183.41
3807901.91        7.66350  (10020118)
        465203.41   3807901.91        7.62959  (10020118)               465223.41
3807901.91        7.58666  (10020118)
        465243.41   3807901.91        7.47789  (10020118)               465263.41
3807901.91        7.40491  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 574
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK31  ***
                                  INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                 L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                 L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                 L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465283.41	3807901.91	7.32702	(10020118)	465303.41	3807901.91	7.18778	(10020118)
465323.41	3807901.91	7.05540	(10020118)	465343.41	3807901.91	6.88267	(10020118)
465363.41	3807901.91	6.76932	(10020118)	465383.41	3807901.91	6.60381	(10020118)
464723.41	3807921.91	9.33014	(09030119)	464743.41	3807921.91	9.26330	(09030119)
464763.41	3807921.91	9.10057	(09030119)	464783.41	3807921.91	8.92511	(09030119)
464803.41	3807921.91	8.75464	(09030119)	464823.41	3807921.91	8.69890	(09031219)
464843.41	3807921.91	8.69398	(09031219)	464863.41	3807921.91	8.72122	(09031219)
464883.41	3807921.91	8.67908	(09031219)	464903.41	3807921.91	8.63492	(09031219)
464923.41	3807921.91	8.59113	(09031219)	464943.41	3807921.91	8.59508	(09031219)
464963.41	3807921.91	8.57983	(09031219)	464983.41	3807921.91	8.51789	(09031219)
465003.41	3807921.91	8.41903	(09031219)	465023.41	3807921.91	8.31158	(09031219)
465043.41	3807921.91	8.19846	(09031219)	465063.41	3807921.91	8.11944	(09031219)
465083.41	3807921.91	8.01896	(10020118)	465103.41	3807921.91	7.93158	(10020118)
465123.41	3807921.91	7.92290	(10020118)	465143.41	3807921.91	7.84928	(10020118)
465163.41	3807921.91	7.75801	(10020118)	465183.41	3807921.91	7.71223	(10020118)
465203.41	3807921.91	7.66118	(10020118)	465223.41	3807921.91	7.59329	(10020118)
465243.41	3807921.91	7.44485	(10020118)	465263.41	3807921.91	7.31217	(10020118)
465283.41	3807921.91	7.20769	(10020118)	465303.41	3807921.91	7.10484	(10020118)
465323.41	3807921.91	6.91535	(10020118)	465343.41	3807921.91	6.57718	(10020118)
465363.41	3807921.91	6.44281	(10020118)	465383.41			

3807921.91 6.24976 (10020118)
  464723.41 3807941.91 9.21636 (09030119) 464743.41
3807941.91 9.14804 (09030119)
  464763.41 3807941.91 9.00721 (09030119) 464783.41
3807941.91 8.88198 (09031219)
  464803.41 3807941.91 8.86035 (09031219) 464823.41
3807941.91 8.85966 (09031219)
  464843.41 3807941.91 8.83343 (09031219) 464863.41
3807941.91 8.82571 (09031219)
  464883.41 3807941.91 8.73836 (09031219) 464903.41
3807941.91 8.73046 (09031219)
  464923.41 3807941.91 8.72164 (09031219) 464943.41
3807941.91 8.70257 (09031219)
  464963.41 3807941.91 8.62439 (09031219) 464983.41
3807941.91 8.52384 (09031219)
  465003.41 3807941.91 8.40388 (09031219) 465023.41
3807941.91 8.29602 (09031219)
  465043.41 3807941.91 8.23874 (10020118) 465063.41
3807941.91 8.14155 (10020118)
  465083.41 3807941.91 8.06505 (10020118) 465103.41
3807941.91 8.04516 (10020118)
  465123.41 3807941.91 7.94930 (10020118) 465143.41
3807941.91 7.86938 (10020118)
  465163.41 3807941.91 7.81109 (10020118) 465183.41
3807941.91 7.67315 (10020118)
  465203.41 3807941.91 7.58687 (10020118) 465223.41
3807941.91 7.48390 (10020118)
  465243.41 3807941.91 7.38426 (10020118) 465263.41
3807941.91 7.23484 (10020118)
  465283.41 3807941.91 6.99245 (10020118) 465303.41
3807941.91 6.86960 (10020118)
  465323.41 3807941.91 6.68286 (10020118) 465343.41
3807941.91 6.45292 (10020118)
  465363.41 3807941.91 6.30230 (10020118) 465383.41
3807941.91 6.05396 (10020118)
  465403.41 3807941.91 5.81245 (10020118) 465423.41
3807941.91 5.64239 (10020118)
  465443.41 3807941.91 5.51241 (10102019) 465463.41
3807941.91 5.50330 (10102019)
  465483.41 3807941.91 5.46415 (10102019) 465503.41
3807941.91 5.42676 (10102019)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCK31 ***
                                INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                L0006361   , L0006362   , L0006363   , L0006364   , L0006365
, L0006366   , L0006367   , L0006368   ,
                L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465523.41   3807941.91   5.37637 (10102019)   465543.41
3807941.91   5.24682 (10102019)
        465563.41   3807941.91   5.14794 (10102019)   465583.41
3807941.91   5.08666 (10102019)
        465603.41   3807941.91   5.02976 (10102019)   465623.41
3807941.91   4.90669 (10102019)
        465643.41   3807941.91   4.77026 (10102019)   465663.41
3807941.91   4.69248 (10102019)
        465683.41   3807941.91   4.53791 (10102019)   465703.41
3807941.91   4.37999 (10102019)
        464723.41   3807961.91   9.02855 (09030119)   464743.41
3807961.91   9.02076 (09030119)
        464763.41   3807961.91   8.98138 (09031219)   464783.41
3807961.91   9.03394 (09031219)
        464803.41   3807961.91   9.01244 (09031219)   464823.41
3807961.91   8.98325 (09031219)
        464843.41   3807961.91   8.98330 (09031219)   464863.41
3807961.91   8.93886 (09031219)
        464883.41   3807961.91   8.87156 (09031219)   464903.41
3807961.91   8.84606 (09031219)
        464923.41   3807961.91   8.81486 (09031219)   464943.41
3807961.91   8.73117 (09031219)
        464963.41   3807961.91   8.66145 (09031219)   464983.41
3807961.91   8.55352 (09031219)
        465003.41   3807961.91   8.41760 (10020118)   465023.41
3807961.91   8.38263 (10020118)
        465043.41   3807961.91   8.37597 (10020118)   465063.41
3807961.91   8.22994 (10020118)
        465083.41   3807961.91   8.14910 (10020118)   465103.41
3807961.91   8.06593 (10020118)

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        465123.41   3807961.91        7.97172  (10020118)              465143.41
3807961.91        7.88795  (10020118)
        465163.41   3807961.91        7.76575  (10020118)              465183.41
3807961.91        7.63288  (10020118)
        465203.41   3807961.91        7.50746  (10020118)              465223.41
3807961.91        7.33877  (10020118)
        465243.41   3807961.91        7.22859  (10020118)              465263.41
3807961.91        7.06516  (10020118)
        465283.41   3807961.91        6.75338  (10020118)              465303.41
3807961.91        6.60959  (10020118)
        465323.41   3807961.91        6.39276  (10020118)              465343.41
3807961.91        6.19481  (10020118)
        465363.41   3807961.91        6.03169  (10020118)              465383.41
3807961.91        5.83452  (10020118)
        465403.41   3807961.91        5.61242  (10020118)              465423.41
3807961.91        5.52272  (10102019)
        465443.41   3807961.91        5.48155  (10102019)              465463.41
3807961.91        5.52452  (10102019)
        465483.41   3807961.91        5.42208  (10102019)              465503.41
3807961.91        5.36541  (10102019)
        465523.41   3807961.91        5.30905  (10102019)              465543.41
3807961.91        5.19687  (10102019)
        465563.41   3807961.91        5.12763  (10102019)              465583.41
3807961.91        5.03833  (10102019)
        465603.41   3807961.91        4.93377  (10102019)              465623.41
3807961.91        4.80914  (10102019)
        465643.41   3807961.91        4.68368  (10102019)              465663.41
3807961.91        4.55062  (10102019)
        465683.41   3807961.91        4.42296  (10102019)              465703.41
3807961.91        4.30230  (10102019)
        464743.41   3807981.91        8.82775  (09030119)              464763.41
3807981.91        9.05325  (09031219)
        464783.41   3807981.91        9.15622  (09031219)              464803.41
3807981.91        9.17179  (09031219)
        464823.41   3807981.91        9.11442  (09031219)              464843.41
3807981.91        9.07065  (09031219)
        464863.41   3807981.91        9.05113  (09031219)              464883.41
3807981.91        8.96892  (09031219)
        464903.41   3807981.91        8.92124  (09031219)              464923.41
3807981.91        8.84189  (09031219)
        464943.41   3807981.91        8.73237  (09031219)              464963.41
3807981.91        8.64393  (09031219)
        464983.41   3807981.91        8.59276  (10020118)              465003.41
3807981.91        8.55802  (10020118)
        465023.41   3807981.91        8.50216  (10020118)              465043.41
3807981.91        8.46736  (10020118)
        465063.41   3807981.91        8.32029  (10020118)              465083.41
3807981.91        8.18101  (10020118)
        465103.41   3807981.91        8.05874  (10020118)              465123.41
3807981.91        7.99690  (10020118)
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                    INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                  L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                  L0006369   , L0006370   , L0006371   , L0006372   , L0006373 , L0006374   , L0006375   , L0006376   ,
                  L0006377   , L0006378   , L0006379   , L0006380   , L0006381 , L0006382   , L0006383   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3807981.91 5.05498 (10102019)
465583.41 3807981.91 4.97184 (10102019) 465603.41
3807981.91 4.81985 (10102019)
465623.41 3807981.91 4.69650 (10102019) 465643.41
3807981.91 4.57391 (10102019)
465663.41 3807981.91 4.40328 (10102019) 465683.41
3807981.91 4.30568 (10102019)
465703.41 3807981.91 4.22149 (10102019) 464763.41
3808001.91 9.03935 (09031219)
464783.41 3808001.91 9.20393 (09031219) 464803.41
3808001.91 9.25575 (09031219)
464823.41 3808001.91 9.15491 (09031219) 464843.41
3808001.91 9.12638 (09031219)
464863.41 3808001.91 9.08793 (09031219) 464883.41
3808001.91 8.98749 (09031219)
464903.41 3808001.91 8.89637 (09031219) 464923.41
3808001.91 8.82454 (09031219)
464943.41 3808001.91 8.77668 (10020118) 464963.41
3808001.91 8.72252 (10020118)
464983.41 3808001.91 8.65470 (10020118) 465003.41
3808001.91 8.63155 (10020118)
465023.41 3808001.91 8.54753 (10020118) 465043.41
3808001.91 8.42294 (10020118)
465063.41 3808001.91 8.34204 (10020118) 465083.41
3808001.91 8.22086 (10020118)
465103.41 3808001.91 8.07868 (10020118) 465123.41
3808001.91 7.99279 (10020118)
465143.41 3808001.91 7.83256 (10020118) 465163.41
3808001.91 7.63710 (10020118)
465183.41 3808001.91 7.41626 (10020118) 465203.41
3808001.91 7.16831 (10020118)
465223.41 3808001.91 6.93636 (10020118) 465243.41
3808001.91 6.78245 (10020118)
465263.41 3808001.91 6.62028 (10020118) 465283.41
3808001.91 6.39556 (10020118)
465303.41 3808001.91 6.16129 (10020118) 465323.41
3808001.91 5.92338 (10020118)
465343.41 3808001.91 5.80219 (10102019) 465363.41
3808001.91 5.68099 (10102019)
465383.41 3808001.91 5.62571 (10102019) 465403.41
3808001.91 5.55792 (10102019)
465423.41 3808001.91 5.50278 (10102019) 465443.41
3808001.91 5.44907 (10102019)
465463.41 3808001.91 5.43098 (10102019) 465483.41
3808001.91 5.33632 (10102019)
465503.41 3808001.91 5.26746 (10102019) 465523.41
3808001.91 5.16540 (10102019)
465543.41 3808001.91 5.00927 (10102019) 465563.41
3808001.91 4.91220 (10102019)
465583.41 3808001.91 4.83179 (10102019) 465603.41

3808001.91   4.73866 (10102019)
        465623.41   3808001.91   4.57016 (10102019)   465643.41
3808001.91   4.40285 (10102019)
        465663.41   3808001.91   4.30802 (10102019)   465683.41
3808001.91   4.21853 (10102019)
        465703.41   3808001.91   4.12107 (10102019)   464763.41
3808021.91   8.86246 (09031219)
        464783.41   3808021.91   9.09374 (09031219)   464803.41
3808021.91   9.21359 (09031219)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31 ***
                                  INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                L0006361   , L0006362   , L0006363   , L0006364   , L0006365
, L0006366   , L0006367   , L0006368   ,
                L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        464823.41   3808021.91   9.19344 (09031219)   464843.41
3808021.91   9.15636 (09031219)
        464863.41   3808021.91   9.10019 (09031219)   464883.41
3808021.91   8.99647 (09031219)
        464903.41   3808021.91   8.90090 (09031219)   464923.41
3808021.91   8.85127 (10020118)
        464943.41   3808021.91   8.84730 (10020118)   464963.41
3808021.91   8.81746 (10020118)
        464983.41   3808021.91   8.74305 (10020118)   465003.41
3808021.91   8.65525 (10020118)
        465023.41   3808021.91   8.53537 (10020118)   465043.41
3808021.91   8.42963 (10020118)

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        465063.41   3808021.91        8.30921  (10020118)              465083.41
3808021.91        8.19866  (10020118)
        465103.41   3808021.91        8.05391  (10020118)              465123.41
3808021.91        7.89372  (10020118)
        465143.41   3808021.91        7.74166  (10020118)              465163.41
3808021.91        7.55484  (10020118)
        465183.41   3808021.91        7.28574  (10020118)              465203.41
3808021.91        6.95197  (10020118)
        465223.41   3808021.91        6.73784  (10020118)              465243.41
3808021.91        6.52250  (10020118)
        465263.41   3808021.91        6.33619  (10020118)              465283.41
3808021.91        6.15052  (10020118)
        465303.41   3808021.91        5.93896  (10102019)              465323.41
3808021.91        5.87206  (10102019)
        465343.41   3808021.91        5.77161  (10102019)              465363.41
3808021.91        5.66742  (10102019)
        465383.41   3808021.91        5.61032  (10102019)              465403.41
3808021.91        5.53283  (10102019)
        465423.41   3808021.91        5.43498  (10102019)              465443.41
3808021.91        5.33635  (10102019)
        465463.41   3808021.91        5.34595  (10102019)              465483.41
3808021.91        5.23497  (10102019)
        465503.41   3808021.91        5.12701  (10102019)              465523.41
3808021.91        5.04189  (10102019)
        465543.41   3808021.91        4.92513  (10102019)              465563.41
3808021.91        4.78586  (10102019)
        465583.41   3808021.91        4.62976  (10102019)              465603.41
3808021.91        4.54263  (10102019)
        465623.41   3808021.91        4.43161  (10102019)              465643.41
3808021.91        4.30029  (10102019)
        465663.41   3808021.91        4.20949  (10102019)              465683.41
3808021.91        4.08088  (10102019)
        465703.41   3808021.91        3.93466  (10102019)              464783.41
3808041.91        8.87841  (09031219)
        464803.41   3808041.91        9.12886  (09031219)              464823.41
3808041.91        9.16717  (09031219)
        464843.41   3808041.91        9.12817  (09031219)              464863.41
3808041.91        9.08290  (09031219)
        464883.41   3808041.91        9.04471  (10020118)              464903.41
3808041.91        8.98966  (10020118)
        464923.41   3808041.91        8.92057  (10020118)              464943.41
3808041.91        8.89720  (10020118)
        464963.41   3808041.91        8.85977  (10020118)              464983.41
3808041.91        8.80220  (10020118)
        465003.41   3808041.91        8.63087  (10020118)              465023.41
3808041.91        8.51685  (10020118)
        465043.41   3808041.91        8.41904  (10020118)              465063.41
3808041.91        8.26255  (10020118)
        465083.41   3808041.91        8.11238  (10020118)              465103.41
3808041.91        7.97436  (10020118)
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        465123.41   3808041.91        7.77561  (10020118)               465143.41
3808041.91        7.58981  (10020118)
        465163.41   3808041.91        7.41706  (10020118)               465183.41
3808041.91        7.14355  (10020118)
        465203.41   3808041.91        6.73399  (10020118)               465223.41
3808041.91        6.53658  (10020118)
        465243.41   3808041.91        6.25434  (10020118)               465263.41
3808041.91        6.04699  (10020118)
        465283.41   3808041.91        5.99483  (10102019)               465303.41
3808041.91        5.95929  (10102019)
        465323.41   3808041.91        5.84988  (10102019)               465343.41
3808041.91        5.72262  (10102019)
        465363.41   3808041.91        5.63585  (10102019)               465383.41
3808041.91        5.57183  (10102019)
        465403.41   3808041.91        5.49780  (10102019)               465423.41
3808041.91        5.34492  (10102019)
        465443.41   3808041.91        5.25202  (10102019)               465463.41
3808041.91        5.27787  (10102019)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 578
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK31  ***
                                  INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465483.41   3808041.91        5.11655  (10102019)               465503.41
3808041.91        4.98471  (10102019)
        465523.41   3808041.91        4.88809  (10102019)               465543.41
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3808041.91 4.79956 (10102019)
465563.41 3808041.91 4.62921 (10102019) 465583.41
3808041.91 4.47649 (10102019)
465603.41 3808041.91 4.38478 (10102019) 465623.41
3808041.91 4.29125 (10102019)
465643.41 3808041.91 4.19440 (10102019) 465663.41
3808041.91 4.08680 (10102019)
465683.41 3808041.91 3.91697 (10102019) 465703.41
3808041.91 3.77354 (10102019)
464803.41 3808061.91 8.97103 (09031219) 464823.41
3808061.91 9.00583 (09031219)
464843.41 3808061.91 9.07855 (09031219) 464863.41
3808061.91 9.11736 (10020118)
464883.41 3808061.91 9.10841 (10020118) 464903.41
3808061.91 9.05457 (10020118)
464923.41 3808061.91 9.01646 (10020118) 464943.41
3808061.91 8.96809 (10020118)
464963.41 3808061.91 8.90533 (10020118) 464983.41
3808061.91 8.82325 (10020118)
465003.41 3808061.91 8.64027 (10020118) 465023.41
3808061.91 8.46571 (10020118)
465043.41 3808061.91 8.30342 (10020118) 465063.41
3808061.91 8.17720 (10020118)
465083.41 3808061.91 7.99330 (10020118) 465103.41
3808061.91 7.78935 (10020118)
465123.41 3808061.91 7.62856 (10020118) 465143.41
3808061.91 7.42332 (10020118)
465163.41 3808061.91 7.08934 (10020118) 465183.41
3808061.91 6.80795 (10020118)
465203.41 3808061.91 6.50102 (10020118) 465223.41
3808061.91 6.22855 (10020118)
465243.41 3808061.91 6.14317 (10102019) 465263.41
3808061.91 6.03140 (10102019)
465283.41 3808061.91 5.93422 (10102019) 465303.41
3808061.91 5.88640 (10102019)
465323.41 3808061.91 5.79893 (10102019) 465343.41
3808061.91 5.69960 (10102019)
465363.41 3808061.91 5.54192 (10102019) 465383.41
3808061.91 5.45167 (10102019)
465403.41 3808061.91 5.37615 (10102019) 465423.41
3808061.91 5.28776 (10102019)
465443.41 3808061.91 5.20249 (10102019) 465463.41
3808061.91 5.13162 (10102019)
465483.41 3808061.91 5.03093 (10102019) 465503.41
3808061.91 4.85120 (10102019)
465523.41 3808061.91 4.67371 (10102019) 465543.41
3808061.91 4.58091 (10102019)
465563.41 3808061.91 4.48003 (10102019) 465583.41
3808061.91 4.37575 (10102019)
465603.41 3808061.91 4.27782 (10102019) 465623.41

3808061.91   4.17860 (10102019)
        465643.41   3808061.91   4.06996 (10102019)   465663.41
3808061.91   3.88476 (10102019)
        465683.41   3808061.91   3.75504 (10102019)   465703.41
3808061.91   3.65282 (10102019)
        464823.41   3808081.91   8.96032 (09031219)   464843.41
3808081.91   8.96122 (10020118)
        464863.41   3808081.91   9.01774 (10020118)   464883.41
3808081.91   9.08192 (10020118)
        464903.41   3808081.91   9.11571 (10020118)   464923.41
3808081.91   9.07129 (10020118)
        464943.41   3808081.91   8.99700 (10020118)   464963.41
3808081.91   8.89842 (10020118)
        464983.41   3808081.91   8.74542 (10020118)   465003.41
3808081.91   8.60032 (10020118)
        465023.41   3808081.91   8.41145 (10020118)   465043.41
3808081.91   8.22386 (10020118)
        465063.41   3808081.91   8.08002 (10020118)   465083.41
3808081.91   7.87417 (10020118)
        465103.41   3808081.91   7.64020 (10020118)   465123.41
3808081.91   7.43207 (10020118)
        465143.41   3808081.91   7.16050 (10020118)   465163.41
3808081.91   6.71464 (10020118)
        465183.41   3808081.91   6.47877 (10020118)   465203.41
3808081.91   6.31145 (10102019)
        465223.41   3808081.91   6.22321 (10102019)   465243.41
3808081.91   6.11220 (10102019)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                    INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                L0006369   , L0006370   , L0006371   , L0006372   , L0006373 , L0006374   , L0006375   , L0006376   ,
                L0006377   , L0006378   , L0006379   , L0006380   , L0006381 , L0006382   , L0006383   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465263.41	3808081.91	6.02440	(10102019)	465283.41	3808081.91	5.91223	(10102019)
465303.41	3808081.91	5.85215	(10102019)	465323.41	3808081.91	5.73666	(10102019)
465343.41	3808081.91	5.60114	(10102019)	465363.41	3808081.91	5.48728	(10102019)
465383.41	3808081.91	5.39550	(10102019)	465403.41	3808081.91	5.28397	(10102019)
465423.41	3808081.91	5.13254	(10102019)	465443.41	3808081.91	5.00998	(10102019)
465463.41	3808081.91	5.01214	(10102019)	465483.41	3808081.91	4.85288	(10102019)
465503.41	3808081.91	4.70382	(10102019)	465523.41	3808081.91	4.55634	(10102019)
465543.41	3808081.91	4.40675	(10102019)	465563.41	3808081.91	4.27154	(10102019)
465583.41	3808081.91	4.17214	(10102019)	465603.41	3808081.91	4.07175	(10102019)
465623.41	3808081.91	3.97067	(10102019)	465643.41	3808081.91	3.86458	(10102019)
465663.41	3808081.91	3.72768	(10102019)	465683.41	3808081.91	3.62131	(10102019)
465703.41	3808081.91	3.51863	(10102019)	464843.41	3808101.91	9.00257	(10020118)
464863.41	3808101.91	9.00771	(10020118)	464883.41	3808101.91	9.07368	(10020118)
464903.41	3808101.91	9.09524	(10020118)	464923.41	3808101.91	9.07528	(10020118)
464943.41	3808101.91	8.97526	(10020118)	464963.41	3808101.91	8.81399	(10020118)
464983.41	3808101.91	8.63590	(10020118)	465003.41	3808101.91	8.49567	(10020118)
465023.41	3808101.91	8.31124	(10020118)	465043.41	3808101.91	8.10957	(10020118)
465063.41	3808101.91	7.93304	(10020118)	465083.41	3808101.91	7.70392	(10020118)
465103.41	3808101.91	7.44856	(10020118)	465123.41	3808101.91	7.14680	(10020118)
465143.41	3808101.91	6.75067	(10020118)	465163.41	3808101.91	6.57241	(10102019)
465183.41	3808101.91	6.38518	(10102019)	465203.41	3808101.91	6.30640	(10102019)
465223.41	3808101.91	6.20541	(10102019)	465243.41	3808101.91	6.08620	(10102019)

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        465263.41   3808101.91        5.97677  (10102019)               465283.41
3808101.91        5.90684  (10102019)
        465303.41   3808101.91        5.79619  (10102019)               465323.41
3808101.91        5.64601  (10102019)
        465343.41   3808101.91        5.48636  (10102019)               465363.41
3808101.91        5.38574  (10102019)
        465383.41   3808101.91        5.29073  (10102019)               465403.41
3808101.91        5.16251  (10102019)
        465423.41   3808101.91        4.96974  (10102019)               465443.41
3808101.91        4.85425  (10102019)
        465463.41   3808101.91        4.86380  (10102019)               465483.41
3808101.91        4.67307  (10102019)
        465503.41   3808101.91        4.54457  (10102019)               465523.41
3808101.91        4.40639  (10102019)
        465543.41   3808101.91        4.21142  (10102019)               465563.41
3808101.91        4.09501  (10102019)
        465583.41   3808101.91        3.99364  (10102019)               465603.41
3808101.91        3.89182  (10102019)
        465623.41   3808101.91        3.78979  (10102019)               465643.41
3808101.91        3.68638  (10102019)
        465663.41   3808101.91        3.57592  (10102019)               465683.41
3808101.91        3.47278  (10102019)
        465703.41   3808101.91        3.36700  (10102019)               464863.41
3808121.91        9.09114  (10020118)
        464883.41   3808121.91        9.11850  (10020118)               464903.41
3808121.91        9.04577  (10020118)
        464923.41   3808121.91        8.96614  (10020118)               464943.41
3808121.91        8.84642  (10020118)
        464963.41   3808121.91        8.69344  (10020118)               464983.41
3808121.91        8.54011  (10020118)
        465003.41   3808121.91        8.33736  (10020118)               465023.41
3808121.91        8.13974  (10020118)
        465043.41   3808121.91        7.94981  (10020118)               465063.41
3808121.91        7.70653  (10020118)
        465083.41   3808121.91        7.44409  (10020118)               465103.41
3808121.91        7.06806  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 580
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK31  ***
                                  INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
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L0006369 , L0006370 , L0006371 , L0006372 , L0006373
, L0006374 , L0006375 , L0006376 ,
L0006377 , L0006378 , L0006379 , L0006380 , L0006381
, L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465123.41	3808121.91	6.75866	(10102019)	465143.41	3808121.91	6.70820	(10102019)
465163.41	3808121.91	6.62517	(10102019)	465183.41	3808121.91	6.42421	(10102019)
465203.41	3808121.91	6.26900	(10102019)	465223.41	3808121.91	6.12033	(10102019)
465243.41	3808121.91	6.04036	(10102019)	465263.41	3808121.91	5.96147	(10102019)
465283.41	3808121.91	5.84581	(10102019)	465303.41	3808121.91	5.66925	(10102019)
465323.41	3808121.91	5.55003	(10102019)	465343.41	3808121.91	5.41634	(10102019)
465363.41	3808121.91	5.20841	(10102019)	465383.41	3808121.91	5.07139	(10102019)
465403.41	3808121.91	4.97047	(10102019)	465423.41	3808121.91	4.85936	(10102019)
465443.41	3808121.91	4.75262	(10102019)	465463.41	3808121.91	4.65982	(10102019)
465483.41	3808121.91	4.54245	(10102019)	465503.41	3808121.91	4.37999	(10102019)
465523.41	3808121.91	4.18825	(10102019)	465543.41	3808121.91	4.07454	(10102019)
465563.41	3808121.91	3.96690	(10102019)	465583.41	3808121.91	3.86164	(10102019)
465603.41	3808121.91	3.75645	(10102019)	465623.41	3808121.91	3.65156	(10102019)
465643.41	3808121.91	3.54083	(10102019)	465663.41	3808121.91	3.39211	(10102019)
465683.41	3808121.91	3.25524	(10102019)	465703.41	3808121.91	3.15779	(10102019)
464883.41	3808141.91	9.03647	(10020118)	464903.41	3808141.91	8.99872	(10020118)
464923.41	3808141.91	8.88163	(10020118)	464943.41	3808141.91	8.73706	(10020118)
464963.41	3808141.91	8.57895	(10020118)	464983.41			

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3808141.91        8.40384  (10020118)
        465003.41   3808141.91        8.17756  (10020118)                465023.41
3808141.91        7.96227  (10020118)
        465043.41   3808141.91        7.75548  (10020118)                465063.41
3808141.91        7.49032  (10020118)
        465083.41   3808141.91        7.20058  (10020118)                465103.41
3808141.91        6.84925  (10102019)
        465123.41   3808141.91        6.80425  (10102019)                465143.41
3808141.91        6.69676  (10102019)
        465163.41   3808141.91        6.57091  (10102019)                465183.41
3808141.91        6.42136  (10102019)
        465203.41   3808141.91        6.25985  (10102019)                465223.41
3808141.91        6.09169  (10102019)
        465243.41   3808141.91        6.00844  (10102019)                465263.41
3808141.91        5.86799  (10102019)
        465283.41   3808141.91        5.71316  (10102019)                465303.41
3808141.91        5.57886  (10102019)
        465323.41   3808141.91        5.41913  (10102019)                465343.41
3808141.91        5.23324  (10102019)
        465363.41   3808141.91        5.07511  (10102019)                465383.41
3808141.91        4.95964  (10102019)
        465403.41   3808141.91        4.84649  (10102019)                465423.41
3808141.91        4.68518  (10102019)
        465443.41   3808141.91        4.53719  (10102019)                465463.41
3808141.91        4.42893  (10102019)
        465483.41   3808141.91        4.31864  (10102019)                465503.41
3808141.91        4.18907  (10102019)
        465523.41   3808141.91        4.03954  (10102019)                465543.41
3808141.91        3.90298  (10102019)
        465563.41   3808141.91        3.77586  (10102019)                465583.41
3808141.91        3.67082  (10102019)
        465603.41   3808141.91        3.56631  (10102019)                465623.41
3808141.91        3.46252  (10102019)
        465643.41   3808141.91        3.35609  (10102019)                465663.41
3808141.91        3.21018  (10102019)
        465683.41   3808141.91        3.08592  (10102019)                465703.41
3808141.91        2.97722  (10102019)
        464883.41   3808161.91        8.92149  (10020118)                464903.41
3808161.91        8.88389  (10020118)
        464923.41   3808161.91        8.76918  (10020118)                464943.41
3808161.91        8.59885  (10020118)
        464963.41   3808161.91        8.41615  (10020118)                464983.41
3808161.91        8.21856  (10020118)
        465003.41   3808161.91        7.98057  (10020118)                465023.41
3808161.91        7.74489  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 ,
L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 ,
L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 ,
L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465043.41	3808161.91	7.51258	(10020118)	465063.41	3808161.91	7.27458	(10102019)
465083.41	3808161.91	7.13081	(10102019)	465103.41	3808161.91	6.87920	(10102019)
465123.41	3808161.91	6.78770	(10102019)	465143.41	3808161.91	6.64615	(10102019)
465163.41	3808161.91	6.47215	(10102019)	465183.41	3808161.91	6.37437	(10102019)
465203.41	3808161.91	6.21626	(10102019)	465223.41	3808161.91	6.04740	(10102019)
465243.41	3808161.91	5.91097	(10102019)	465263.41	3808161.91	5.74175	(10102019)
465283.41	3808161.91	5.56431	(10102019)	465303.41	3808161.91	5.44332	(10102019)
465323.41	3808161.91	5.24315	(10102019)	465343.41	3808161.91	5.06472	(10102019)
465363.41	3808161.91	4.94053	(10102019)	465383.41	3808161.91	4.80670	(10102019)
465403.41	3808161.91	4.68512	(10102019)	465423.41	3808161.91	4.47652	(10102019)
465443.41	3808161.91	4.34835	(10102019)	465463.41	3808161.91	4.23503	(10102019)
465483.41	3808161.91	4.11213	(10102019)	465503.41	3808161.91	3.99746	(10102019)
465523.41	3808161.91	3.87866	(10102019)	465543.41	3808161.91	3.68841	(10102019)

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        465563.41   3808161.91        3.57068  (10102019)              465583.41
3808161.91        3.46619  (10102019)
        465603.41   3808161.91        3.36269  (10102019)              465623.41
3808161.91        3.24617  (10102019)
        465643.41   3808161.91        3.14105  (10102019)              465663.41
3808161.91        3.04292  (10102019)
        465683.41   3808161.91        2.92984  (10102019)              465703.41
3808161.91        2.80116  (10102019)
        464903.41   3808181.91        8.69728  (10020118)              464923.41
3808181.91        8.56683  (10020118)
        464943.41   3808181.91        8.37517  (10020118)              464963.41
3808181.91        8.17237  (10020118)
        464983.41   3808181.91        7.95861  (10020118)              465003.41
3808181.91        7.73249  (10020118)
        465023.41   3808181.91        7.51298  (10102019)              465043.41
3808181.91        7.38393  (10102019)
        465063.41   3808181.91        7.22057  (10102019)              465083.41
3808181.91        7.06121  (10102019)
        465103.41   3808181.91        6.86838  (10102019)              465123.41
3808181.91        6.69988  (10102019)
        465143.41   3808181.91        6.54052  (10102019)              465163.41
3808181.91        6.42951  (10102019)
        465183.41   3808181.91        6.24475  (10102019)              465203.41
3808181.91        6.09305  (10102019)
        465223.41   3808181.91        5.94286  (10102019)              465243.41
3808181.91        5.74833  (10102019)
        465263.41   3808181.91        5.60829  (10102019)              465283.41
3808181.91        5.45653  (10102019)
        465303.41   3808181.91        5.23195  (10102019)              465323.41
3808181.91        5.07191  (10102019)
        465343.41   3808181.91        4.93771  (10102019)              465363.41
3808181.91        4.71612  (10102019)
        465383.41   3808181.91        4.56711  (10102019)              465403.41
3808181.91        4.45010  (10102019)
        465423.41   3808181.91        4.32628  (10102019)              465443.41
3808181.91        4.20787  (10102019)
        465463.41   3808181.91        4.08398  (10102019)              465483.41
3808181.91        3.91171  (10102019)
        465503.41   3808181.91        3.75695  (10102019)              465523.41
3808181.91        3.64685  (10102019)
        465543.41   3808181.91        3.53194  (10102019)              465563.41
3808181.91        3.42320  (10102019)
        465583.41   3808181.91        3.31764  (10102019)              465603.41
3808181.91        3.21349  (10102019)
        465623.41   3808181.91        3.08440  (10102019)              465643.41
3808181.91        2.95589  (10102019)
        465663.41   3808181.91        2.86159  (10102019)              465683.41
3808181.91        2.76662  (10102019)
        465703.41   3808181.91        2.70657  (09010408)              464923.41
3808201.91        8.28674  (10020118)
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31 ***
                                  INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                 L0006361   , L0006362   , L0006363   , L0006364   , L0006365
, L0006366   , L0006367   , L0006368   ,
                 L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                 L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465023.41   3808201.91   7.48813 (10102019)   465043.41
3808201.91   7.32262 (10102019)
        465063.41   3808201.91   7.16484 (10102019)   465083.41
3808201.91   6.92243 (10102019)
        465103.41   3808201.91   6.77101 (10102019)   465123.41
3808201.91   6.59567 (10102019)
        465143.41   3808201.91   6.45707 (10102019)   465163.41
3808201.91   6.29196 (10102019)
        465183.41   3808201.91   6.12505 (10102019)   465203.41
3808201.91   5.94729 (10102019)
        465223.41   3808201.91   5.77345 (10102019)   465243.41
3808201.91   5.61877 (10102019)
        465263.41   3808201.91   5.44239 (10102019)   465283.41
3808201.91   5.23867 (10102019)
        465303.41   3808201.91   5.06642 (10102019)   465323.41
3808201.91   4.89330 (10102019)
        465343.41   3808201.91   4.70834 (10102019)   465363.41

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3808201.91        4.54219  (10102019)
        465383.41   3808201.91        4.39139  (10102019)                465403.41
3808201.91        4.23307  (10102019)
        465423.41   3808201.91        4.11688  (10102019)                465443.41
3808201.91        4.00082  (10102019)
        465463.41   3808201.91        3.88138  (10102019)                465483.41
3808201.91        3.71428  (10102019)
        465503.41   3808201.91        3.59589  (10102019)                465523.41
3808201.91        3.48564  (10102019)
        465543.41   3808201.91        3.37671  (10102019)                465563.41
3808201.91        3.24838  (10102019)
        465583.41   3808201.91        3.13051  (10102019)                465603.41
3808201.91        3.02947  (10102019)
        465623.41   3808201.91        2.91362  (10102019)                465643.41
3808201.91        2.80015  (10102019)
        465663.41   3808201.91        2.80691  (09010408)                465683.41
3808201.91        2.79605  (09010408)
        465703.41   3808201.91        2.74538  (09010408)                464943.41
3808221.91        7.79088  (10020118)
        464963.41   3808221.91        7.67561  (10102019)                464983.41
3808221.91        7.62406  (10102019)
        465003.41   3808221.91        7.56312  (10102019)                465023.41
3808221.91        7.41516  (10102019)
        465043.41   3808221.91        7.11735  (10102019)                465063.41
3808221.91        6.99447  (10102019)
        465083.41   3808221.91        6.81870  (10102019)                465103.41
3808221.91        6.60829  (10102019)
        465123.41   3808221.91        6.49766  (10102019)                465143.41
3808221.91        6.32293  (10102019)
        465163.41   3808221.91        6.13348  (10102019)                465183.41
3808221.91        5.97001  (10102019)
        465203.41   3808221.91        5.78261  (10102019)                465223.41
3808221.91        5.58864  (10102019)
        465243.41   3808221.91        5.44718  (10102019)                465263.41
3808221.91        5.23026  (10102019)
        465283.41   3808221.91        5.03959  (10102019)                465303.41
3808221.91        4.89895  (10102019)
        465323.41   3808221.91        4.68673  (10102019)                465343.41
3808221.91        4.50491  (10102019)
        465363.41   3808221.91        4.36989  (10102019)                465383.41
3808221.91        4.19874  (10102019)
        465403.41   3808221.91        4.01194  (10102019)                465423.41
3808221.91        3.89512  (10102019)
        465443.41   3808221.91        3.77905  (10102019)                465463.41
3808221.91        3.66397  (10102019)
        465483.41   3808221.91        3.55010  (10102019)                465503.41
3808221.91        3.42347  (10102019)
        465523.41   3808221.91        3.30852  (10102019)                465543.41
3808221.91        3.20093  (10102019)
        465563.41   3808221.91        3.07867  (10102019)                465583.41
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3808221.91   2.94246 (10102019)
        465603.41   3808221.91   2.87584 (09010408)   465623.41
3808221.91   2.89428 (09010408)
        465643.41   3808221.91   2.89524 (09010408)   465663.41
3808221.91   2.91830 (09010408)
        465683.41   3808221.91   2.85932 (09010408)   465703.41
3808221.91   2.78866 (09010408)
        464963.41   3808241.91   7.58267 (10102019)   464983.41
3808241.91   7.50959 (10102019)
        465003.41   3808241.91   7.42743 (10102019)   465023.41
3808241.91   7.28726 (10102019)
        465043.41   3808241.91   7.05462 (10102019)   465063.41
3808241.91   6.86255 (10102019)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                    INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                L0006369   , L0006370   , L0006371   , L0006372   , L0006373 , L0006374   , L0006375   , L0006376   ,
                L0006377   , L0006378   , L0006379   , L0006380   , L0006381 , L0006382   , L0006383   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465083.41   3808241.91   6.61344 (10102019)   465103.41
3808241.91   6.43435 (10102019)
        465123.41   3808241.91   6.31168 (10102019)   465143.41
3808241.91   6.15794 (10102019)
        465163.41   3808241.91   5.98073 (10102019)   465183.41
3808241.91   5.77000 (10102019)
        465203.41   3808241.91   5.60951 (10102019)   465223.41
3808241.91   5.44042 (10102019)

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        465243.41   3808241.91        5.20151  (10102019)              465263.41
3808241.91        5.02783  (10102019)
        465283.41   3808241.91        4.87795  (10102019)              465303.41
3808241.91        4.64682  (10102019)
        465323.41   3808241.91        4.48149  (10102019)              465343.41
3808241.91        4.33900  (10102019)
        465363.41   3808241.91        4.15223  (10102019)              465383.41
3808241.91        3.97871  (10102019)
        465403.41   3808241.91        3.85330  (10102019)              465423.41
3808241.91        3.73434  (10102019)
        465443.41   3808241.91        3.61668  (10102019)              465463.41
3808241.91        3.50054  (10102019)
        465483.41   3808241.91        3.38610  (10102019)              465503.41
3808241.91        3.24713  (10102019)
        465523.41   3808241.91        3.10920  (10102019)              465543.41
3808241.91        3.00633  (09010408)
        465563.41   3808241.91        3.02880  (09010408)              465583.41
3808241.91        3.00302  (09010408)
        465603.41   3808241.91        3.02861  (09010408)              465623.41
3808241.91        2.95174  (09010408)
        465643.41   3808241.91        2.87938  (09010408)              465663.41
3808241.91        2.89755  (09010408)
        465683.41   3808241.91        2.90743  (09010408)              465703.41
3808241.91        2.90101  (09010408)
        464983.41   3808261.91        7.06647  (10102019)              465003.41
3808261.91        7.03105  (10102019)
        465023.41   3808261.91        6.93408  (10102019)              465043.41
3808261.91        6.80999  (10102019)
        465063.41   3808261.91        6.63279  (10102019)              465083.41
3808261.91        6.47163  (10102019)
        465103.41   3808261.91        6.25759  (10102019)              465123.41
3808261.91        6.08456  (10102019)
        465143.41   3808261.91        5.91806  (10102019)              465163.41
3808261.91        5.77209  (10102019)
        465183.41   3808261.91        5.59899  (10102019)              465203.41
3808261.91        5.40760  (10102019)
        465223.41   3808261.91        5.18779  (10102019)              465243.41
3808261.91        5.00338  (10102019)
        465263.41   3808261.91        4.85476  (10102019)              465283.41
3808261.91        4.70575  (10102019)
        465303.41   3808261.91        4.46903  (10102019)              465323.41
3808261.91        4.28733  (10102019)
        465343.41   3808261.91        4.11938  (10102019)              465363.41
3808261.91        3.93733  (10102019)
        465383.41   3808261.91        3.78042  (10102019)              465403.41
3808261.91        3.64188  (10102019)
        465423.41   3808261.91        3.52539  (10102019)              465443.41
3808261.91        3.41060  (10102019)
        465463.41   3808261.91        3.29821  (10102019)              465483.41
3808261.91        3.18730  (10102019)
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        465503.41   3808261.91        3.12537  (09010408)               465523.41
3808261.91        3.08083  (09010408)
        465543.41   3808261.91        3.10777  (09010408)               465563.41
3808261.91        3.09129  (09010408)
        465583.41   3808261.91        3.03791  (09010408)               465603.41
3808261.91        3.05802  (09010408)
        465623.41   3808261.91        3.00709  (09010408)               465643.41
3808261.91        2.98544  (09010408)
        465663.41   3808261.91        2.91285  (09010408)               465683.41
3808261.91        2.89077  (09010408)
        465703.41   3808261.91        2.89215  (09010408)               465003.41
3808281.91        6.70665  (10102019)
        465023.41   3808281.91        6.64022  (10102019)               465043.41
3808281.91        6.52203  (10102019)
        465063.41   3808281.91        6.37339  (10102019)               465083.41
3808281.91        6.23890  (10102019)
        465103.41   3808281.91        6.09766  (10102019)               465123.41
3808281.91        5.88128  (10102019)
        465143.41   3808281.91        5.71644  (10102019)               465163.41
3808281.91        5.55171  (10102019)
        465183.41   3808281.91        5.39062  (10102019)               465203.41
3808281.91        5.15923  (10102019)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 584
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK31  ***
                                  INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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465223.41	3808281.91	4.96080	(10102019)	465243.41	3808281.91	4.81601	(10102019)
465263.41	3808281.91	4.66416	(10102019)	465283.41	3808281.91	4.49284	(10102019)
465303.41	3808281.91	4.26145	(10102019)	465323.41	3808281.91	4.07472	(10102019)
465343.41	3808281.91	3.88110	(10102019)	465363.41	3808281.91	3.73764	(10102019)
465383.41	3808281.91	3.59056	(10102019)	465403.41	3808281.91	3.42683	(10102019)
465423.41	3808281.91	3.27625	(10102019)	465443.41	3808281.91	3.16437	(10102019)
465463.41	3808281.91	3.16214	(09010408)	465483.41	3808281.91	3.19052	(09010408)
465503.41	3808281.91	3.21732	(09010408)	465523.41	3808281.91	3.24018	(09010408)
465543.41	3808281.91	3.23128	(09010408)	465563.41	3808281.91	3.15680	(09010408)
465583.41	3808281.91	3.07624	(09010408)	465603.41	3808281.91	3.09116	(09010408)
465623.41	3808281.91	3.09261	(09010408)	465643.41	3808281.91	3.03345	(09010408)
465663.41	3808281.91	2.94831	(09010408)	465683.41	3808281.91	2.87571	(09010408)
465703.41	3808281.91	2.86535	(09010408)	465003.41	3808301.91	6.39305	(10102019)
465023.41	3808301.91	6.33781	(10102019)	465043.41	3808301.91	6.29602	(10102019)
465063.41	3808301.91	6.01746	(10102019)	465083.41	3808301.91	5.91388	(10102019)
465103.41	3808301.91	5.86138	(10102019)	465123.41	3808301.91	5.69858	(10102019)
465143.41	3808301.91	5.54018	(10102019)	465163.41	3808301.91	5.36191	(10102019)
465183.41	3808301.91	5.11181	(10102019)	465203.41	3808301.91	4.92674	(10102019)
465223.41	3808301.91	4.77096	(10102019)	465243.41	3808301.91	4.62144	(10102019)
465263.41	3808301.91	4.43562	(10102019)	465283.41	3808301.91	4.20984	(10102019)
465303.41	3808301.91	4.01746	(10102019)	465323.41	3808301.91	3.83458	(10102019)
465343.41	3808301.91	3.68739	(10102019)	465363.41	3808301.91	3.52176	(10102019)
465383.41	3808301.91	3.38060	(10102019)	465403.41	3808301.91	3.25708	(10102019)
465423.41	3808301.91	3.09186	(09010408)	465443.41	3808301.91	3.09844	(09010408)
465463.41	3808301.91	3.33192	(09010408)	465483.41			

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3808301.91        3.35668  (09010408)
        465503.41   3808301.91        3.37958  (09010408)                465523.41
3808301.91        3.38772  (09010408)
        465543.41   3808301.91        3.22128  (09010408)                465563.41
3808301.91        3.20427  (09010408)
        465583.41   3808301.91        3.20599  (09010408)                465603.41
3808301.91        3.21645  (09010408)
        465623.41   3808301.91        3.12553  (09010408)                465643.41
3808301.91        2.99617  (09010408)
        465663.41   3808301.91        2.98498  (09010408)                465683.41
3808301.91        2.92260  (09010408)
        465703.41   3808301.91        2.78282  (09010408)                465043.41
3808321.91        5.93814  (10102019)
        465063.41   3808321.91        5.79627  (10102019)                465083.41
3808321.91        5.68519  (10102019)
        465103.41   3808321.91        5.55551  (10102019)                465123.41
3808321.91        5.39774  (10102019)
        465143.41   3808321.91        5.23905  (10102019)                465163.41
3808321.91        5.07528  (10102019)
        465183.41   3808321.91        4.88225  (10102019)                465203.41
3808321.91        4.71961  (10102019)
        465223.41   3808321.91        4.56162  (10102019)                465243.41
3808321.91        4.37687  (10102019)
        465263.41   3808321.91        4.15305  (10102019)                465283.41
3808321.91        3.96656  (10102019)
        465303.41   3808321.91        3.77928  (10102019)                465323.41
3808321.91        3.62255  (10102019)
        465343.41   3808321.91        3.47143  (10102019)                465363.41
3808321.91        3.43038  (09010408)
        465383.41   3808321.91        3.35461  (09010408)                465403.41
3808321.91        3.29146  (09010408)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK31  ***
                                    INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465423.41	3808321.91	3.22827	(09010408)	465443.41	3808321.91	3.23689	(09010408)
465463.41	3808321.91	3.36441	(09010408)	465483.41	3808321.91	3.38259	(09010408)
465503.41	3808321.91	3.39879	(09010408)	465523.41	3808321.91	3.40461	(09010408)
465543.41	3808321.91	3.32589	(09010408)	465563.41	3808321.91	3.32100	(09010408)
465583.41	3808321.91	3.31937	(09010408)	465603.41	3808321.91	3.22726	(09010408)
465623.41	3808321.91	3.15590	(09010408)	465643.41	3808321.91	3.06276	(09010408)
465663.41	3808321.91	2.96157	(09010408)	465683.41	3808321.91	2.87897	(09010408)
465703.41	3808321.91	2.77908	(09010408)	465083.41	3808341.91	5.43064	(10102019)
465103.41	3808341.91	5.27398	(10102019)	465123.41	3808341.91	5.13969	(10102019)
465143.41	3808341.91	4.98199	(10102019)	465163.41	3808341.91	4.82148	(10102019)
465183.41	3808341.91	4.66199	(10102019)	465203.41	3808341.91	4.49836	(10102019)
465223.41	3808341.91	4.32258	(10102019)	465243.41	3808341.91	4.09995	(10102019)
465263.41	3808341.91	3.91354	(10102019)	465283.41	3808341.91	3.71183	(10102019)
465303.41	3808341.91	3.66978	(09010408)	465323.41	3808341.91	3.58943	(09010408)
465343.41	3808341.91	3.48380	(09010408)	465363.41	3808341.91	3.50990	(09010408)
465383.41	3808341.91	3.43740	(09010408)	465403.41	3808341.91	3.34942	(09010408)
465423.41	3808341.91	3.34960	(09010408)	465443.41	3808341.91	3.35792	(09010408)
465463.41	3808341.91	3.39997	(09010408)	465483.41	3808341.91	3.41194	(09010408)
465503.41	3808341.91	3.42185	(09010408)	465523.41	3808341.91	3.42668	(09010408)
465543.41	3808341.91	3.41209	(09010408)	465563.41	3808341.91	3.40902	(09010408)

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        465583.41   3808341.91        3.34968  (09010408)               465603.41
3808341.91        3.23674  (09010408)
        465623.41   3808341.91        3.14723  (09010408)               465643.41
3808341.91        3.10825  (09010408)
        465663.41   3808341.91        2.93953  (09010408)               465683.41
3808341.91        2.84417  (09010408)
        465703.41   3808341.91        2.75802  (09010408)               465103.41
3808361.91        4.98230  (10102019)
        465123.41   3808361.91        4.90235  (10102019)               465143.41
3808361.91        4.76193  (10102019)
        465163.41   3808361.91        4.59817  (10102019)               465183.41
3808361.91        4.43638  (10102019)
        465203.41   3808361.91        4.24886  (10102019)               465223.41
3808361.91        4.02929  (10102019)
        465243.41   3808361.91        4.04443  (09010408)               465263.41
3808361.91        3.96888  (09010408)
        465283.41   3808361.91        3.85197  (09010408)               465303.41
3808361.91        3.75265  (09010408)
        465323.41   3808361.91        3.57243  (09010408)               465343.41
3808361.91        3.47186  (09010408)
        465363.41   3808361.91        3.49158  (09010408)               465383.41
3808361.91        3.49947  (09010408)
        465403.41   3808361.91        3.48997  (09010408)               465423.41
3808361.91        3.34482  (09010408)
        465443.41   3808361.91        3.27619  (09010408)               465463.41
3808361.91        3.53649  (09010408)
        465483.41   3808361.91        3.54278  (09010408)               465503.41
3808361.91        3.54689  (09010408)
        465523.41   3808361.91        3.53235  (09010408)               465543.41
3808361.91        3.36624  (09010408)
        465563.41   3808361.91        3.28531  (09010408)               465583.41
3808361.91        3.27855  (09010408)
        465603.41   3808361.91        3.25472  (09010408)               465623.41
3808361.91        3.17214  (09010408)
        465643.41   3808361.91        3.00514  (09010408)               465663.41
3808361.91        2.93256  (09010408)
        465683.41   3808361.91        2.80363  (09010408)               465703.41
3808361.91        2.63322  (09010408)
        465183.41   3808381.91        4.16555  (09010408)               465203.41
3808381.91        4.16773  (09010408)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 586
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK31  ***
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INCLUDING SOURCE(S): L0006356 , L0006357
, L0006358 , L0006359 , L0006360 ,
L0006361 , L0006362 , L0006363 , L0006364 , L0006365
, L0006366 , L0006367 , L0006368 ,
L0006369 , L0006370 , L0006371 , L0006372 , L0006373
, L0006374 , L0006375 , L0006376 ,
L0006377 , L0006378 , L0006379 , L0006380 , L0006381
, L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465223.41	3808381.91	4.10720	(09010408)	465243.41	3808381.91	4.07835	(09010408)
465263.41	3808381.91	3.97499	(09010408)	465283.41	3808381.91	3.80579	(09010408)
465303.41	3808381.91	3.71291	(09010408)	465323.41	3808381.91	3.60170	(09010408)
465343.41	3808381.91	3.46277	(09010408)	465363.41	3808381.91	3.47436	(09010408)
465383.41	3808381.91	3.48382	(09010408)	465403.41	3808381.91	3.48323	(09010408)
465423.41	3808381.91	3.38638	(09010408)	465443.41	3808381.91	3.37275	(09010408)
465463.41	3808381.91	3.50185	(09010408)	465483.41	3808381.91	3.50062	(09010408)
465503.41	3808381.91	3.49730	(09010408)	465523.41	3808381.91	3.48153	(09010408)
465543.41	3808381.91	3.37228	(09010408)	465563.41	3808381.91	3.30256	(09010408)
465583.41	3808381.91	3.19609	(09010408)	465603.41	3808381.91	3.18341	(09010408)
465623.41	3808381.91	3.09844	(09010408)	465643.41	3808381.91	2.98170	(09010408)
465663.41	3808381.91	2.85939	(09010408)	465683.41	3808381.91	2.74070	(09010408)
465703.41	3808381.91	2.59289	(09010408)	465303.41	3808401.91	3.62989	(09010408)
465323.41	3808401.91	3.56084	(09010408)	465343.41	3808401.91	3.44395	(09010408)
465363.41	3808401.91	3.44810	(09010408)	465383.41	3808401.91	3.45015	(09010408)
465403.41	3808401.91	3.45013	(09010408)	465423.41			

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3808401.91        3.44803  (09010408)
        465443.41   3808401.91        3.44390  (09010408)                465463.41
3808401.91        3.43957  (09010408)
        465483.41   3808401.91        3.43147  (09010408)                465503.41
3808401.91        3.42142  (09010408)
        465523.41   3808401.91        3.40948  (09010408)                465543.41
3808401.91        3.39569  (09010408)
        465563.41   3808401.91        3.26621  (09010408)                465583.41
3808401.91        3.09152  (09010408)
        465603.41   3808401.91        3.07352  (09010408)                465623.41
3808401.91        3.03734  (09010408)
        465643.41   3808401.91        2.93746  (09010408)                465663.41
3808401.91        2.74114  (09010408)
        465683.41   3808401.91        2.63246  (09010408)                465703.41
3808401.91        2.53504  (09010408)
        465323.41   3808421.91        3.38336  (09010408)                465343.41
3808421.91        3.36909  (09010408)
        465363.41   3808421.91        3.36532  (09010408)                465383.41
3808421.91        3.35961  (09010408)
        465403.41   3808421.91        3.35197  (09010408)                465423.41
3808421.91        3.34246  (09010408)
        465443.41   3808421.91        3.33110  (09010408)                465463.41
3808421.91        3.31795  (09010408)
        465483.41   3808421.91        3.30305  (09010408)                465503.41
3808421.91        3.28646  (09010408)
        465523.41   3808421.91        3.26824  (09010408)                465543.41
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        465563.41   3808421.91        3.21530  (09010408)                465583.41
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        465603.41   3808421.91        3.11160  (09010408)                465623.41
3808421.91        2.97105  (09010408)
        465643.41   3808421.91        2.77901  (09010408)                465663.41
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        465683.41   3808421.91        2.55496  (09010408)                465703.41
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        465323.41   3808441.91        3.24657  (09010408)                465343.41
3808441.91        3.25008  (09010408)
        465363.41   3808441.91        3.35878  (09010408)                465383.41
3808441.91        3.37052  (09010408)
        465403.41   3808441.91        3.35736  (09010408)                465423.41
3808441.91        3.34238  (09010408)
        465443.41   3808441.91        3.32564  (09010408)                465463.41
3808441.91        3.30720  (09010408)
        465483.41   3808441.91        3.28711  (09010408)                465503.41
3808441.91        3.26545  (09010408)
        465523.41   3808441.91        3.24227  (09010408)                465543.41
3808441.91        3.21765  (09010408)
        465563.41   3808441.91        3.19166  (09010408)                465583.41
3808441.91        3.16436  (09010408)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31 ***
                                INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                 L0006361   , L0006362   , L0006363   , L0006364   , L0006365
, L0006366   , L0006367   , L0006368   ,
                 L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                 L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

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        465663.41   3808461.91        2.60902  (09010519)              465683.41
3808461.91        2.57882  (09010519)
        465703.41   3808461.91        2.56318  (09010519)              465343.41
3808481.91        2.93112  (09010519)
        465363.41   3808481.91        2.92131  (09010519)              465383.41
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        465403.41   3808481.91        3.16275  (09010408)              465423.41
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        465443.41   3808481.91        3.10981  (09010408)              465463.41
3808481.91        3.08147  (09010408)
        465483.41   3808481.91        3.05200  (09010408)              465503.41
3808481.91        3.18409  (09010408)
        465523.41   3808481.91        3.28914  (09010408)              465543.41
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        465563.41   3808481.91        3.21652  (09010408)              465583.41
3808481.91        3.17872  (09010408)
        465603.41   3808481.91        3.14003  (09010408)              465623.41
3808481.91        2.97653  (09010408)
        465643.41   3808481.91        2.70364  (09010519)              465663.41
3808481.91        2.65815  (09010519)
        465683.41   3808481.91        2.62515  (09010519)              465703.41
3808481.91        2.59623  (09010519)
        465463.41   3808501.91        3.01197  (09010408)              465483.41
3808501.91        2.87823  (09010519)
        465503.41   3808501.91        2.94272  (09010408)              465523.41
3808501.91        3.14191  (09010408)
        465543.41   3808501.91        3.10316  (09010408)              465563.41
3808501.91        3.10960  (09010408)
        465583.41   3808501.91        3.15102  (09010408)              465603.41
3808501.91        3.00410  (09010408)
        465623.41   3808501.91        2.86327  (09010408)              465643.41
3808501.91        2.75699  (09010519)
        465663.41   3808501.91        2.70648  (09010519)              465683.41
3808501.91        2.67052  (09010519)
        465703.41   3808501.91        2.63947  (09010519)              465523.41
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        465543.41   3808521.91        2.89567  (09010519)              465563.41
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        465583.41   3808521.91        3.04042  (09010408)              465603.41
3808521.91        2.86246  (09010519)
        465623.41   3808521.91        2.82704  (09010519)              465643.41
3808521.91        2.79250  (09010519)
        465663.41   3808521.91        2.73930  (09010519)              465683.41
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        465703.41   3808521.91        2.67909  (09010519)              464239.31
3809562.31        6.30087  (10021420)
        464277.31   3809562.31        5.83418  (10021420)              463745.31
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        463783.31   3809591.37        9.53517  (10031906)              463821.31
3809591.37        9.07178  (10031906)
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3809649.49 9.37479 (09022206)
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3809649.49 8.79912 (10021420)
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3809678.55 7.44415 (10031906)
464011.31 3809678.55 7.15479 (10031906) 464049.31
3809678.55 7.41447 (10030307)
464087.31 3809678.55 6.63620 (10031906) 464125.31
3809678.55 6.39714 (10031906)
464163.31 3809678.55 6.17222 (10031906) 464201.31
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3809678.55 5.06992 (10021420)
464467.31 3809678.55 4.95214 (10021420) 464505.31
3809678.55 4.83140 (10021420)
463745.31 3809707.61 9.32192 (09022206) 463783.31
3809707.61 9.03713 (09022206)
463821.31 3809707.61 8.73860 (09022206) 463859.31
3809707.61 8.40291 (09022206)
463897.31 3809707.61 8.05808 (09022206) 463935.31
3809707.61 7.74181 (09022206)
463973.31 3809707.61 7.41935 (09022206) 464011.31
3809707.61 7.11166 (09022206)
464049.31 3809707.61 6.84242 (10031906) 464087.31

3809707.61   6.60097 (10031906)
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3809707.61   6.15805 (10031906)
        464201.31   3809707.61   5.95029 (10031906)   464239.31
3809707.61   5.75766 (10031906)
        464277.31   3809707.61   5.57405 (10031906)   464315.31
3809707.61   5.40821 (10031906)
        464353.31   3809707.61   5.24311 (10021420)   464391.31
3809707.61   5.12391 (10021420)
        464429.31   3809707.61   5.00306 (10021420)   464467.31
3809707.61   4.89097 (10021420)
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        463783.31   3809736.67   8.79033 (09022206)   463821.31
3809736.67   8.52178 (09022206)
        463859.31   3809736.67   8.26304 (09022206)   463897.31
3809736.67   7.97711 (09022206)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                  INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                  L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                  L0006369   , L0006370   , L0006371   , L0006372   , L0006373 , L0006374   , L0006375   , L0006376   ,
                  L0006377   , L0006378   , L0006379   , L0006380   , L0006381 , L0006382   , L0006383   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        463935.31   3809736.67   7.67451 (09022206)   463973.31
3809736.67   7.39229 (09022206)
        464011.31   3809736.67   7.10900 (09022206)   464049.31
3809736.67   6.83155 (09022206)

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        464087.31   3809736.67        6.58043  (09022206)               464125.31
3809736.67        6.33812  (09022206)
        464163.31   3809736.67        6.13200  (10031906)               464201.31
3809736.67        5.92847  (10031906)
        464239.31   3809736.67        5.74340  (10031906)               464277.31
3809736.67        5.56366  (10031906)
        464315.31   3809736.67        5.39457  (10031906)               464353.31
3809736.67        5.23627  (10031906)
        464391.31   3809736.67        5.08804  (10031906)               464429.31
3809736.67        4.94124  (10031906)
        464467.31   3809736.67        4.81873  (10021420)               464505.31
3809736.67        4.72053  (10021420)
        463745.31   3809765.73        9.05121  (10022819)               463783.31
3809765.73        8.57518  (10022819)
        463821.31   3809765.73        8.29802  (09022206)               463859.31
3809765.73        8.08216  (09022206)
        463897.31   3809765.73        7.85918  (09022206)               463935.31
3809765.73        7.57597  (09022206)
        463973.31   3809765.73        7.30405  (09022206)               464011.31
3809765.73        7.08298  (09022206)
        464049.31   3809765.73        6.82884  (09022206)               464087.31
3809765.73        6.57625  (09022206)
        464125.31   3809765.73        6.34250  (09022206)               464163.31
3809765.73        6.11801  (09022206)
        464201.31   3809765.73        5.89690  (10012420)               464239.31
3809765.73        5.71942  (10031906)
        464277.31   3809765.73        5.54630  (10031906)               464315.31
3809765.73        5.37891  (10031906)
        464353.31   3809765.73        5.22720  (10031906)               464391.31
3809765.73        5.07583  (10031906)
        464429.31   3809765.73        4.93806  (10031906)               464467.31
3809765.73        4.80897  (10031906)
        464505.31   3809765.73        4.67461  (10031906)               463745.31
3809794.79        9.01736  (10022819)
        463783.31   3809794.79        8.51451  (10022819)               463821.31
3809794.79        8.09531  (10022819)
        463859.31   3809794.79        7.84173  (09022206)               463897.31
3809794.79        7.67096  (09022206)
        463935.31   3809794.79        7.43373  (09022206)               463973.31
3809794.79        7.19546  (09022206)
        464011.31   3809794.79        7.00499  (09022206)               464049.31
3809794.79        6.81166  (09022206)
        464087.31   3809794.79        6.56888  (09022206)               464125.31
3809794.79        6.33476  (09022206)
        464163.31   3809794.79        6.11213  (09022206)               464201.31
3809794.79        5.89722  (09022206)
        464239.31   3809794.79        5.69568  (10012420)               464277.31
3809794.79        5.51271  (10031906)
        464315.31   3809794.79        5.35596  (10031906)               464353.31
3809794.79        5.20328  (10031906)
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        464391.31   3809794.79        5.06202  (10031906)               464429.31
3809794.79        4.93106  (10031906)
        464467.31   3809794.79        4.79752  (10031906)               464505.31
3809794.79        4.67061  (10031906)
        463745.31   3809823.85        8.96290  (10022819)               463783.31
3809823.85        8.44935  (10022819)
        463821.31   3809823.85        7.99037  (10022819)               463859.31
3809823.85        7.63983  (10022819)
        463897.31   3809823.85        7.41727  (09022206)               463935.31
3809823.85        7.23642  (09022206)
        463973.31   3809823.85        7.05395  (09022206)               464011.31
3809823.85        6.88618  (09022206)
        464049.31   3809823.85        6.73837  (09022206)               464087.31
3809823.85        6.54341  (09022206)
        464125.31   3809823.85        6.32533  (09022206)               464163.31
3809823.85        6.10685  (09022206)
        464201.31   3809823.85        5.89181  (09022206)               464239.31
3809823.85        5.69111  (09022206)
        464277.31   3809823.85        5.50520  (10012420)               464315.31
3809823.85        5.32234  (10012420)
        464353.31   3809823.85        5.17291  (10031906)               464391.31
3809823.85        5.03947  (10031906)
        464429.31   3809823.85        4.90880  (10031906)               464467.31
3809823.85        4.78277  (10031906)
        464505.31   3809823.85        4.65706  (10031906)               463745.31
3809852.91        8.90441  (10022819)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 590
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK31  ***
                                  INCLUDING SOURCE(S):     L0006356    , L0006357
, L0006358    , L0006359    , L0006360    ,
                  L0006361    , L0006362    , L0006363    , L0006364    , L0006365
, L0006366    , L0006367    , L0006368    ,
                  L0006369    , L0006370    , L0006371    , L0006372    , L0006373
, L0006374    , L0006375    , L0006376    ,
                  L0006377    , L0006378    , L0006379    , L0006380    , L0006381
, L0006382    , L0006383    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
463783.31	3809852.91	8.42157	(10022819)	463821.31	3809852.91	7.92320	(10022819)
463859.31	3809852.91	7.56655	(10022819)	463897.31	3809852.91	7.22637	(10022819)
463935.31	3809852.91	6.99457	(09022206)	463973.31	3809852.91	6.87090	(09022206)
464011.31	3809852.91	6.73521	(09022206)	464049.31	3809852.91	6.61920	(09022206)
464087.31	3809852.91	6.46643	(09022206)	464125.31	3809852.91	6.28107	(09022206)
464163.31	3809852.91	6.07463	(09022206)	464201.31	3809852.91	5.86690	(09022206)
464239.31	3809852.91	5.67633	(09022206)	464277.31	3809852.91	5.49077	(10012420)
464315.31	3809852.91	5.31771	(10012420)	464353.31	3809852.91	5.14975	(10012420)
464391.31	3809852.91	5.00250	(10031906)	464429.31	3809852.91	4.88031	(10031906)
464467.31	3809852.91	4.75811	(10031906)	464505.31	3809852.91	4.63979	(10031906)
463745.31	3809881.97	8.82434	(10022819)	463783.31	3809881.97	8.36267	(10022819)
463821.31	3809881.97	7.89168	(10022819)	463859.31	3809881.97	7.51006	(10022819)
463897.31	3809881.97	7.14900	(10022819)	463935.31	3809881.97	6.83010	(10022819)
463973.31	3809881.97	6.65532	(09022206)	464011.31	3809881.97	6.56658	(09022206)
464049.31	3809881.97	6.47542	(09022206)	464087.31	3809881.97	6.34735	(09022206)
464125.31	3809881.97	6.19402	(09022206)	464163.31	3809881.97	6.00630	(09022206)
464201.31	3809881.97	5.82526	(09022206)	464239.31	3809881.97	5.64130	(09022206)
464277.31	3809881.97	5.47040	(09022206)	464315.31	3809881.97	5.30486	(10012420)
464353.31	3809881.97	5.14439	(10012420)	464391.31	3809881.97	4.99663	(10012420)
464429.31	3809881.97	4.84792	(10012420)	464467.31	3809881.97	4.72563	(10031906)
464505.31	3809881.97	4.61851	(10031906)	463745.31	3809911.03	8.66907	(10022819)
463783.31	3809911.03	8.24834	(10022819)	463821.31	3809911.03	7.84643	(10022819)
463859.31	3809911.03	7.46210	(10022819)	463897.31			

3809911.03   7.10456 (10022819)
        463935.31   3809911.03   6.77467 (10022819)   463973.31
3809911.03   6.52433 (10022819)
        464011.31   3809911.03   6.35967 (09022206)   464049.31
3809911.03   6.31272 (09022206)
        464087.31   3809911.03   6.21738 (09022206)   464125.31
3809911.03   6.08995 (09022206)
        464163.31   3809911.03   5.93591 (09022206)   464201.31
3809911.03   5.78088 (09022206)
        464239.31   3809911.03   5.60914 (09022206)   464277.31
3809911.03   5.45156 (09022206)
        464315.31   3809911.03   5.29110 (09022206)   464353.31
3809911.03   5.13202 (09022206)
        464391.31   3809911.03   4.98930 (10012420)   464429.31
3809911.03   4.84560 (10012420)
        464467.31   3809911.03   4.70736 (10012420)   464505.31
3809911.03   4.58189 (10031906)
        463745.31   3809940.09   8.44537 (10022819)   463783.31
3809940.09   8.09575 (10022819)
        463821.31   3809940.09   7.76323 (10022819)   463859.31
3809940.09   7.40143 (10022819)
        463897.31   3809940.09   7.06867 (10022819)   463935.31
3809940.09   6.75120 (10022819)
        463973.31   3809940.09   6.48654 (10022819)   464011.31
3809940.09   6.23069 (10022819)
        464049.31   3809940.09   6.10045 (09022206)   464087.31
3809940.09   6.04542 (09022206)
        464125.31   3809940.09   5.95845 (09022206)   464163.31
3809940.09   5.85411 (09022206)
        464201.31   3809940.09   5.73186 (09022206)   464239.31
3809940.09   5.58130 (09022206)
        464277.31   3809940.09   5.42789 (09022206)   464315.31
3809940.09   5.27804 (09022206)
        464353.31   3809940.09   5.12605 (09022206)   464391.31
3809940.09   4.97650 (09022206)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
                                    INCLUDING SOURCE(S):   L0006356   , L0006357 , L0006358   , L0006359   , L0006360   ,
                L0006361   , L0006362   , L0006363   , L0006364   , L0006365 , L0006366   , L0006367   , L0006368   ,
                L0006369   , L0006370   , L0006371   , L0006372   , L0006373

, L0006374   , L0006375   , L0006376   ,
                L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        464429.31   3809940.09   4.84236 (10012420)   464467.31
3809940.09   4.70541 (10012420)
        464505.31   3809940.09   4.56873 (10012420)   463745.31
3809969.15   8.29983 (10011407)
        463783.31   3809969.15   7.94077 (10022819)   463821.31
3809969.15   7.64061 (10022819)
        463859.31   3809969.15   7.32487 (10022819)   463897.31
3809969.15   7.01665 (10022819)
        463935.31   3809969.15   6.72053 (10022819)   463973.31
3809969.15   6.46261 (10022819)
        464011.31   3809969.15   6.19254 (10022819)   464049.31
3809969.15   5.96359 (10022819)
        464087.31   3809969.15   5.84295 (09022206)   464125.31
3809969.15   5.81036 (09022206)
        464163.31   3809969.15   5.74279 (09022206)   464201.31
3809969.15   5.65699 (09022206)
        464239.31   3809969.15   5.54066 (09022206)   464277.31
3809969.15   5.39776 (09022206)
        464315.31   3809969.15   5.25846 (09022206)   464353.31
3809969.15   5.12151 (09022206)
        464391.31   3809969.15   4.97806 (09022206)   464429.31
3809969.15   4.83264 (09022206)
        464467.31   3809969.15   4.69623 (10012420)   464505.31
3809969.15   4.57155 (10012420)
        463745.31   3809998.21   8.34056 (10011407)   463783.31
3809998.21   7.81711 (10022819)
        463821.31   3809998.21   7.53004 (10022819)   463859.31
3809998.21   7.24177 (10022819)
        463897.31   3809998.21   6.96235 (10022819)   463935.31
3809998.21   6.67595 (10022819)
        463973.31   3809998.21   6.42715 (10022819)   464011.31
3809998.21   6.17394 (10022819)
        464049.31   3809998.21   5.94230 (10022819)   464087.31
3809998.21   5.73774 (10022819)
        464125.31   3809998.21   5.65189 (09022206)   464163.31
3809998.21   5.61943 (09022206)

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        464201.31   3809998.21        5.55882  (09022206)               464239.31
3809998.21        5.46953  (09022206)
        464277.31   3809998.21        5.35789  (09022206)               464315.31
3809998.21        5.22816  (09022206)
        464353.31   3809998.21        5.10160  (09022206)               464391.31
3809998.21        4.96593  (09022206)
        464429.31   3809998.21        4.82564  (09022206)               464467.31
3809998.21        4.68938  (09022206)
        464505.31   3809998.21        4.56294  (10012420)               463745.31
3810027.27        8.33411  (10011407)
        463783.31   3810027.27        7.80996  (10011407)               463821.31
3810027.27        7.42657  (10022819)
        463859.31   3810027.27        7.16104  (10022819)               463897.31
3810027.27        6.90948  (10022819)
        463935.31   3810027.27        6.62660  (10022819)               463973.31
3810027.27        6.39528  (10022819)
        464011.31   3810027.27        6.15636  (10022819)               464049.31
3810027.27        5.93302  (10022819)
        464087.31   3810027.27        5.71692  (10022819)               464125.31
3810027.27        5.53253  (10022819)
        464163.31   3810027.27        5.46970  (09022206)               464201.31
3810027.27        5.44252  (09022206)
        464239.31   3810027.27        5.37272  (09022206)               464277.31
3810027.27        5.28941  (09022206)
        464315.31   3810027.27        5.18577  (09022206)               464353.31
3810027.27        5.06841  (09022206)
        464391.31   3810027.27        4.94238  (09022206)               464429.31
3810027.27        4.81599  (09022206)
        464467.31   3810027.27        4.68468  (09022206)               464505.31
3810027.27        4.54801  (09022206)
        463745.31   3810056.33        8.33776  (09040202)               463783.31
3810056.33        7.80636  (10011407)
        463821.31   3810056.33        7.33144  (10011407)               463859.31
3810056.33        7.06396  (10022819)
        463897.31   3810056.33        6.83130  (10022819)               463935.31
3810056.33        6.57865  (10022819)
        463973.31   3810056.33        6.35944  (10022819)               464011.31
3810056.33        6.13029  (10022819)
        464049.31   3810056.33        5.90485  (10022819)               464087.31
3810056.33        5.69883  (10022819)
        464125.31   3810056.33        5.50450  (10022819)               464163.31
3810056.33        5.34015  (10022819)
        464201.31   3810056.33        5.29078  (09022206)               464239.31
3810056.33        5.26085  (09022206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK31 ***
INCLUDING SOURCE(S): L0006356 , L0006357 , L0006358 , L0006359 , L0006360 ,
L0006361 , L0006362 , L0006363 , L0006364 , L0006365 , L0006366 , L0006367 , L0006368 ,
L0006369 , L0006370 , L0006371 , L0006372 , L0006373 , L0006374 , L0006375 , L0006376 ,
L0006377 , L0006378 , L0006379 , L0006380 , L0006381 , L0006382 , L0006383 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464277.31	3810056.33	5.19626	(09022206)	464315.31	3810056.33	5.11832	(09022206)
464353.31	3810056.33	5.02748	(09022206)	464391.31	3810056.33	4.91763	(09022206)
464429.31	3810056.33	4.79744	(09022206)	464467.31	3810056.33	4.66868	(09022206)
464505.31	3810056.33	4.54236	(09022206)	463745.31	3810085.39	8.42199	(09040202)
463783.31	3810085.39	7.76422	(10011407)	463821.31	3810085.39	7.31761	(10011407)
463859.31	3810085.39	6.93750	(10022819)	463897.31	3810085.39	6.73643	(10022819)
463935.31	3810085.39	6.52217	(10022819)	463973.31	3810085.39	6.31363	(10022819)
464011.31	3810085.39	6.08825	(10022819)	464049.31	3810085.39	5.85740	(10022819)
464087.31	3810085.39	5.66869	(10022819)	464125.31	3810085.39	5.48414	(10022819)
464163.31	3810085.39	5.31543	(10022819)	464201.31	3810085.39	5.14178	(10022819)
464239.31	3810085.39	5.11676	(09022206)	464277.31	3810085.39	5.08543	(09022206)
464315.31	3810085.39	5.03058	(09022206)	464353.31	3810085.39	4.95788	(09022206)
464391.31	3810085.39	4.86842	(09022206)	464429.31	3810085.39	4.75941	(09022206)
464467.31	3810085.39	4.64318	(09022206)	464505.31			

3810085.39 4.52224 (09022206)
463745.31 3810114.45 8.42590 (09040202) 463783.31
3810114.45 7.76878 (09040202)
463821.31 3810114.45 7.29872 (10011407) 463859.31
3810114.45 6.94053 (10011407)
463897.31 3810114.45 6.64106 (10022819) 463935.31
3810114.45 6.45046 (10022819)
463973.31 3810114.45 6.24850 (10022819) 464011.31
3810114.45 6.04122 (10022819)
464049.31 3810114.45 5.81948 (10022819) 464087.31
3810114.45 5.63351 (10022819)
464125.31 3810114.45 5.44791 (10022819) 464163.31
3810114.45 5.27730 (10022819)
464201.31 3810114.45 5.11222 (10022819) 464239.31
3810114.45 4.95605 (10022819)
464277.31 3810114.45 4.95398 (09022206) 464315.31
3810114.45 4.91436 (09022206)
464353.31 3810114.45 4.85520 (09022206) 464391.31
3810114.45 4.77972 (09022206)
464429.31 3810114.45 4.69839 (09022206) 464467.31
3810114.45 4.59319 (09022206)
464505.31 3810114.45 4.49282 (09022206) 463745.31
3810143.51 8.35789 (09040202)
463783.31 3810143.51 7.79937 (09040202) 463821.31
3810143.51 7.28989 (10011407)
463859.31 3810143.51 6.95798 (10011407) 463897.31
3810143.51 6.55935 (10011407)
463935.31 3810143.51 6.33724 (10022819) 463973.31
3810143.51 6.14321 (10022819)
464011.31 3810143.51 5.98084 (10022819) 464049.31
3810143.51 5.77644 (10022819)
464087.31 3810143.51 5.58006 (10022819) 464125.31
3810143.51 5.40748 (10022819)
464163.31 3810143.51 5.24692 (10022819) 464201.31
3810143.51 5.08670 (10022819)
464239.31 3810143.51 4.93110 (10022819) 464277.31
3810143.51 4.79777 (09022206)
464315.31 3810143.51 4.78447 (09022206) 464353.31
3810143.51 4.73404 (09022206)
464391.31 3810143.51 4.68380 (09022206) 464429.31
3810143.51 4.61605 (09022206)
464467.31 3810143.51 4.54079 (09022206) 464505.31
3810143.51 4.45483 (09022206)
464383.78 3807479.29 9.34099 (09011918) 464355.03
3807405.24 11.91072 (09011918)
464402.07 3807352.10 11.07958 (09011918) 464367.23
3807296.35 13.02737 (09011918)
464358.52 3807237.99 13.51112 (09011918) 464385.52
3807161.33 13.44504 (09011918)
463132.27 3810926.37 5.67997 (09011307) 463237.82

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK31 ***
                                   INCLUDING SOURCE(S):   L0006356   , L0006357
, L0006358   , L0006359   , L0006360   ,
                  L0006361   , L0006362   , L0006363   , L0006364   , L0006365
, L0006366   , L0006367   , L0006368   ,
                  L0006369   , L0006370   , L0006371   , L0006372   , L0006373
, L0006374   , L0006375   , L0006376   ,
                  L0006377   , L0006378   , L0006379   , L0006380   , L0006381
, L0006382   , L0006383   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465716.18   3808536.49   2.65900 (09010519)   465544.37
3808533.85   2.89331 (09010519)
        465420.13   3808486.27   3.07037 (09010408)   465348.77
3808491.56   2.94320 (09010519)
        465317.05   3808443.98   3.19201 (09010408)   465327.62
3808406.97   3.48753 (09010408)
        465108.23   3808369.97   4.83579 (10102019)   464999.86
3808301.24   6.42114 (10102019)
        464722.31   3807973.48   8.84698 (09030119)   464717.03
3807836.03   9.18995 (09030119)
        464344.33   3807936.47   10.36316 (09030119)   464349.61
3807780.52   6.40485 (09122717)
        464386.62   3807785.81   5.66876 (09030119)   464521.43
3807859.82   7.28082 (09030119)
        464537.28   3807719.72   7.67336 (09030119)   464426.27
3807613.99   6.56170 (09122717)
        464368.43   3807532.62   9.16999 (09011918)   464324.60
3807121.91   13.52491 (09011918)

```
3809482.92        5.47975  (09020118)
        462004.74   3809379.69        6.03315  (09020118)                461763.22
3808793.43        4.51847  (09122018)
        461753.48   3808699.93        4.63823  (09122018)                461835.28
3808686.30        4.80127  (09122018)
        461823.60   3808579.17        4.69694  (09122018)                461761.27
3808585.02        4.48376  (09122018)
        462301.19   3807807.15        5.25386  (09111517)                462304.78
3807868.16        5.14339  (09111517)
        462216.84   3807882.52        5.03224  (09022219)                462116.34
3807886.11        5.22704  (09022219)
        462114.55   3807789.20        4.89418  (09022219)                462012.25
3807887.90        4.97047  (09022219)
        462008.66   3807975.84        5.00304  (09022219)                461917.14
3807972.25        4.54217  (09022219)
        461922.52   3808187.60        4.37859  (09022219)                461908.17
3808288.10        4.46255  (09122018)
        461848.94   3808377.83        4.81662  (09122018)                461831.00
3808494.48        4.80337  (09122018)
        462421.43   3808393.98        7.36620  (09022219)                462459.11
3808501.66        7.81476  (09022219)
        462437.58   3808580.62        7.81604  (09022219)                462654.73
3809189.00       10.45814  (09122018)
        462559.49   3809194.32        9.39833  (09122018)                465763.86
3807935.19        2.35107  (09030119)
        465819.84   3807935.19        2.29575  (09030119)                465875.82
3807935.19        2.32272  (09030119)
        465931.80   3807935.19        2.31226  (09030119)                465987.78
3807935.19        2.28626  (09030119)
        466043.76   3807935.19        2.28985  (09030119)                466099.74
3807935.19        2.25682  (09030119)
        466155.72   3807935.19        2.24750  (09030119)                466211.70
3807935.19        2.20193  (09030119)
        466267.68   3807935.19        2.16239  (09030119)                466323.66
3807935.19        2.05939  (09030119)
        466379.64   3807935.19        2.00705  (09030119)                466435.62
3807935.19        1.93404  (09030119)
        466491.60   3807935.19        1.87273  (09030119)                466547.58
3807935.19        1.73300  (09030119)
        466603.56   3807935.19        1.62186  (09030119)                466659.54
3807935.19        1.53944  (09030119)
        466715.52   3807935.19        1.42002  (09030119)                466771.50
3807935.19        1.32128  (10020118)
        466827.48   3807935.19        1.32768  (10020118)                466883.46
3807935.19        1.32811  (10020118)
        465763.86   3808001.41        2.40958  (09030119)                465819.84
3808001.41        2.43890  (09030119)
        465875.82   3808001.41        2.40805  (09030119)                465931.80
3808001.41        2.37625  (09030119)
        465987.78   3808001.41        2.41536  (09030119)                466043.76
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3808001.41   2.34681 (09030119)
        466099.74   3808001.41   2.38687 (09030119)   466155.72
3808001.41   2.33746 (09030119)
        466211.70   3808001.41   2.29736 (09030119)   466267.68
3808001.41   2.27348 (09030119)
        466323.66   3808001.41   2.13957 (09030119)   466379.64
3808001.41   2.04161 (09030119)
        466435.62   3808001.41   1.96849 (09030119)   466491.60
3808001.41   1.88704 (09030119)
        466547.58   3808001.41   1.78044 (09030119)   466603.56
3808001.41   1.66586 (09030119)
        466659.54   3808001.41   1.52202 (09030119)   466715.52
3808001.41   1.37305 (09030119)
        466771.50   3808001.41   1.36155 (10020118)   466827.48
3808001.41   1.36092 (10020118)
        466883.46   3808001.41   1.35761 (10020118)   465763.86
3808067.63   2.56067 (09030119)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
                                    INCLUDING SOURCE(S):   L0006729   , L0006730 , L0006731   , L0006732   , L0006733   ,
                  L0006734   , L0006735   , L0006736   , L0006737   , L0006738 , L0006739   , L0006740   , L0006741   ,
                  L0006742   , L0006743   , L0006744   , L0006745   , L0006746 , L0006747   , L0006748   , L0006749   ,
                  L0006750   , L0006751   , L0006752   , L0006753   , L0006754 , L0006755   , L0006756   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465819.84   3808067.63   2.52395 (09030119)   465875.82
3808067.63   2.50482 (09030119)
        465931.80   3808067.63   2.50443 (09030119)   465987.78
3808067.63   2.47695 (09030119)

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        466043.76   3808067.63        2.46408  (09030119)              466099.74
3808067.63        2.42340  (09030119)
        466155.72   3808067.63        2.37905  (09030119)              466211.70
3808067.63        2.28311  (09030119)
        466267.68   3808067.63        2.21788  (09030119)              466323.66
3808067.63        2.11297  (09030119)
        466379.64   3808067.63        2.03372  (09030119)              466435.62
3808067.63        2.01438  (09030119)
        466491.60   3808067.63        1.85095  (09030119)              466547.58
3808067.63        1.71496  (09030119)
        466603.56   3808067.63        1.55810  (09030119)              466659.54
3808067.63        1.46195  (09030119)
        466715.52   3808067.63        1.39684  (10020118)              466771.50
3808067.63        1.39383  (10020118)
        466827.48   3808067.63        1.38874  (10020118)              466883.46
3808067.63        1.38056  (10020118)
        465763.86   3808133.85        2.64509  (09030119)              465819.84
3808133.85        2.60303  (09030119)
        465875.82   3808133.85        2.60860  (09030119)              465931.80
3808133.85        2.56328  (09030119)
        465987.78   3808133.85        2.61251  (09030119)              466043.76
3808133.85        2.54864  (09030119)
        466099.74   3808133.85        2.48067  (09030119)              466155.72
3808133.85        2.37385  (09030119)
        466211.70   3808133.85        2.29821  (09030119)              466267.68
3808133.85        2.22878  (09030119)
        466323.66   3808133.85        2.14756  (09030119)              466379.64
3808133.85        2.06285  (09030119)
        466435.62   3808133.85        1.96632  (09030119)              466491.60
3808133.85        1.87202  (09030119)
        466547.58   3808133.85        1.71945  (09030119)              466603.56
3808133.85        1.56297  (09030119)
        466659.54   3808133.85        1.43631  (09030119)              466715.52
3808133.85        1.42794  (10020118)
        466771.50   3808133.85        1.42075  (10020118)              466827.48
3808133.85        1.40892  (10020118)
        466883.46   3808133.85        1.39370  (10020118)              465763.86
3808200.07        2.72225  (09030119)
        465819.84   3808200.07        2.67186  (09030119)              465875.82
3808200.07        2.66743  (09030119)
        465931.80   3808200.07        2.69865  (09030119)              465987.78
3808200.07        2.63120  (09030119)
        466043.76   3808200.07        2.57012  (09030119)              466099.74
3808200.07        2.44833  (09030119)
        466155.72   3808200.07        2.37861  (09030119)              466211.70
3808200.07        2.25263  (09030119)
        466267.68   3808200.07        2.20306  (09030119)              466323.66
3808200.07        2.15533  (09030119)
        466379.64   3808200.07        2.04787  (09030119)              466435.62
3808200.07        1.94188  (09030119)
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        466491.60   3808200.07        1.78581  (09030119)               466547.58
3808200.07        1.61568  (09030119)
        466603.56   3808200.07        1.47091  (09030119)               466659.54
3808200.07        1.46316  (10020118)
        466715.52   3808200.07        1.45391  (10020118)               466771.50
3808200.07        1.43799  (10020118)
        466827.48   3808200.07        1.42058  (10020118)               466883.46
3808200.07        1.39937  (10020118)
        465763.86   3808266.29        2.72637  (09030119)               465819.84
3808266.29        2.76774  (09030119)
        465875.82   3808266.29        2.77234  (09030119)               465931.80
3808266.29        2.71278  (09030119)
        465987.78   3808266.29        2.64721  (09030119)               466043.76
3808266.29        2.53224  (09030119)
        466099.74   3808266.29        2.44753  (09030119)               466155.72
3808266.29        2.32659  (09030119)
        466211.70   3808266.29        2.24434  (09030119)               466267.68
3808266.29        2.19856  (09030119)
        466323.66   3808266.29        2.08540  (09030119)               466379.64
3808266.29        2.02062  (09030119)
        466435.62   3808266.29        1.91486  (09030119)               466491.60
3808266.29        1.65781  (09030119)
        466547.58   3808266.29        1.51033  (09030119)               466603.56
3808266.29        1.49886  (10020118)
        466659.54   3808266.29        1.48756  (10020118)               466715.52
3808266.29        1.46871  (10020118)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK395 ***
                                    INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                  L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                  L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                  L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466771.50	3808266.29	1.44824	(10020118)	466827.48	3808266.29	1.42303	(10020118)
466883.46	3808266.29	1.39801	(10020118)	465763.86	3808332.51	2.76396	(09030119)
465819.84	3808332.51	2.84356	(09030119)	465875.82	3808332.51	2.78055	(09030119)
465931.80	3808332.51	2.72240	(09030119)	465987.78	3808332.51	2.60405	(09030119)
466043.76	3808332.51	2.51423	(09030119)	466099.74	3808332.51	2.39906	(09030119)
466155.72	3808332.51	2.31987	(09030119)	466211.70	3808332.51	2.24086	(09030119)
466267.68	3808332.51	2.10956	(09030119)	466323.66	3808332.51	2.07761	(09030119)
466379.64	3808332.51	1.93808	(09030119)	466435.62	3808332.51	1.77045	(09030119)
466491.60	3808332.51	1.58637	(09030119)	466547.58	3808332.51	1.53603	(10020118)
466603.56	3808332.51	1.52036	(10020118)	466659.54	3808332.51	1.49757	(10020118)
466715.52	3808332.51	1.47516	(10020118)	466771.50	3808332.51	1.44561	(10020118)
466827.48	3808332.51	1.41831	(10020118)	466883.46	3808332.51	1.38992	(10020118)
465763.86	3808398.73	2.76901	(09030119)	465819.84	3808398.73	2.83463	(09030119)
465875.82	3808398.73	2.79338	(09030119)	465931.80	3808398.73	2.67518	(09030119)
465987.78	3808398.73	2.58024	(09030119)	466043.76	3808398.73	2.45870	(09030119)
466099.74	3808398.73	2.38568	(09030119)	466155.72	3808398.73	2.26098	(09030119)
466211.70	3808398.73	2.13936	(09030119)	466267.68	3808398.73	2.12083	(09030119)
466323.66	3808398.73	1.94312	(09030119)	466379.64	3808398.73	1.73485	(09030119)
466435.62	3808398.73	1.66301	(09030119)	466491.60	3808398.73	1.57358	(10020118)
466547.58	3808398.73	1.55351	(10020118)	466603.56	3808398.73	1.52742	(10020118)
466659.54	3808398.73	1.50111	(10020118)	466715.52	3808398.73	1.46894	(10020118)
466771.50	3808398.73	1.43776	(10020118)	466827.48	3808398.73	1.40698	(10020118)
466883.46	3808398.73	1.37532	(10020118)	465763.86			

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3808464.95        2.75267  (09030119)
        465819.84   3808464.95        2.78341  (09030119)                465875.82
3808464.95        2.68275  (09030119)
        465931.80   3808464.95        2.55505  (09030119)                465987.78
3808464.95        2.51979  (09030119)
        466043.76   3808464.95        2.45886  (09030119)                466099.74
3808464.95        2.32741  (09030119)
        466155.72   3808464.95        2.18832  (09030119)                466211.70
3808464.95        2.01283  (09030119)
        466267.68   3808464.95        1.97019  (09030119)                466323.66
3808464.95        1.75349  (09030119)
        466379.64   3808464.95        1.67845  (09030119)                466435.62
3808464.95        1.60987  (10020118)
        466491.60   3808464.95        1.58754  (10020118)                466547.58
3808464.95        1.55631  (10020118)
        466603.56   3808464.95        1.52653  (10020118)                466659.54
3808464.95        1.49379  (10020118)
        466715.52   3808464.95        1.45584  (10020118)                466771.50
3808464.95        1.42285  (10020118)
        466827.48   3808464.95        1.38901  (10020118)                466883.46
3808464.95        1.35440  (10020118)
        465763.86   3808531.17        2.86139  (09030119)                465819.84
3808531.17        2.75546  (09030119)
        465875.82   3808531.17        2.61033  (09030119)                465931.80
3808531.17        2.49339  (09030119)
        465987.78   3808531.17        2.47003  (09030119)                466043.76
3808531.17        2.35003  (09030119)
        466099.74   3808531.17        2.24590  (09030119)                466155.72
3808531.17        2.06117  (09030119)
        466211.70   3808531.17        1.84113  (09030119)                466267.68
3808531.17        1.77122  (09030119)
        466323.66   3808531.17        1.66321  (10020118)                466379.64
3808531.17        1.64543  (10020118)
        466435.62   3808531.17        1.62219  (10020118)                466491.60
3808531.17        1.58382  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 597
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK395 ***
                                  INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                L0006742    , L0006743    , L0006744    , L0006745    , L0006746
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, L0006747   , L0006748   , L0006749   ,
                L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        466547.58   3808531.17   1.55150 (10020118)   466603.56
3808531.17   1.50991 (10020118)
        466659.54   3808531.17   1.47274 (10020118)   466715.52
3808531.17   1.43742 (10020118)
        466771.50   3808531.17   1.40120 (10020118)   466827.48
3808531.17   1.36452 (10020118)
        466883.46   3808531.17   1.32711 (10020118)   465763.86
3808597.39   2.81724 (09030119)
        465819.84   3808597.39   2.76343 (09030119)   465875.82
3808597.39   2.63241 (09030119)
        465931.80   3808597.39   2.41814 (09030119)   465987.78
3808597.39   2.34103 (09030119)
        466043.76   3808597.39   2.28842 (09030119)   466099.74
3808597.39   2.09779 (09030119)
        466155.72   3808597.39   1.88608 (09030119)   466211.70
3808597.39   1.78629 (09030119)
        466267.68   3808597.39   1.70031 (10020118)   466323.66
3808597.39   1.67571 (10020118)
        466379.64   3808597.39   1.65463 (10020118)   466435.62
3808597.39   1.61266 (10020118)
        466491.60   3808597.39   1.57566 (10020118)   466547.58
3808597.39   1.54055 (10020118)
        466603.56   3808597.39   1.48890 (10020118)   466659.54
3808597.39   1.45111 (10020118)
        466715.52   3808597.39   1.41265 (10020118)   466771.50
3808597.39   1.37356 (10020118)
        466827.48   3808597.39   1.33393 (10020118)   466883.46
3808597.39   1.29416 (10020118)
        465763.86   3808663.61   2.74564 (09030119)   465819.84
3808663.61   2.72668 (09030119)
        465875.82   3808663.61   2.63310 (09030119)   465931.80
3808663.61   2.47108 (09030119)
        465987.78   3808663.61   2.32694 (09030119)   466043.76
3808663.61   2.13004 (09030119)
        466099.74   3808663.61   1.93232 (09030119)   466155.72
3808663.61   1.79306 (09030119)

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        466211.70   3808663.61        1.73343  (10020118)                466267.68
3808663.61        1.70655  (10020118)
        466323.66   3808663.61        1.67686  (10020118)                466379.64
3808663.61        1.63561  (10020118)
        466435.62   3808663.61        1.59968  (10020118)                466491.60
3808663.61        1.55667  (10020118)
        466547.58   3808663.61        1.50370  (10020118)                466603.56
3808663.61        1.46344  (10020118)
        466659.54   3808663.61        1.42254  (10020118)                466715.52
3808663.61        1.38117  (10020118)
        466771.50   3808663.61        1.33935  (10020118)                466827.48
3808663.61        1.29765  (10020118)
        466883.46   3808663.61        1.25518  (10020118)                465763.86
3808729.83        2.80418  (09030119)
        465819.84   3808729.83        2.83629  (09030119)                465875.82
3808729.83        2.70683  (09030119)
        465931.80   3808729.83        2.47797  (09030119)                465987.78
3808729.83        2.23761  (09030119)
        466043.76   3808729.83        1.97624  (09030119)                466099.74
3808729.83        1.80121  (10020118)
        466155.72   3808729.83        1.76946  (10020118)                466211.70
3808729.83        1.72660  (10020118)
        466267.68   3808729.83        1.69149  (10020118)                466323.66
3808729.83        1.65615  (10020118)
        466379.64   3808729.83        1.61886  (10020118)                466435.62
3808729.83        1.56092  (10020118)
        466491.60   3808729.83        1.51758  (10020118)                466547.58
3808729.83        1.47482  (10020118)
        466603.56   3808729.83        1.43149  (10020118)                466659.54
3808729.83        1.38841  (10020118)
        466715.52   3808729.83        1.34426  (10020118)                466771.50
3808729.83        1.29991  (10020118)
        466827.48   3808729.83        1.25565  (10020118)                466883.46
3808729.83        1.21116  (10020118)
        465763.86   3808796.05        2.70355  (09030119)                465819.84
3808796.05        2.87145  (09030119)
        465875.82   3808796.05        2.58742  (09030119)                465931.80
3808796.05        2.40921  (09030119)
        465987.78   3808796.05        2.17382  (09030119)                466043.76
3808796.05        1.91264  (09030119)
        466099.74   3808796.05        1.81902  (10020118)                466155.72
3808796.05        1.78160  (10020118)
        466211.70   3808796.05        1.72772  (10020118)                466267.68
3808796.05        1.67954  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466323.66	3808796.05	1.62329	(10020118)	466379.64	3808796.05	1.57475	(10020118)
466435.62	3808796.05	1.53046	(10020118)	466491.60	3808796.05	1.48514	(10020118)
466547.58	3808796.05	1.43941	(10020118)	466603.56	3808796.05	1.39369	(10020118)
466659.54	3808796.05	1.34728	(10020118)	466715.52	3808796.05	1.30092	(10020118)
466771.50	3808796.05	1.25441	(10020118)	466827.48	3808796.05	1.20792	(10020118)
466883.46	3808796.05	1.16206	(10020118)	465763.86	3808862.27	2.36120	(09030119)
465819.84	3808862.27	2.39504	(09030119)	465875.82	3808862.27	2.36904	(09030119)
465931.80	3808862.27	2.19244	(09030119)	465987.78	3808862.27	1.94334	(09030119)
466043.76	3808862.27	1.86283	(10020118)	466099.74	3808862.27	1.81891	(10020118)
466155.72	3808862.27	1.75581	(10020118)	466211.70	3808862.27	1.70195	(10020118)
466267.68	3808862.27	1.64189	(10020118)	466323.66	3808862.27	1.58936	(10020118)
466379.64	3808862.27	1.54215	(10020118)	466435.62	3808862.27	1.49436	(10020118)
466491.60	3808862.27	1.44619	(10020118)	466547.58	3808862.27	1.39779	(10020118)
466603.56	3808862.27	1.34900	(10020118)	466659.54			

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3808862.27        1.30062  (10020118)
        466715.52   3808862.27        1.25188  (10020118)                466771.50
3808862.27        1.20349  (10020118)
        466827.48   3808862.27        1.16856  (10102019)                466883.46
3808862.27        1.13852  (10102019)
        465763.86   3808928.49        2.00383  (10020118)                465819.84
3808928.49        1.96984  (10020118)
        465875.82   3808928.49        1.94771  (10020118)                465931.80
3808928.49        1.92742  (10020118)
        465987.78   3808928.49        1.89810  (10020118)                466043.76
3808928.49        1.86752  (10020118)
        466099.74   3808928.49        1.78942  (10020118)                466155.72
3808928.49        1.73286  (10020118)
        466211.70   3808928.49        1.65983  (10020118)                466267.68
3808928.49        1.60310  (10020118)
        466323.66   3808928.49        1.55278  (10020118)                466379.64
3808928.49        1.50205  (10020118)
        466435.62   3808928.49        1.45145  (10020118)                466491.60
3808928.49        1.40056  (10020118)
        466547.58   3808928.49        1.34944  (10020118)                466603.56
3808928.49        1.29889  (10020118)
        466659.54   3808928.49        1.24801  (10020118)                466715.52
3808928.49        1.20702  (10102019)
        466771.50   3808928.49        1.17500  (10102019)                466827.48
3808928.49        1.14341  (10102019)
        466883.46   3808928.49        1.11142  (10102019)                465763.86
3808994.71        2.00667  (10020118)
        465819.84   3808994.71        1.96500  (10020118)                465875.82
3808994.71        1.92395  (10020118)
        465931.80   3808994.71        1.89198  (10020118)                465987.78
3808994.71        1.90000  (10020118)
        466043.76   3808994.71        1.84560  (10020118)                466099.74
3808994.71        1.76299  (10020118)
        466155.72   3808994.71        1.67412  (10020118)                466211.70
3808994.71        1.61598  (10020118)
        466267.68   3808994.71        1.56281  (10020118)                466323.66
3808994.71        1.50932  (10020118)
        466379.64   3808994.71        1.45562  (10020118)                466435.62
3808994.71        1.40187  (10020118)
        466491.60   3808994.71        1.34855  (10020118)                466547.58
3808994.71        1.29569  (10020118)
        466603.56   3808994.71        1.24781  (10102019)                466659.54
3808994.71        1.21387  (10102019)
        466715.52   3808994.71        1.18084  (10102019)                466771.50
3808994.71        1.14688  (10102019)
        466827.48   3808994.71        1.11305  (10102019)                466883.46
3808994.71        1.07990  (10102019)
        465763.86   3809060.93        2.00706  (10020118)                465819.84
3809060.93        1.96479  (10020118)
        465875.82   3809060.93        1.91423  (10020118)                465931.80
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466099.74	3809060.93	1.68674	(10020118)	466155.72	3809060.93	1.62780	(10020118)
466211.70	3809060.93	1.57145	(10020118)	466267.68	3809060.93	1.51507	(10020118)
466323.66	3809060.93	1.45856	(10020118)	466379.64	3809060.93	1.40211	(10020118)
466435.62	3809060.93	1.34640	(10020118)	466491.60	3809060.93	1.29110	(10102019)
466547.58	3809060.93	1.25517	(10102019)	466603.56	3809060.93	1.21958	(10102019)
466659.54	3809060.93	1.18454	(10102019)	466715.52	3809060.93	1.14878	(10102019)
466771.50	3809060.93	1.11332	(10102019)	466827.48	3809060.93	1.07833	(10102019)
466883.46	3809060.93	1.04378	(10102019)	465763.86	3809127.15	2.05293	(10020118)
465819.84	3809127.15	2.00988	(10020118)	465875.82	3809127.15	1.93217	(10020118)

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        465931.80   3809127.15        1.88320  (10020118)              465987.78
3809127.15        1.80635  (10020118)
        466043.76   3809127.15        1.69751  (10020118)              466099.74
3809127.15        1.63765  (10020118)
        466155.72   3809127.15        1.57803  (10020118)              466211.70
3809127.15        1.51969  (10020118)
        466267.68   3809127.15        1.46070  (10020118)              466323.66
3809127.15        1.40167  (10020118)
        466379.64   3809127.15        1.34274  (10020118)              466435.62
3809127.15        1.29940  (10102019)
        466491.60   3809127.15        1.26156  (10102019)              466547.58
3809127.15        1.22393  (10102019)
        466603.56   3809127.15        1.18665  (10102019)              466659.54
3809127.15        1.14909  (10102019)
        466715.52   3809127.15        1.11212  (10102019)              466771.50
3809127.15        1.07541  (10102019)
        466827.48   3809127.15        1.03895  (10102019)              466883.46
3809127.15        1.00341  (10102019)
        465763.86   3809193.37        2.08164  (10020118)              465819.84
3809193.37        2.05995  (10020118)
        465875.82   3809193.37        2.00399  (10020118)              465931.80
3809193.37        1.88629  (10020118)
        465987.78   3809193.37        1.72061  (10020118)              466043.76
3809193.37        1.64649  (10020118)
        466099.74   3809193.37        1.58418  (10020118)              466155.72
3809193.37        1.52140  (10020118)
        466211.70   3809193.37        1.45979  (10020118)              466267.68
3809193.37        1.39855  (10020118)
        466323.66   3809193.37        1.34687  (10102019)              466379.64
3809193.37        1.30693  (10102019)
        466435.62   3809193.37        1.26665  (10102019)              466491.60
3809193.37        1.22683  (10102019)
        466547.58   3809193.37        1.18731  (10102019)              466603.56
3809193.37        1.14844  (10102019)
        466659.54   3809193.37        1.10939  (10102019)              466715.52
3809193.37        1.07126  (10102019)
        466771.50   3809193.37        1.03321  (10102019)              466827.48
3809193.37        0.99607  (10102019)
        466883.46   3809193.37        0.95938  (10102019)              465763.86
3809259.59        2.08018  (10020118)
        465819.84   3809259.59        1.97399  (10020118)              465875.82
3809259.59        1.90151  (10020118)
        465931.80   3809259.59        1.79770  (10020118)              465987.78
3809259.59        1.65707  (10020118)
        466043.76   3809259.59        1.58965  (10020118)              466099.74
3809259.59        1.52274  (10020118)
        466155.72   3809259.59        1.45802  (10020118)              466211.70
3809259.59        1.39682  (10102019)
        466267.68   3809259.59        1.35490  (10102019)              466323.66
3809259.59        1.31206  (10102019)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464543.41	3807141.91	5.65101	(09121017)	464563.41	3807141.91	5.65511	(09121017)
464583.41	3807141.91	5.80148	(09031218)	464603.41	3807141.91	5.92842	(09031218)
464623.41	3807141.91	6.03847	(09031218)	464643.41	3807141.91	6.14216	(09031218)
464663.41	3807141.91	6.22515	(09031218)	464683.41	3807141.91	6.29193	(09031218)
464703.41	3807141.91	6.35243	(09031218)	464723.41			

3807141.91 6.39000 (09031218)
464743.41 3807141.91 6.40890 (09031218) 464763.41
3807141.91 6.41629 (09031218)
464783.41 3807141.91 6.40714 (09031218) 464803.41
3807141.91 6.38520 (09031218)
464823.41 3807141.91 6.36401 (09031218) 464843.41
3807141.91 6.31879 (09031218)
464863.41 3807141.91 6.25546 (09031218) 464883.41
3807141.91 6.18340 (09031218)
464903.41 3807141.91 6.10952 (09031218) 464923.41
3807141.91 6.02622 (09031218)
464503.41 3807161.91 5.60622 (09121017) 464523.41
3807161.91 5.66164 (09121017)
464543.41 3807161.91 5.68007 (09121017) 464563.41
3807161.91 5.74714 (09031218)
464583.41 3807161.91 5.89188 (09031218) 464603.41
3807161.91 6.02024 (09031218)
464623.41 3807161.91 6.13098 (09031218) 464643.41
3807161.91 6.21771 (09031218)
464663.41 3807161.91 6.29775 (09031218) 464683.41
3807161.91 6.36492 (09031218)
464703.41 3807161.91 6.40795 (09031218) 464723.41
3807161.91 6.43454 (09031218)
464743.41 3807161.91 6.44829 (09031218) 464763.41
3807161.91 6.46162 (09031218)
464783.41 3807161.91 6.44991 (09031218) 464803.41
3807161.91 6.41963 (09031218)
464823.41 3807161.91 6.37784 (09031218) 464843.41
3807161.91 6.32081 (09031218)
464863.41 3807161.91 6.25336 (09031218) 464883.41
3807161.91 6.19086 (09031218)
464903.41 3807161.91 6.10528 (09031218) 464923.41
3807161.91 6.00579 (09031218)
464503.41 3807181.91 5.66768 (09121017) 464523.41
3807181.91 5.70035 (09121017)
464543.41 3807181.91 5.71707 (09121017) 464563.41
3807181.91 5.85354 (09031218)
464583.41 3807181.91 5.98304 (09031218) 464603.41
3807181.91 6.10394 (09031218)
464623.41 3807181.91 6.20994 (09031218) 464643.41
3807181.91 6.28752 (09031218)
464663.41 3807181.91 6.36175 (09031218) 464683.41
3807181.91 6.42382 (09031218)
464703.41 3807181.91 6.45731 (09031218) 464723.41
3807181.91 6.48241 (09031218)
464743.41 3807181.91 6.49607 (09031218) 464763.41
3807181.91 6.49525 (09031218)
464783.41 3807181.91 6.47424 (09031218) 464803.41
3807181.91 6.43815 (09031218)
464823.41 3807181.91 6.39805 (09031218) 464843.41

3807181.91   6.33773 (09031218)
        464863.41   3807181.91   6.26240 (09031218)   464883.41
3807181.91   6.18453 (09031218)
        464903.41   3807181.91   6.09605 (09031218)   464923.41
3807181.91   5.99677 (09031218)
        464503.41   3807201.91   5.72442 (09121017)   464523.41
3807201.91   5.73525 (09121017)
        464543.41   3807201.91   5.81255 (09031218)   464563.41
3807201.91   5.95704 (09031218)
        464583.41   3807201.91   6.07540 (09031218)   464603.41
3807201.91   6.18634 (09031218)
        464623.41   3807201.91   6.28370 (09031218)   464643.41
3807201.91   6.35757 (09031218)
        464663.41   3807201.91   6.42401 (09031218)   464683.41
3807201.91   6.47709 (09031218)
        464703.41   3807201.91   6.50669 (09031218)   464723.41
3807201.91   6.52957 (09031218)
        464743.41   3807201.91   6.53918 (09031218)   464763.41
3807201.91   6.52226 (09031218)
        464783.41   3807201.91   6.49376 (09031218)   464803.41
3807201.91   6.45514 (09031218)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                  INCLUDING SOURCE(S):   L0006729   , L0006730
, L0006731   , L0006732   , L0006733   ,
                  L0006734   , L0006735   , L0006736   , L0006737   , L0006738
, L0006739   , L0006740   , L0006741   ,
                  L0006742   , L0006743   , L0006744   , L0006745   , L0006746
, L0006747   , L0006748   , L0006749   ,
                  L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
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- -

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        464823.41   3807201.91        6.41430  (09031218)              464843.41
3807201.91        6.35253  (09031218)
        464863.41   3807201.91        6.27324  (09031218)              464883.41
3807201.91        6.17807  (09031218)
        464903.41   3807201.91        6.08430  (09031218)              464923.41
3807201.91        5.98347  (09031218)
        464503.41   3807221.91        5.75936  (09121017)              464523.41
3807221.91        5.76239  (09121017)
        464543.41   3807221.91        5.90812  (09031218)              464563.41
3807221.91        6.04903  (09031218)
        464583.41   3807221.91        6.17279  (09031218)              464603.41
3807221.91        6.27303  (09031218)
        464623.41   3807221.91        6.35608  (09031218)              464643.41
3807221.91        6.43500  (09031218)
        464663.41   3807221.91        6.49035  (09031218)              464683.41
3807221.91        6.52864  (09031218)
        464703.41   3807221.91        6.56361  (09031218)              464723.41
3807221.91        6.57519  (09031218)
        464743.41   3807221.91        6.56729  (09031218)              464763.41
3807221.91        6.54274  (09031218)
        464783.41   3807221.91        6.51673  (09031218)              464803.41
3807221.91        6.48075  (09031218)
        464823.41   3807221.91        6.41910  (09031218)              464843.41
3807221.91        6.35577  (09031218)
        464863.41   3807221.91        6.28212  (09031218)              464883.41
3807221.91        6.18134  (09031218)
        464903.41   3807221.91        6.07149  (09031218)              464923.41
3807221.91        5.95453  (09031218)
        464503.41   3807241.91        5.79394  (09121017)              464523.41
3807241.91        5.86900  (09031218)
        464543.41   3807241.91        6.00972  (09031218)              464563.41
3807241.91        6.13663  (09031218)
        464583.41   3807241.91        6.25664  (09031218)              464603.41
3807241.91        6.34925  (09031218)
        464623.41   3807241.91        6.42348  (09031218)              464643.41
3807241.91        6.49831  (09031218)
        464663.41   3807241.91        6.55227  (09031218)              464683.41
3807241.91        6.58824  (09031218)
        464703.41   3807241.91        6.60910  (09031218)              464723.41
3807241.91        6.60925  (09031218)
        464743.41   3807241.91        6.59358  (09031218)              464763.41
3807241.91        6.57295  (09031218)
        464783.41   3807241.91        6.53826  (09031218)              464803.41
3807241.91        6.49017  (09031218)
        464823.41   3807241.91        6.43037  (09031218)              464843.41
3807241.91        6.35766  (09031218)
        464863.41   3807241.91        6.27081  (09031218)              464883.41
3807241.91        6.16355  (09031218)
        464903.41   3807241.91        6.05368  (09031218)              464923.41
3807241.91        5.93718  (09031218)
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464663.41	3807281.91	6.65575	(09031218)	464683.41	3807281.91	6.68359	(09031218)
464703.41	3807281.91	6.68050	(09031218)	464723.41	3807281.91	6.67490	(09031218)
464743.41	3807281.91	6.65852	(09031218)	464763.41	3807281.91	6.61589	(09031218)
464783.41	3807281.91	6.57056	(09031218)	464803.41	3807281.91	6.51467	(09031218)
464823.41	3807281.91	6.43329	(09031218)	464843.41	3807281.91	6.35082	(09031218)
464863.41	3807281.91	6.25854	(09031218)	464883.41	3807281.91	6.13951	(09031218)
464903.41	3807281.91	6.02541	(09031218)	464923.41	3807281.91	5.90491	(09031218)
464503.41	3807301.91	6.03208	(09031218)	464523.41	3807301.91	6.16863	(09031218)
464543.41	3807301.91	6.29024	(09031218)	464563.41	3807301.91	6.39621	(09031218)
464583.41	3807301.91	6.48590	(09031218)	464603.41	3807301.91	6.56715	(09031218)
464623.41	3807301.91	6.63288	(09031218)	464643.41	3807301.91	6.66660	(09031218)
464663.41	3807301.91	6.69920	(09031218)	464683.41	3807301.91	6.72019	(09031218)
464703.41	3807301.91	6.70914	(09031218)	464723.41	3807301.91	6.69847	(09031218)
464743.41	3807301.91	6.67915	(09031218)	464763.41	3807301.91	6.63792	(09031218)
464783.41	3807301.91	6.58292	(09031218)	464803.41	3807301.91	6.51288	(09031218)
464823.41	3807301.91	6.42147	(09031218)	464843.41	3807301.91	6.33382	(09031218)
464863.41	3807301.91	6.24033	(09031218)	464883.41	3807301.91	6.12721	(09031218)
464903.41	3807301.91	6.00331	(09031218)	464923.41	3807301.91	5.87870	(09120417)
464503.41	3807321.91	6.14181	(09031218)	464523.41	3807321.91	6.26183	(09031218)
464543.41	3807321.91	6.38004	(09031218)	464563.41	3807321.91	6.48547	(09031218)
464583.41	3807321.91	6.55793	(09031218)	464603.41			

3807321.91 6.62898 (09031218)
  464623.41 3807321.91 6.68777 (09031218) 464643.41
3807321.91 6.71340 (09031218)
  464663.41 3807321.91 6.73886 (09031218) 464683.41
3807321.91 6.75362 (09031218)
  464703.41 3807321.91 6.73917 (09031218) 464723.41
3807321.91 6.72012 (09031218)
  464743.41 3807321.91 6.69214 (09031218) 464763.41
3807321.91 6.65458 (09031218)
  464783.41 3807321.91 6.58922 (09031218) 464803.41
3807321.91 6.50420 (09031218)
  464823.41 3807321.91 6.41046 (09031218) 464843.41
3807321.91 6.31843 (09031218)
  464863.41 3807321.91 6.22010 (09031218) 464883.41
3807321.91 6.10723 (09031218)
  464903.41 3807321.91 5.97261 (09031218) 464923.41
3807321.91 5.84488 (09120417)
  464503.41 3807341.91 6.23642 (09031218) 464523.41
3807341.91 6.34901 (09031218)
  464543.41 3807341.91 6.46032 (09031218) 464563.41
3807341.91 6.55890 (09031218)
  464583.41 3807341.91 6.62332 (09031218) 464603.41
3807341.91 6.68716 (09031218)
  464623.41 3807341.91 6.73893 (09031218) 464643.41
3807341.91 6.75638 (09031218)
  464663.41 3807341.91 6.77464 (09031218) 464683.41
3807341.91 6.78533 (09031218)
  464703.41 3807341.91 6.77903 (09031218) 464723.41
3807341.91 6.74747 (09031218)
  464743.41 3807341.91 6.69963 (09031218) 464763.41
3807341.91 6.65580 (09031218)
  464783.41 3807341.91 6.58337 (09031218) 464803.41
3807341.91 6.49403 (09031218)
  464823.41 3807341.91 6.41009 (09031218) 464843.41
3807341.91 6.31622 (09031218)
  464863.41 3807341.91 6.20913 (09031218) 464883.41
3807341.91 6.07557 (09031218)
  464903.41 3807341.91 5.92991 (09031218) 464923.41
3807341.91 5.81219 (09120417)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730

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, L0006731    , L0006732    , L0006733    ,
                L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464503.41   3807361.91        6.33012  (09031218)               464523.41
3807361.91        6.44707  (09031218)
        464543.41   3807361.91        6.54720  (09031218)               464563.41
3807361.91        6.62883  (09031218)
        464583.41   3807361.91        6.68506  (09031218)               464603.41
3807361.91        6.74158  (09031218)
        464623.41   3807361.91        6.78841  (09031218)               464643.41
3807361.91        6.81069  (09031218)
        464663.41   3807361.91        6.81733  (09031218)               464683.41
3807361.91        6.81084  (09031218)
        464703.41   3807361.91        6.80096  (09031218)               464723.41
3807361.91        6.76957  (09031218)
        464743.41   3807361.91        6.72045  (09031218)               464763.41
3807361.91        6.65746  (09031218)
        464783.41   3807361.91        6.58248  (09031218)               464803.41
3807361.91        6.49776  (09031218)
        464823.41   3807361.91        6.40999  (09031218)               464843.41
3807361.91        6.30291  (09031218)
        464863.41   3807361.91        6.17938  (09031218)               464883.41
3807361.91        6.03658  (09031218)
        464903.41   3807361.91        5.90369  (09120417)               464923.41
3807361.91        5.80411  (09120417)
        464503.41   3807381.91        6.42672  (09031218)               464523.41
3807381.91        6.54247  (09031218)
        464543.41   3807381.91        6.63026  (09031218)               464563.41
3807381.91        6.69585  (09031218)
        464583.41   3807381.91        6.74878  (09031218)               464603.41
3807381.91        6.79638  (09031218)
        464623.41   3807381.91        6.83384  (09031218)               464643.41
3807381.91        6.86046  (09031218)
        464663.41   3807381.91        6.85905  (09031218)               464683.41
3807381.91        6.83894  (09031218)
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        464703.41   3807381.91        6.81706  (09031218)               464723.41
3807381.91        6.78493  (09031218)
        464743.41   3807381.91        6.73701  (09031218)               464763.41
3807381.91        6.66042  (09031218)
        464783.41   3807381.91        6.58130  (09031218)               464803.41
3807381.91        6.49507  (09031218)
        464823.41   3807381.91        6.40117  (09031218)               464843.41
3807381.91        6.28083  (09031218)
        464863.41   3807381.91        6.14288  (09031218)               464883.41
3807381.91        5.99876  (09031218)
        464903.41   3807381.91        5.88751  (09120417)               464923.41
3807381.91        5.79027  (09120417)
        464503.41   3807401.91        6.53266  (09031218)               464523.41
3807401.91        6.62647  (09031218)
        464543.41   3807401.91        6.70118  (09031218)               464563.41
3807401.91        6.76149  (09031218)
        464583.41   3807401.91        6.82371  (09031218)               464603.41
3807401.91        6.85779  (09031218)
        464623.41   3807401.91        6.87352  (09031218)               464643.41
3807401.91        6.89329  (09031218)
        464663.41   3807401.91        6.89574  (09031218)               464683.41
3807401.91        6.87919  (09031218)
        464703.41   3807401.91        6.83358  (09031218)               464723.41
3807401.91        6.78907  (09031218)
        464743.41   3807401.91        6.73755  (09031218)               464763.41
3807401.91        6.67032  (09031218)
        464783.41   3807401.91        6.57881  (09031218)               464803.41
3807401.91        6.47273  (09031218)
        464823.41   3807401.91        6.37316  (09031218)               464843.41
3807401.91        6.24652  (09031218)
        464863.41   3807401.91        6.10520  (09031218)               464883.41
3807401.91        5.97902  (09120417)
        464903.41   3807401.91        5.87191  (09120417)               464923.41
3807401.91        5.74909  (09120417)
        464503.41   3807421.91        6.62040  (09031218)               464523.41
3807421.91        6.70311  (09031218)
        464543.41   3807421.91        6.77741  (09031218)               464563.41
3807421.91        6.83904  (09031218)
        464583.41   3807421.91        6.88389  (09031218)               464603.41
3807421.91        6.91376  (09031218)
        464623.41   3807421.91        6.92825  (09031218)               464643.41
3807421.91        6.92688  (09031218)
        464663.41   3807421.91        6.91996  (09031218)               464683.41
3807421.91        6.90092  (09031218)
        464703.41   3807421.91        6.85794  (09031218)               464723.41
3807421.91        6.80064  (09031218)
        464743.41   3807421.91        6.73175  (09031218)               464763.41
3807421.91        6.66152  (09031218)
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Industrial Park\I15 Industrial ***        05/09/22
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*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S):   L0006729   , L0006730 , L0006731   , L0006732   , L0006733   ,
L0006734   , L0006735   , L0006736   , L0006737   , L0006738 , L0006739   , L0006740   , L0006741   ,
L0006742   , L0006743   , L0006744   , L0006745   , L0006746 , L0006747   , L0006748   , L0006749   ,
L0006750   , L0006751   , L0006752   , L0006753   , L0006754 , L0006755   , L0006756   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464783.41	3807421.91	6.57102	(09031218)	464803.41	3807421.91	6.46441	(09031218)
464823.41	3807421.91	6.34591	(09031218)	464843.41	3807421.91	6.21760	(09031218)
464863.41	3807421.91	6.07939	(09031218)	464883.41	3807421.91	5.95586	(09120417)
464903.41	3807421.91	5.84923	(09120417)	464923.41	3807421.91	5.73201	(09120417)
464503.41	3807441.91	6.70151	(09031218)	464523.41	3807441.91	6.78068	(09031218)
464543.41	3807441.91	6.85352	(09031218)	464563.41	3807441.91	6.91198	(09031218)
464583.41	3807441.91	6.94193	(09031218)	464603.41	3807441.91	6.96692	(09031218)
464623.41	3807441.91	6.97858	(09031218)	464643.41	3807441.91	6.96218	(09031218)
464663.41	3807441.91	6.94237	(09031218)	464683.41	3807441.91	6.91403	(09031218)
464703.41	3807441.91	6.87640	(09031218)	464723.41	3807441.91	6.81131	(09031218)
464743.41	3807441.91	6.72886	(09031218)	464763.41	3807441.91	6.64685	(09031218)
464783.41	3807441.91	6.55640	(09031218)	464803.41			

3807441.91 6.45115 (09031218)
464823.41 3807441.91 6.31461 (09031218) 464843.41
3807441.91 6.18456 (09031218)
464863.41 3807441.91 6.04850 (09031218) 464883.41
3807441.91 5.92135 (09120417)
464903.41 3807441.91 5.81673 (09120417) 464923.41
3807441.91 5.70772 (09120417)
464503.41 3807461.91 6.78128 (09031218) 464523.41
3807461.91 6.86919 (09031218)
464543.41 3807461.91 6.92842 (09031218) 464563.41
3807461.91 6.96810 (09031218)
464583.41 3807461.91 7.00762 (09031218) 464603.41
3807461.91 7.01881 (09031218)
464623.41 3807461.91 7.01134 (09031218) 464643.41
3807461.91 7.00553 (09031218)
464663.41 3807461.91 6.97192 (09031218) 464683.41
3807461.91 6.92115 (09031218)
464703.41 3807461.91 6.87702 (09031218) 464723.41
3807461.91 6.81680 (09031218)
464743.41 3807461.91 6.73884 (09031218) 464763.41
3807461.91 6.63287 (09031218)
464783.41 3807461.91 6.53041 (09031218) 464803.41
3807461.91 6.41926 (09031218)
464823.41 3807461.91 6.27603 (09031218) 464843.41
3807461.91 6.14039 (09031218)
464863.41 3807461.91 6.00838 (09120417) 464883.41
3807461.91 5.87674 (09120417)
464903.41 3807461.91 5.76677 (09120417) 464923.41
3807461.91 5.65985 (09011918)
464503.41 3807481.91 6.85480 (09031218) 464523.41
3807481.91 6.93870 (09031218)
464543.41 3807481.91 6.99791 (09031218) 464563.41
3807481.91 7.03635 (09031218)
464583.41 3807481.91 7.05809 (09031218) 464603.41
3807481.91 7.06507 (09031218)
464623.41 3807481.91 7.05688 (09031218) 464643.41
3807481.91 7.03309 (09031218)
464663.41 3807481.91 6.99572 (09031218) 464683.41
3807481.91 6.94438 (09031218)
464703.41 3807481.91 6.87864 (09031218) 464723.41
3807481.91 6.80936 (09031218)
464743.41 3807481.91 6.72721 (09031218) 464763.41
3807481.91 6.61050 (09031218)
464783.41 3807481.91 6.50063 (09031218) 464803.41
3807481.91 6.38365 (09031218)
464823.41 3807481.91 6.23387 (09031218) 464843.41
3807481.91 6.09276 (09031218)
464863.41 3807481.91 5.97068 (09120417) 464883.41
3807481.91 5.85832 (09120417)
464903.41 3807481.91 5.73386 (09120417) 464923.41

3807481.91 5.71142 (09011918)
  464503.41 3807501.91 6.93224 (09031218) 464523.41
3807501.91 7.00852 (09031218)
  464543.41 3807501.91 7.06457 (09031218) 464563.41
3807501.91 7.09980 (09031218)
  464583.41 3807501.91 7.10633 (09031218) 464603.41
3807501.91 7.10841 (09031218)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464623.41	3807501.91	7.09749	(09031218)	464643.41	3807501.91	7.05844	(09031218)
464663.41	3807501.91	7.01663	(09031218)	464683.41	3807501.91	6.96306	(09031218)
464703.41	3807501.91	6.88223	(09031218)	464723.41	3807501.91	6.80026	(09031218)
464743.41	3807501.91	6.70788	(09031218)	464763.41	3807501.91	6.58958	(09031218)
464783.41	3807501.91	6.47177	(09031218)	464803.41	3807501.91	6.34521	(09031218)
464823.41	3807501.91	6.19461	(09031218)	464843.41	3807501.91	6.04636	(09031218)
464863.41	3807501.91	5.92925	(09120417)	464883.41	3807501.91	5.83399	(09120417)

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        464903.41   3807501.91        5.73062  (09011918)              464923.41
3807501.91        5.75856  (09011918)
        464503.41   3807521.91        7.02530  (09031218)              464523.41
3807521.91        7.09326  (09031218)
        464543.41   3807521.91        7.12989  (09031218)              464563.41
3807521.91        7.14589  (09031218)
        464583.41   3807521.91        7.16240  (09031218)              464603.41
3807521.91        7.15045  (09031218)
        464623.41   3807521.91        7.12005  (09031218)              464643.41
3807521.91        7.09208  (09031218)
        464663.41   3807521.91        7.03631  (09031218)              464683.41
3807521.91        6.96328  (09031218)
        464703.41   3807521.91        6.89442  (09031218)              464723.41
3807521.91        6.79877  (09031218)
        464743.41   3807521.91        6.68731  (09031218)              464763.41
3807521.91        6.58163  (09031218)
        464783.41   3807521.91        6.45071  (09031218)              464803.41
3807521.91        6.30579  (09031218)
        464823.41   3807521.91        6.16840  (09031218)              464843.41
3807521.91        6.00791  (09031218)
        464863.41   3807521.91        5.88113  (09120417)              464883.41
3807521.91        5.78059  (09120417)
        464903.41   3807521.91        5.77845  (09011918)              464923.41
3807521.91        5.80001  (09011918)
        464503.41   3807541.91        7.11208  (09031218)              464523.41
3807541.91        7.15869  (09031218)
        464543.41   3807541.91        7.18959  (09031218)              464563.41
3807541.91        7.20443  (09031218)
        464583.41   3807541.91        7.20280  (09031218)              464603.41
3807541.91        7.18671  (09031218)
        464623.41   3807541.91        7.15576  (09031218)              464643.41
3807541.91        7.10954  (09031218)
        464663.41   3807541.91        7.05014  (09031218)              464683.41
3807541.91        6.97716  (09031218)
        464703.41   3807541.91        6.89021  (09031218)              464723.41
3807541.91        6.79148  (09031218)
        464743.41   3807541.91        6.68064  (09031218)              464763.41
3807541.91        6.55738  (09031218)
        464783.41   3807541.91        6.41366  (09031218)              464803.41
3807541.91        6.25993  (09031218)
        464823.41   3807541.91        6.12117  (09031218)              464843.41
3807541.91        5.98402  (09120417)
        464863.41   3807541.91        5.86443  (09120417)              464883.41
3807541.91        5.79830  (09011918)
        464903.41   3807541.91        5.82897  (09011918)              464923.41
3807541.91        5.85244  (09011918)
        464503.41   3807561.91        7.18944  (09031218)              464523.41
3807561.91        7.22069  (09031218)
        464543.41   3807561.91        7.24632  (09031218)              464563.41
3807561.91        7.25802  (09031218)
```

3807581.91 7.29370 (09031218)
464583.41 3807581.91 7.28708 (09031218) 464603.41
3807581.91 7.25193 (09031218)
464623.41 3807581.91 7.19859 (09031218) 464643.41
3807581.91 7.14853 (09031218)
464663.41 3807581.91 7.07071 (09031218) 464683.41
3807581.91 6.97605 (09031218)
464703.41 3807581.91 6.88635 (09031218) 464723.41
3807581.91 6.77016 (09031218)
464743.41 3807581.91 6.63432 (09031218) 464763.41
3807581.91 6.48391 (09031218)
464783.41 3807581.91 6.34074 (09031218) 464803.41
3807581.91 6.19224 (09031218)
464823.41 3807581.91 6.01689 (09031218) 464843.41
3807581.91 5.89965 (09120417)
464863.41 3807581.91 5.87111 (09011918) 464883.41
3807581.91 5.88736 (09011918)
464903.41 3807581.91 5.91117 (09011918) 464923.41
3807581.91 5.93577 (09011918)
464503.41 3807601.91 7.32481 (09031218) 464523.41
3807601.91 7.36003 (09031218)
464543.41 3807601.91 7.36260 (09031218) 464563.41
3807601.91 7.34224 (09031218)
464583.41 3807601.91 7.31714 (09031218) 464603.41
3807601.91 7.27795 (09031218)
464623.41 3807601.91 7.22429 (09031218) 464643.41
3807601.91 7.15574 (09031218)
464663.41 3807601.91 7.07445 (09031218) 464683.41
3807601.91 6.98006 (09031218)
464703.41 3807601.91 6.87219 (09031218) 464723.41
3807601.91 6.74257 (09031218)
464743.41 3807601.91 6.59939 (09031218) 464763.41
3807601.91 6.45856 (09031218)
464783.41 3807601.91 6.30666 (09031218) 464803.41
3807601.91 6.14487 (09031218)
464823.41 3807601.91 5.99371 (09120417) 464843.41
3807601.91 5.88739 (09011918)
464863.41 3807601.91 5.91616 (09011918) 464883.41
3807601.91 5.93860 (09011918)
464903.41 3807601.91 5.95361 (09011918) 464923.41
3807601.91 5.96394 (09011918)
464503.41 3807621.91 7.39962 (09031218) 464523.41
3807621.91 7.42174 (09031218)
464543.41 3807621.91 7.41496 (09031218) 464563.41
3807621.91 7.38569 (09031218)
464583.41 3807621.91 7.34485 (09031218) 464603.41
3807621.91 7.30094 (09031218)
464623.41 3807621.91 7.24485 (09031218) 464643.41
3807621.91 7.16071 (09031218)
464663.41 3807621.91 7.07524 (09031218) 464683.41

3807621.91 6.97810 (09031218)
  464703.41 3807621.91 6.84927 (09031218) 464723.41
3807621.91 6.71220 (09031218)
  464743.41 3807621.91 6.56884 (09031218) 464763.41
3807621.91 6.43011 (09031218)
  464783.41 3807621.91 6.26959 (09031218) 464803.41
3807621.91 6.09679 (09031218)
  464823.41 3807621.91 5.97300 (09120417) 464843.41
3807621.91 5.94369 (09011918)
  464863.41 3807621.91 5.96310 (09011918) 464883.41
3807621.91 5.98713 (09011918)
  464903.41 3807621.91 5.99554 (09011918) 464923.41
3807621.91 5.99506 (09011918)
  464503.41 3807641.91 7.46882 (09031218) 464523.41
3807641.91 7.46679 (09031218)
  464543.41 3807641.91 7.44553 (09031218) 464563.41
3807641.91 7.41068 (09031218)
  464583.41 3807641.91 7.38093 (09031218) 464603.41
3807641.91 7.32262 (09031218)
  464623.41 3807641.91 7.24647 (09031218) 464643.41
3807641.91 7.17444 (09031218)
  464663.41 3807641.91 7.07482 (09031218) 464683.41
3807641.91 6.95434 (09031218)
  464703.41 3807641.91 6.81801 (09031218) 464723.41
3807641.91 6.68810 (09031218)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464743.41	3807641.91	6.55173	(09031218)	464763.41	3807641.91	6.38673	(09031218)
464783.41	3807641.91	6.22730	(09031218)	464803.41	3807641.91	6.07625	(09120417)
464823.41	3807641.91	5.96604	(09011918)	464843.41	3807641.91	5.99518	(09011918)
464863.41	3807641.91	6.01978	(09011918)	464883.41	3807641.91	6.02337	(09011918)
464903.41	3807641.91	6.03300	(09011918)	464923.41	3807641.91	6.04002	(09011918)
464503.41	3807661.91	7.53622	(09031218)	464523.41	3807661.91	7.52351	(09031218)
464543.41	3807661.91	7.49353	(09031218)	464563.41	3807661.91	7.44898	(09031218)
464583.41	3807661.91	7.40044	(09031218)	464603.41	3807661.91	7.33824	(09031218)
464623.41	3807661.91	7.26200	(09031218)	464643.41	3807661.91	7.17131	(09031218)
464663.41	3807661.91	7.06840	(09031218)	464683.41	3807661.91	6.95071	(09031218)
464703.41	3807661.91	6.80792	(09031218)	464723.41	3807661.91	6.66311	(09031218)
464743.41	3807661.91	6.51268	(09031218)	464763.41	3807661.91	6.35361	(09031218)
464783.41	3807661.91	6.18436	(09031218)	464803.41	3807661.91	6.03783	(09120417)
464823.41	3807661.91	6.02427	(09011918)	464843.41	3807661.91	6.04532	(09011918)
464863.41	3807661.91	6.05914	(09011918)	464883.41	3807661.91	6.06779	(09011918)
464903.41	3807661.91	6.06992	(09011918)	464923.41	3807661.91	6.06630	(09011918)
464503.41	3807681.91	7.60017	(09031218)	464523.41	3807681.91	7.58029	(09031218)
464543.41	3807681.91	7.54322	(09031218)	464563.41	3807681.91	7.48951	(09031218)
464583.41	3807681.91	7.41977	(09031218)	464603.41	3807681.91	7.35080	(09031218)
464623.41	3807681.91	7.27230	(09031218)	464643.41	3807681.91	7.16595	(09031218)
464663.41	3807681.91	7.05901	(09031218)	464683.41	3807681.91	6.94185	(09031218)
464703.41	3807681.91	6.79841	(09031218)	464723.41	3807681.91	6.64000	(09031218)
464743.41	3807681.91	6.47272	(09031218)	464763.41	3807681.91	6.31608	(09031218)

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        464783.41   3807681.91        6.14014  (09120417)               464803.41
3807681.91        6.04843  (09011918)
        464823.41   3807681.91        6.07851  (09011918)               464843.41
3807681.91        6.09259  (09011918)
        464863.41   3807681.91        6.09719  (09011918)               464883.41
3807681.91        6.10867  (09011918)
        464903.41   3807681.91        6.10449  (09011918)               464923.41
3807681.91        6.09202  (09011918)
        464523.41   3807701.91        7.63255  (09031218)               464543.41
3807701.91        7.58839  (09031218)
        464563.41   3807701.91        7.52766  (09031218)               464583.41
3807701.91        7.45098  (09031218)
        464603.41   3807701.91        7.36205  (09031218)               464623.41
3807701.91        7.26331  (09031218)
        464643.41   3807701.91        7.16953  (09031218)               464663.41
3807701.91        7.04845  (09031218)
        464683.41   3807701.91        6.91158  (09031218)               464703.41
3807701.91        6.78136  (09031218)
        464723.41   3807701.91        6.62259  (09031218)               464743.41
3807701.91        6.44635  (09031218)
        464763.41   3807701.91        6.26365  (09031218)               464783.41
3807701.91        6.11096  (09120417)
        464803.41   3807701.91        6.11081  (09011918)               464823.41
3807701.91        6.12049  (09011918)
        464843.41   3807701.91        6.13518  (09011918)               464863.41
3807701.91        6.14666  (09011918)
        464883.41   3807701.91        6.13661  (09011918)               464903.41
3807701.91        6.13469  (09011918)
        464923.41   3807701.91        6.13109  (09011918)               464543.41
3807721.91        7.62155  (09031218)
        464563.41   3807721.91        7.54169  (09031218)               464583.41
3807721.91        7.45656  (09031218)
        464603.41   3807721.91        7.35634  (09031218)               464623.41
3807721.91        7.24697  (09031218)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 608
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK395 ***
                                  INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                  L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                  L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
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L0006750 , L0006751 , L0006752 , L0006753 , L0006754
, L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464643.41	3807721.91	7.15063	(09031218)	464663.41	3807721.91	7.03185	(09031218)
464683.41	3807721.91	6.89574	(09031218)	464703.41	3807721.91	6.74743	(09031218)
464723.41	3807721.91	6.57867	(09031218)	464743.41	3807721.91	6.39802	(09031218)
464763.41	3807721.91	6.22164	(09031218)	464783.41	3807721.91	6.13622	(09011918)
464803.41	3807721.91	6.15609	(09011918)	464823.41	3807721.91	6.17008	(09011918)
464843.41	3807721.91	6.17695	(09011918)	464863.41	3807721.91	6.17758	(09011918)
464883.41	3807721.91	6.17407	(09011918)	464903.41	3807721.91	6.16477	(09011918)
464923.41	3807721.91	6.15037	(09011918)	464943.41	3807721.91	6.13294	(09011918)
464963.41	3807721.91	6.11041	(09011918)	464983.41	3807721.91	6.08333	(09011918)
465003.41	3807721.91	6.05359	(09011918)	465023.41	3807721.91	6.01879	(09011918)
465043.41	3807721.91	5.97928	(09011918)	465063.41	3807721.91	5.93677	(09011918)
465083.41	3807721.91	5.88862	(09011918)	465103.41	3807721.91	5.83219	(09011918)
465123.41	3807721.91	5.75821	(09011918)	465143.41	3807721.91	5.69008	(09011918)
465163.41	3807721.91	5.61836	(09011918)	465183.41	3807721.91	5.52698	(09011918)
465203.41	3807721.91	5.43888	(09011918)	465223.41	3807721.91	5.34878	(09011918)
465243.41	3807721.91	5.25255	(09011918)	465263.41	3807721.91	5.14781	(09011918)
465283.41	3807721.91	5.03256	(09011918)	465303.41	3807721.91	4.89972	(09011918)
465323.41	3807721.91	4.76902	(09011918)	465343.41	3807721.91	4.63291	(09011918)
465363.41	3807721.91	4.47948	(09011918)	465383.41			

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3807721.91        4.32734  (09011918)
        464543.41   3807741.91        7.66233  (09031218)                464563.41
3807741.91        7.56123  (09031218)
        464583.41   3807741.91        7.46265  (09031218)                464603.41
3807741.91        7.35266  (09031218)
        464623.41   3807741.91        7.23566  (09031218)                464643.41
3807741.91        7.13251  (09031218)
        464663.41   3807741.91        7.01230  (09031218)                464683.41
3807741.91        6.87387  (09031218)
        464703.41   3807741.91        6.70474  (09031218)                464723.41
3807741.91        6.52906  (09031218)
        464743.41   3807741.91        6.34889  (09031218)                464763.41
3807741.91        6.19350  (09120417)
        464783.41   3807741.91        6.18941  (09011918)                464803.41
3807741.91        6.19971  (09011918)
        464823.41   3807741.91        6.21592  (09011918)                464843.41
3807741.91        6.21251  (09011918)
        464863.41   3807741.91        6.19985  (09011918)                464883.41
3807741.91        6.20642  (09011918)
        464903.41   3807741.91        6.18870  (09011918)                464923.41
3807741.91        6.16102  (09011918)
        464943.41   3807741.91        6.15531  (09011918)                464963.41
3807741.91        6.12450  (09011918)
        464983.41   3807741.91        6.08404  (09011918)                465003.41
3807741.91        6.06677  (09011918)
        465023.41   3807741.91        6.02791  (09011918)                465043.41
3807741.91        5.97940  (09011918)
        465063.41   3807741.91        5.94218  (09011918)                465083.41
3807741.91        5.88340  (09011918)
        465103.41   3807741.91        5.81180  (09011918)                465123.41
3807741.91        5.74007  (09011918)
        465143.41   3807741.91        5.67597  (09011918)                465163.41
3807741.91        5.60758  (09011918)
        465183.41   3807741.91        5.51754  (09011918)                465203.41
3807741.91        5.41729  (09011918)
        465223.41   3807741.91        5.31195  (09011918)                465243.41
3807741.91        5.21806  (09011918)
        465263.41   3807741.91        5.10175  (09011918)                465283.41
3807741.91        4.97170  (09011918)
        465303.41   3807741.91        4.83881  (09011918)                465323.41
3807741.91        4.70925  (09011918)
        465343.41   3807741.91        4.57390  (09011918)                465363.41
3807741.91        4.42001  (09011918)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 609
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 , L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 , L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 , L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465383.41	3807741.91	4.25740	(09011918)	464543.41	3807761.91	7.72038	(09031218)
464563.41	3807761.91	7.61015	(09031218)	464583.41	3807761.91	7.48971	(09031218)
464603.41	3807761.91	7.36675	(09031218)	464623.41	3807761.91	7.24334	(09031218)
464643.41	3807761.91	7.13237	(09031218)	464663.41	3807761.91	6.99162	(09031218)
464683.41	3807761.91	6.82987	(09031218)	464703.41	3807761.91	6.65376	(09031218)
464723.41	3807761.91	6.48597	(09031218)	464743.41	3807761.91	6.31349	(09031218)
464763.41	3807761.91	6.21733	(09011918)	464783.41	3807761.91	6.23770	(09011918)
464803.41	3807761.91	6.25413	(09011918)	464823.41	3807761.91	6.24882	(09011918)
464843.41	3807761.91	6.23393	(09011918)	464863.41	3807761.91	6.21618	(09011918)
464883.41	3807761.91	6.21991	(09011918)	464903.41	3807761.91	6.19804	(09011918)
464923.41	3807761.91	6.16612	(09011918)	464943.41	3807761.91	6.15806	(09011918)
464963.41	3807761.91	6.12367	(09011918)	464983.41	3807761.91	6.07949	(09011918)
465003.41	3807761.91	6.05994	(09011918)	465023.41	3807761.91	6.03267	(09011918)
465043.41	3807761.91	5.99480	(09011918)	465063.41	3807761.91	5.93308	(09011918)

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        465083.41   3807761.91        5.86331  (09011918)              465103.41
3807761.91        5.79165  (09011918)
        465123.41   3807761.91        5.73761  (09011918)              465143.41
3807761.91        5.66148  (09011918)
        465163.41   3807761.91        5.57528  (09011918)              465183.41
3807761.91        5.50051  (09011918)
        465203.41   3807761.91        5.40081  (09011918)              465223.41
3807761.91        5.28721  (09011918)
        465243.41   3807761.91        5.16935  (09011918)              465263.41
3807761.91        5.04177  (09011918)
        465283.41   3807761.91        4.90976  (09011918)              465303.41
3807761.91        4.78883  (09011918)
        465323.41   3807761.91        4.64768  (09011918)              465343.41
3807761.91        4.49678  (09011918)
        465363.41   3807761.91        4.35360  (09011918)              465383.41
3807761.91        4.19074  (09011918)
        464543.41   3807781.91        7.75856  (09031218)              464563.41
3807781.91        7.66238  (09031218)
        464583.41   3807781.91        7.54391  (09031218)              464603.41
3807781.91        7.41034  (09031218)
        464623.41   3807781.91        7.26462  (09031218)              464643.41
3807781.91        7.11474  (09031218)
        464663.41   3807781.91        6.96489  (09031218)              464683.41
3807781.91        6.80653  (09031218)
        464703.41   3807781.91        6.62440  (09031218)              464723.41
3807781.91        6.44215  (09031218)
        464743.41   3807781.91        6.26257  (09120417)              464763.41
3807781.91        6.27266  (09011918)
        464783.41   3807781.91        6.28485  (09011918)              464803.41
3807781.91        6.28775  (09011918)
        464823.41   3807781.91        6.27313  (09011918)              464843.41
3807781.91        6.26277  (09011918)
        464863.41   3807781.91        6.25202  (09011918)              464883.41
3807781.91        6.23574  (09011918)
        464903.41   3807781.91        6.21615  (09011918)              464923.41
3807781.91        6.19251  (09011918)
        464943.41   3807781.91        6.16391  (09011918)              464963.41
3807781.91        6.13244  (09011918)
        464983.41   3807781.91        6.09704  (09011918)              465003.41
3807781.91        6.05656  (09011918)
        465023.41   3807781.91        6.02354  (09011918)              465043.41
3807781.91        5.98559  (09011918)
        465063.41   3807781.91        5.91566  (09011918)              465083.41
3807781.91        5.85244  (09011918)
        465103.41   3807781.91        5.78860  (09011918)              465123.41
3807781.91        5.71775  (09011918)
        465143.41   3807781.91        5.64138  (09011918)              465163.41
3807781.91        5.55812  (09011918)
        465183.41   3807781.91        5.46673  (09011918)              465203.41
3807781.91        5.35860  (09011918)
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465263.41	3807781.91	4.99950	(09011918)	465283.41	3807781.91	4.85995	(09011918)
465303.41	3807781.91	4.72344	(09011918)	465323.41	3807781.91	4.58032	(09011918)
465343.41	3807781.91	4.43029	(09011918)	465363.41	3807781.91	4.27330	(09011918)
465383.41	3807781.91	4.10349	(09011918)	464543.41	3807801.91	7.76567	(09031218)
464563.41	3807801.91	7.69035	(09031218)	464583.41	3807801.91	7.57943	(09031218)
464603.41	3807801.91	7.44040	(09031218)	464623.41	3807801.91	7.27659	(09031218)
464643.41	3807801.91	7.09590	(09031218)	464663.41	3807801.91	6.93526	(09031218)
464683.41	3807801.91	6.77709	(09031218)	464703.41	3807801.91	6.58895	(09031218)
464723.41	3807801.91	6.39528	(09031218)	464743.41	3807801.91	6.30250	(09011918)
464763.41	3807801.91	6.32401	(09011918)	464783.41			

3807801.91 6.32560 (09011918)
464803.41 3807801.91 6.31341 (09011918) 464823.41
3807801.91 6.29925 (09011918)
464843.41 3807801.91 6.29289 (09011918) 464863.41
3807801.91 6.28442 (09011918)
464883.41 3807801.91 6.25542 (09011918) 464903.41
3807801.91 6.23618 (09011918)
464923.41 3807801.91 6.21560 (09011918) 464943.41
3807801.91 6.17421 (09011918)
464963.41 3807801.91 6.14340 (09011918) 464983.41
3807801.91 6.11119 (09011918)
465003.41 3807801.91 6.05773 (09011918) 465023.41
3807801.91 6.01447 (09011918)
465043.41 3807801.91 5.96894 (09011918) 465063.41
3807801.91 5.90168 (09011918)
465083.41 3807801.91 5.84312 (09011918) 465103.41
3807801.91 5.78086 (09011918)
465123.41 3807801.91 5.69657 (09011918) 465143.41
3807801.91 5.61880 (09011918)
465163.41 3807801.91 5.53496 (09011918) 465183.41
3807801.91 5.42459 (09011918)
465203.41 3807801.91 5.31097 (09011918) 465223.41
3807801.91 5.19458 (09011918)
465243.41 3807801.91 5.08362 (09011918) 465263.41
3807801.91 4.95083 (09011918)
465283.41 3807801.91 4.80465 (09011918) 465303.41
3807801.91 4.65559 (09011918)
465323.41 3807801.91 4.50974 (09011918) 465343.41
3807801.91 4.35815 (09011918)
465363.41 3807801.91 4.18578 (09011918) 465383.41
3807801.91 4.01162 (09011918)
464543.41 3807821.91 7.74665 (09031218) 464563.41
3807821.91 7.68575 (09031218)
464583.41 3807821.91 7.58854 (09031218) 464603.41
3807821.91 7.44683 (09031218)
464623.41 3807821.91 7.27017 (09031218) 464643.41
3807821.91 7.08433 (09031218)
464663.41 3807821.91 6.90455 (09031218) 464683.41
3807821.91 6.72320 (09031218)
464703.41 3807821.91 6.52844 (09031218) 464723.41
3807821.91 6.34307 (09031218)
464743.41 3807821.91 6.36240 (09011918) 464763.41
3807821.91 6.36241 (09011918)
464783.41 3807821.91 6.35214 (09011918) 464803.41
3807821.91 6.33785 (09011918)
464823.41 3807821.91 6.34070 (09011918) 464843.41
3807821.91 6.32321 (09011918)
464863.41 3807821.91 6.29698 (09011918) 464883.41
3807821.91 6.28724 (09011918)
464903.41 3807821.91 6.25687 (09011918) 464923.41

3807821.91   6.21826 (09011918)
        464943.41   3807821.91   6.19726 (09011918)   464963.41
3807821.91   6.15513 (09011918)
        464983.41   3807821.91   6.10469 (09011918)   465003.41
3807821.91   6.07151 (09011918)
        465023.41   3807821.91   6.01657 (09011918)   465043.41
3807821.91   5.95271 (09011918)
        465063.41   3807821.91   5.90438 (09011918)   465083.41
3807821.91   5.83372 (09011918)
        465103.41   3807821.91   5.75321 (09011918)   465123.41
3807821.91   5.68556 (09011918)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                  INCLUDING SOURCE(S):   L0006729   , L0006730
, L0006731   , L0006732   , L0006733   ,
                  L0006734   , L0006735   , L0006736   , L0006737   , L0006738
, L0006739   , L0006740   , L0006741   ,
                  L0006742   , L0006743   , L0006744   , L0006745   , L0006746
, L0006747   , L0006748   , L0006749   ,
                  L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465143.41   3807821.91   5.59541 (09011918)   465163.41
3807821.91   5.49020 (09011918)
        465183.41   3807821.91   5.37481 (09011918)   465203.41
3807821.91   5.26883 (09011918)
        465223.41   3807821.91   5.15859 (09011918)   465243.41
3807821.91   5.02438 (09011918)
        465263.41   3807821.91   4.88049 (09011918)   465283.41
3807821.91   4.73213 (09011918)
        465303.41   3807821.91   4.59421 (09011918)   465323.41
3807821.91   4.43739 (09011918)

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        465343.41   3807821.91        4.26838  (09011918)              465363.41
3807821.91        4.09181  (09011918)
        465383.41   3807821.91        3.92391  (09011918)              464543.41
3807841.91        7.69898  (09120417)
        464563.41   3807841.91        7.64500  (09120417)              464583.41
3807841.91        7.57336  (09031218)
        464603.41   3807841.91        7.45176  (09031218)              464623.41
3807841.91        7.27544  (09031218)
        464643.41   3807841.91        7.08928  (09031218)              464663.41
3807841.91        6.89344  (09031218)
        464683.41   3807841.91        6.69021  (09031218)              464723.41
3807841.91        6.39354  (09011918)
        464743.41   3807841.91        6.40177  (09011918)              464763.41
3807841.91        6.39198  (09011918)
        464783.41   3807841.91        6.38565  (09011918)              464803.41
3807841.91        6.37839  (09011918)
        464823.41   3807841.91        6.36523  (09011918)              464843.41
3807841.91        6.34849  (09011918)
        464863.41   3807841.91        6.32751  (09011918)              464883.41
3807841.91        6.30148  (09011918)
        464903.41   3807841.91        6.27261  (09011918)              464923.41
3807841.91        6.23992  (09011918)
        464943.41   3807841.91        6.20233  (09011918)              464963.41
3807841.91        6.16186  (09011918)
        464983.41   3807841.91        6.11725  (09011918)              465003.41
3807841.91        6.06719  (09011918)
        465023.41   3807841.91        6.01346  (09011918)              465043.41
3807841.91        5.95459  (09011918)
        465063.41   3807841.91        5.88917  (09011918)              465083.41
3807841.91        5.81876  (09011918)
        465103.41   3807841.91        5.74188  (09011918)              465123.41
3807841.91        5.65719  (09011918)
        465143.41   3807841.91        5.56613  (09011918)              465163.41
3807841.91        5.46528  (09011918)
        465183.41   3807841.91        5.34455  (09011918)              465203.41
3807841.91        5.22516  (09011918)
        465223.41   3807841.91        5.10235  (09011918)              465243.41
3807841.91        4.97265  (09011918)
        465263.41   3807841.91        4.82657  (09011918)              465283.41
3807841.91        4.67084  (09011918)
        465303.41   3807841.91        4.51809  (09011918)              465323.41
3807841.91        4.35123  (09011918)
        465343.41   3807841.91        4.17746  (09011918)              465363.41
3807841.91        4.00873  (09011918)
        465383.41   3807841.91        3.83515  (09011918)              464503.41
3807861.91        7.77168  (09120417)
        464523.41   3807861.91        7.74510  (09120417)              464543.41
3807861.91        7.71625  (09120417)
        464563.41   3807861.91        7.67842  (09120417)              464583.41
3807861.91        7.59699  (09120417)
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        464603.41   3807861.91        7.43589  (09120417)               464723.41
3807861.91        6.44008  (09011918)
        464743.41   3807861.91        6.43204  (09011918)               464763.41
3807861.91        6.41585  (09011918)
        464783.41   3807861.91        6.41488  (09011918)               464803.41
3807861.91        6.41487  (09011918)
        464823.41   3807861.91        6.38875  (09011918)               464843.41
3807861.91        6.37217  (09011918)
        464863.41   3807861.91        6.35417  (09011918)               464883.41
3807861.91        6.31517  (09011918)
        464903.41   3807861.91        6.28700  (09011918)               464923.41
3807861.91        6.25769  (09011918)
        464943.41   3807861.91        6.20700  (09011918)               464963.41
3807861.91        6.16720  (09011918)
        464983.41   3807861.91        6.12569  (09011918)               465003.41
3807861.91        6.06229  (09011918)
        465023.41   3807861.91        6.00863  (09011918)               465043.41
3807861.91        5.95193  (09011918)
        465063.41   3807861.91        5.87291  (09011918)               465083.41
3807861.91        5.80155  (09011918)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 612
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK395 ***
                                  INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                  L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                  L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                  L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        465103.41   3807861.91        5.72552  (09011918)               465123.41
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3807861.91 5.62712 (09011918)
465143.41 3807861.91 5.53398 (09011918) 465163.41
3807861.91 5.43479 (09011918)
465183.41 3807861.91 5.31389 (09011918) 465203.41
3807861.91 5.18215 (09011918)
465223.41 3807861.91 5.04445 (09011918) 465243.41
3807861.91 4.91584 (09011918)
465263.41 3807861.91 4.76636 (09011918) 465283.41
3807861.91 4.60419 (09011918)
465303.41 3807861.91 4.43955 (09011918) 465323.41
3807861.91 4.26628 (09011918)
465343.41 3807861.91 4.08929 (09011918) 465363.41
3807861.91 3.92274 (09011918)
465383.41 3807861.91 3.74858 (09011918) 464503.41
3807881.91 7.80160 (09120417)
464523.41 3807881.91 7.76703 (09120417) 464543.41
3807881.91 7.73345 (09120417)
464723.41 3807881.91 6.47232 (09011918) 464743.41
3807881.91 6.45767 (09011918)
464763.41 3807881.91 6.43539 (09011918) 464783.41
3807881.91 6.43048 (09011918)
464803.41 3807881.91 6.43137 (09011918) 464823.41
3807881.91 6.42431 (09011918)
464843.41 3807881.91 6.39643 (09011918) 464863.41
3807881.91 6.36014 (09011918)
464883.41 3807881.91 6.34181 (09011918) 464903.41
3807881.91 6.30223 (09011918)
464923.41 3807881.91 6.25442 (09011918) 464943.41
3807881.91 6.22477 (09011918)
464963.41 3807881.91 6.17328 (09011918) 464983.41
3807881.91 6.11311 (09011918)
465003.41 3807881.91 6.06983 (09011918) 465023.41
3807881.91 6.00404 (09011918)
465043.41 3807881.91 5.92868 (09011918) 465063.41
3807881.91 5.86771 (09011918)
465083.41 3807881.91 5.78384 (09011918) 465103.41
3807881.91 5.68942 (09011918)
465123.41 3807881.91 5.60632 (09011918) 465143.41
3807881.91 5.50054 (09011918)
465163.41 3807881.91 5.38364 (09011918) 465183.41
3807881.91 5.27531 (09011918)
465203.41 3807881.91 5.14280 (09011918) 465223.41
3807881.91 4.99657 (09011918)
465243.41 3807881.91 4.84561 (09011918) 465263.41
3807881.91 4.68539 (09011918)
465283.41 3807881.91 4.52107 (09011918) 465303.41
3807881.91 4.36724 (09011918)
465323.41 3807881.91 4.19380 (09011918) 465343.41
3807881.91 4.01032 (09011918)
465363.41 3807881.91 3.82541 (09011918) 465383.41

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3807881.91        3.65397  (09011918)
        464723.41   3807901.91        6.52648  (09011918)                464743.41
3807901.91        6.48194  (09011918)
        464763.41   3807901.91        6.47348  (09011918)                464783.41
3807901.91        6.45806  (09011918)
        464803.41   3807901.91        6.44087  (09011918)                464823.41
3807901.91        6.43583  (09011918)
        464843.41   3807901.91        6.40274  (09011918)                464863.41
3807901.91        6.35947  (09011918)
        464883.41   3807901.91        6.34370  (09011918)                464903.41
3807901.91        6.31244  (09011918)
        464923.41   3807901.91        6.27082  (09011918)                464943.41
3807901.91        6.22410  (09011918)
        464963.41   3807901.91        6.16118  (09011918)                464983.41
3807901.91        6.09422  (09011918)
        465003.41   3807901.91        6.05272  (09011918)                465023.41
3807901.91        5.99395  (09011918)
        465043.41   3807901.91        5.92296  (09011918)                465063.41
3807901.91        5.84457  (09011918)
        465083.41   3807901.91        5.76026  (09011918)                465103.41
3807901.91        5.66861  (09011918)
        465123.41   3807901.91        5.56835  (09011918)                465143.41
3807901.91        5.46096  (09011918)
        465163.41   3807901.91        5.34535  (09011918)                465183.41
3807901.91        5.22065  (09011918)
        465203.41   3807901.91        5.07946  (09011918)                465223.41
3807901.91        4.92921  (09011918)
        465243.41   3807901.91        4.78226  (09011918)                465263.41
3807901.91        4.61985  (09011918)
```


*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S):   L0006729   , L0006730 , L0006731   , L0006732   , L0006733   ,
L0006734   , L0006735   , L0006736   , L0006737   , L0006738 , L0006739   , L0006740   , L0006741   ,
L0006742   , L0006743   , L0006744   , L0006745   , L0006746 , L0006747   , L0006748   , L0006749   ,
L0006750   , L0006751   , L0006752   , L0006753   , L0006754 , L0006755   , L0006756   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465283.41	3807901.91	4.44860	(09011918)	465303.41	3807901.91	4.28088	(09011918)
465323.41	3807901.91	4.11354	(09011918)	465343.41	3807901.91	3.93585	(09011918)
465363.41	3807901.91	3.74457	(09011918)	465383.41	3807901.91	3.55878	(09011918)
464723.41	3807921.91	6.59100	(09011918)	464743.41	3807921.91	6.52105	(09011918)
464763.41	3807921.91	6.51096	(09011918)	464783.41	3807921.91	6.48663	(09011918)
464803.41	3807921.91	6.45661	(09011918)	464823.41	3807921.91	6.44119	(09011918)
464843.41	3807921.91	6.40740	(09011918)	464863.41	3807921.91	6.36700	(09011918)
464883.41	3807921.91	6.34879	(09011918)	464903.41	3807921.91	6.32134	(09011918)
464923.41	3807921.91	6.28210	(09011918)	464943.41	3807921.91	6.21474	(09011918)
464963.41	3807921.91	6.14775	(09011918)	464983.41	3807921.91	6.08339	(09011918)
465003.41	3807921.91	6.03840	(09011918)	465023.41	3807921.91	5.98184	(09011918)
465043.41	3807921.91	5.91232	(09011918)	465063.41	3807921.91	5.81998	(09011918)
465083.41	3807921.91	5.73402	(09011918)	465103.41	3807921.91	5.64238	(09011918)
465123.41	3807921.91	5.52826	(09011918)	465143.41	3807921.91	5.41816	(09011918)
465163.41	3807921.91	5.30143	(09011918)	465183.41	3807921.91	5.16342	(09011918)
465203.41	3807921.91	5.01466	(09011918)	465223.41	3807921.91	4.85997	(09011918)
465243.41	3807921.91	4.71390	(09011918)	465263.41	3807921.91	4.55699	(09011918)
465283.41	3807921.91	4.38252	(09011918)	465303.41	3807921.91	4.19910	(09011918)
465323.41	3807921.91	4.02504	(09011918)	465343.41	3807921.91	3.84859	(09011918)
465363.41	3807921.91	3.65448	(09011918)	465383.41	3807921.91	3.46262	(09011918)
464723.41	3807941.91	6.66525	(09011918)	464743.41	3807941.91	6.59617	(09011918)

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        464763.41   3807941.91        6.53776  (09011918)               464783.41
3807941.91        6.51034  (09011918)
        464803.41   3807941.91        6.49339  (09011918)               464823.41
3807941.91        6.44998  (09011918)
        464843.41   3807941.91        6.42180  (09011918)               464863.41
3807941.91        6.39977  (09011918)
        464883.41   3807941.91        6.37816  (09011918)               464903.41
3807941.91        6.33114  (09011918)
        464923.41   3807941.91        6.26844  (09011918)               464943.41
3807941.91        6.19731  (09011918)
        464963.41   3807941.91        6.14385  (09011918)               464983.41
3807941.91        6.09615  (09011918)
        465003.41   3807941.91        6.04615  (09011918)               465023.41
3807941.91        5.96958  (09011918)
        465043.41   3807941.91        5.88118  (09011918)               465063.41
3807941.91        5.80563  (09011918)
        465083.41   3807941.91        5.70678  (09011918)               465103.41
3807941.91        5.59676  (09011918)
        465123.41   3807941.91        5.49646  (09011918)               465143.41
3807941.91        5.37363  (09011918)
        465163.41   3807941.91        5.23950  (09011918)               465183.41
3807941.91        5.11286  (09011918)
        465203.41   3807941.91        4.96300  (09011918)               465223.41
3807941.91        4.80000  (09011918)
        465243.41   3807941.91        4.63265  (09011918)               465263.41
3807941.91        4.47662  (09011918)
        465283.41   3807941.91        4.31131  (09011918)               465303.41
3807941.91        4.12363  (09011918)
        465323.41   3807941.91        3.93424  (09011918)               465343.41
3807941.91        3.74186  (09011918)
        465363.41   3807941.91        3.54525  (09011918)               465383.41
3807941.91        3.36313  (09011918)
        465403.41   3807941.91        3.18426  (09011918)               465423.41
3807941.91        2.99201  (09011918)
        465443.41   3807941.91        2.89498  (09122717)               465463.41
3807941.91        2.79938  (09122717)
        465483.41   3807941.91        2.70896  (09122717)               465503.41
3807941.91        2.62000  (09122717)
```


*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S):   L0006729   , L0006730   , L0006731   , L0006732   , L0006733   ,

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                L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465523.41   3807941.91        2.52844  (09122717)               465543.41
3807941.91        2.44293  (09122717)
        465563.41   3807941.91        2.35457  (09122717)               465583.41
3807941.91        2.28347  (09030119)
        465603.41   3807941.91        2.33239  (09030119)               465623.41
3807941.91        2.32820  (09030119)
        465643.41   3807941.91        2.33000  (09030119)               465663.41
3807941.91        2.34340  (09030119)
        465683.41   3807941.91        2.27453  (09030119)               465703.41
3807941.91        2.26747  (09030119)
        464723.41   3807961.91        6.74065  (09011918)               464743.41
3807961.91        6.66744  (09011918)
        464763.41   3807961.91        6.58506  (09011918)               464783.41
3807961.91        6.53480  (09011918)
        464803.41   3807961.91        6.50514  (09011918)               464823.41
3807961.91        6.47415  (09011918)
        464843.41   3807961.91        6.43729  (09011918)               464863.41
3807961.91        6.39981  (09011918)
        464883.41   3807961.91        6.37585  (09011918)               464903.41
3807961.91        6.32234  (09011918)
        464923.41   3807961.91        6.25555  (09011918)               464943.41
3807961.91        6.20161  (09011918)
        464963.41   3807961.91        6.14057  (09011918)               464983.41
3807961.91        6.07703  (09011918)
        465003.41   3807961.91        6.02333  (09011918)               465023.41
3807961.91        5.93946  (09011918)
        465043.41   3807961.91        5.84351  (09011918)               465063.41
3807961.91        5.76780  (09011918)
        465083.41   3807961.91        5.67337  (09011918)               465103.41
3807961.91        5.56520  (09011918)
        465123.41   3807961.91        5.44782  (09011918)               465143.41
3807961.91        5.32281  (09011918)
        465163.41   3807961.91        5.18931  (09011918)               465183.41
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3807961.91        5.04675  (09011918)
        465203.41   3807961.91        4.90280  (09011918)                465223.41
3807961.91        4.74437  (09011918)
        465243.41   3807961.91        4.56832  (09011918)                465263.41
3807961.91        4.39436  (09011918)
        465283.41   3807961.91        4.21665  (09011918)                465303.41
3807961.91        4.02510  (09011918)
        465323.41   3807961.91        3.83989  (09011918)                465343.41
3807961.91        3.65374  (09011918)
        465363.41   3807961.91        3.45503  (09011918)                465383.41
3807961.91        3.26375  (09011918)
        465403.41   3807961.91        3.08169  (09011918)                465423.41
3807961.91        2.94098  (09122717)
        465443.41   3807961.91        2.85043  (09122717)                465463.41
3807961.91        2.75521  (09122717)
        465483.41   3807961.91        2.66560  (09122717)                465503.41
3807961.91        2.57366  (09122717)
        465523.41   3807961.91        2.48220  (09122717)                465543.41
3807961.91        2.39348  (09122717)
        465563.41   3807961.91        2.31532  (09030119)                465583.41
3807961.91        2.36062  (09030119)
        465603.41   3807961.91        2.35875  (09030119)                465623.41
3807961.91        2.37057  (09030119)
        465643.41   3807961.91        2.31629  (09030119)                465663.41
3807961.91        2.30385  (09030119)
        465683.41   3807961.91        2.31804  (09030119)                465703.41
3807961.91        2.33509  (09030119)
        464743.41   3807981.91        6.73771  (09011918)                464763.41
3807981.91        6.64486  (09011918)
        464783.41   3807981.91        6.56990  (09011918)                464803.41
3807981.91        6.51877  (09011918)
        464823.41   3807981.91        6.50295  (09011918)                464843.41
3807981.91        6.45748  (09011918)
        464863.41   3807981.91        6.40181  (09011918)                464883.41
3807981.91        6.37533  (09011918)
        464903.41   3807981.91        6.31865  (09011918)                464923.41
3807981.91        6.25022  (09011918)
        464943.41   3807981.91        6.20260  (09011918)                464963.41
3807981.91        6.13500  (09011918)
        464983.41   3807981.91        6.05812  (09011918)                465003.41
3807981.91        5.99306  (09011918)
        465023.41   3807981.91        5.90740  (09011918)                465043.41
3807981.91        5.81128  (09011918)
        465063.41   3807981.91        5.72385  (09011918)                465083.41
3807981.91        5.63201  (09011918)
        465103.41   3807981.91        5.52710  (09011918)                465123.41
3807981.91        5.39051  (09011918)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465143.41	3807981.91	5.26415	(09011918)	465163.41	3807981.91	5.13858	(09011918)
465183.41	3807981.91	4.98394	(09011918)	465203.41	3807981.91	4.83268	(09011918)
465223.41	3807981.91	4.67351	(09011918)	465243.41	3807981.91	4.49240	(09011918)
465263.41	3807981.91	4.30577	(09011918)	465283.41	3807981.91	4.11507	(09011918)
465303.41	3807981.91	3.92517	(09011918)	465323.41	3807981.91	3.74337	(09011918)
465343.41	3807981.91	3.56544	(09011918)	465363.41	3807981.91	3.36896	(09011918)
465383.41	3807981.91	3.17053	(09011918)	465403.41	3807981.91	2.98517	(09122717)
465423.41	3807981.91	2.89591	(09122717)	465443.41	3807981.91	2.80534	(09122717)
465463.41	3807981.91	2.70719	(09122717)	465483.41	3807981.91	2.61904	(09122717)
465503.41	3807981.91	2.52711	(09122717)	465523.41	3807981.91	2.43429	(09122717)
465543.41	3807981.91	2.34366	(09122717)	465563.41	3807981.91	2.37097	(09030119)
465583.41	3807981.91	2.41304	(09030119)	465603.41	3807981.91	2.39656	(09030119)

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        465623.41   3807981.91        2.33252  (09030119)              465643.41
3807981.91        2.35510  (09030119)
        465663.41   3807981.91        2.34360  (09030119)              465683.41
3807981.91        2.36587  (09030119)
        465703.41   3807981.91        2.40941  (09030119)              464763.41
3808001.91        6.71980  (09011918)
        464783.41   3808001.91        6.62783  (09011918)              464803.41
3808001.91        6.55523  (09011918)
        464823.41   3808001.91        6.53611  (09011918)              464843.41
3808001.91        6.48743  (09011918)
        464863.41   3808001.91        6.42976  (09011918)              464883.41
3808001.91        6.39958  (09011918)
        464903.41   3808001.91        6.33919  (09011918)              464923.41
3808001.91        6.26362  (09011918)
        464943.41   3808001.91        6.18719  (09011918)              464963.41
3808001.91        6.12424  (09011918)
        464983.41   3808001.91        6.05888  (09011918)              465003.41
3808001.91        5.96570  (09011918)
        465023.41   3808001.91        5.88309  (09011918)              465043.41
3808001.91        5.79606  (09011918)
        465063.41   3808001.91        5.68177  (09011918)              465083.41
3808001.91        5.57773  (09011918)
        465103.41   3808001.91        5.46752  (09011918)              465123.41
3808001.91        5.32527  (09011918)
        465143.41   3808001.91        5.19337  (09011918)              465163.41
3808001.91        5.06632  (09011918)
        465183.41   3808001.91        4.92291  (09011918)              465203.41
3808001.91        4.75902  (09011918)
        465223.41   3808001.91        4.58127  (09011918)              465243.41
3808001.91        4.39538  (09011918)
        465263.41   3808001.91        4.20440  (09011918)              465283.41
3808001.91        4.01354  (09011918)
        465303.41   3808001.91        3.83790  (09011918)              465323.41
3808001.91        3.64724  (09011918)
        465343.41   3808001.91        3.45500  (09011918)              465363.41
3808001.91        3.27339  (09011918)
        465383.41   3808001.91        3.07970  (09011918)              465403.41
3808001.91        2.94124  (09122717)
        465423.41   3808001.91        2.84905  (09122717)              465443.41
3808001.91        2.75603  (09122717)
        465463.41   3808001.91        2.66154  (09122717)              465483.41
3808001.91        2.56822  (09122717)
        465503.41   3808001.91        2.47451  (09122717)              465523.41
3808001.91        2.38258  (09122717)
        465543.41   3808001.91        2.34365  (09030119)              465563.41
3808001.91        2.37932  (09030119)
        465583.41   3808001.91        2.42652  (09030119)              465603.41
3808001.91        2.43976  (09030119)
        465623.41   3808001.91        2.36759  (09030119)              465643.41
3808001.91        2.35921  (09030119)
```

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                  INCLUDING SOURCE(S):   L0006729   , L0006730
, L0006731   , L0006732   , L0006733   ,
                L0006734   , L0006735   , L0006736   , L0006737   , L0006738
, L0006739   , L0006740   , L0006741   ,
                L0006742   , L0006743   , L0006744   , L0006745   , L0006746
, L0006747   , L0006748   , L0006749   ,
                L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
       464823.41   3808021.91   6.57935 (09011918)   464843.41
3808021.91   6.51576 (09011918)
       464863.41   3808021.91   6.45204 (09011918)   464883.41
3808021.91   6.39824 (09011918)
       464903.41   3808021.91   6.34177 (09011918)   464923.41
3808021.91   6.27776 (09011918)
       464943.41   3808021.91   6.19265 (09011918)   464963.41
3808021.91   6.11373 (09011918)
       464983.41   3808021.91   6.03478 (09011918)   465003.41
3808021.91   5.95116 (09011918)
       465023.41   3808021.91   5.85812 (09011918)   465043.41
3808021.91   5.75733 (09011918)
       465063.41   3808021.91   5.64979 (09011918)   465083.41
3808021.91   5.53280 (09011918)
       465103.41   3808021.91   5.40671 (09011918)   465123.41

```
3808021.91        5.27316  (09011918)
        465143.41   3808021.91        5.13014  (09011918)                465163.41
3808021.91        4.98636  (09011918)
        465183.41   3808021.91        4.84064  (09011918)                465203.41
3808021.91        4.67044  (09011918)
        465223.41   3808021.91        4.48858  (09011918)                465243.41
3808021.91        4.31168  (09011918)
        465263.41   3808021.91        4.12148  (09011918)                465283.41
3808021.91        3.92427  (09011918)
        465303.41   3808021.91        3.73517  (09011918)                465323.41
3808021.91        3.54817  (09011918)
        465343.41   3808021.91        3.35756  (09011918)                465363.41
3808021.91        3.16619  (09011918)
        465383.41   3808021.91        2.98660  (09122717)                465403.41
3808021.91        2.89380  (09122717)
        465423.41   3808021.91        2.80285  (09122717)                465443.41
3808021.91        2.70958  (09122717)
        465463.41   3808021.91        2.61091  (09122717)                465483.41
3808021.91        2.52051  (09122717)
        465503.41   3808021.91        2.42727  (09122717)                465523.41
3808021.91        2.39694  (09030119)
        465543.41   3808021.91        2.39558  (09030119)                465563.41
3808021.91        2.32584  (09030119)
        465583.41   3808021.91        2.34453  (09030119)                465603.41
3808021.91        2.39217  (09030119)
        465623.41   3808021.91        2.41240  (09030119)                465643.41
3808021.91        2.42918  (09030119)
        465663.41   3808021.91        2.47458  (09030119)                465683.41
3808021.91        2.46527  (09030119)
        465703.41   3808021.91        2.46294  (09030119)                464783.41
3808041.91        6.79552  (09011918)
        464803.41   3808041.91        6.71324  (09011918)                464823.41
3808041.91        6.62727  (09011918)
        464843.41   3808041.91        6.54757  (09011918)                464863.41
3808041.91        6.47209  (09011918)
        464883.41   3808041.91        6.39768  (09011918)                464903.41
3808041.91        6.33888  (09011918)
        464923.41   3808041.91        6.27932  (09011918)                464943.41
3808041.91        6.19035  (09011918)
        464963.41   3808041.91        6.09563  (09011918)                464983.41
3808041.91        6.00085  (09011918)
        465003.41   3808041.91        5.92870  (09011918)                465023.41
3808041.91        5.82976  (09011918)
        465043.41   3808041.91        5.71759  (09011918)                465063.41
3808041.91        5.61248  (09011918)
        465083.41   3808041.91        5.48663  (09011918)                465103.41
3808041.91        5.34927  (09011918)
        465123.41   3808041.91        5.21681  (09011918)                465143.41
3808041.91        5.07139  (09011918)
        465163.41   3808041.91        4.90996  (09011918)                465183.41
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3808041.91 4.75252 (09011918)
  465203.41 3808041.91 4.58006 (09011918) 465223.41
3808041.91 4.39795 (09011918)
  465243.41 3808041.91 4.22457 (09011918) 465263.41
3808041.91 4.03974 (09011918)
  465283.41 3808041.91 3.84098 (09011918) 465303.41
3808041.91 3.63698 (09011918)
  465323.41 3808041.91 3.44555 (09011918) 465343.41
3808041.91 3.25664 (09011918)
  465363.41 3808041.91 3.05912 (09011918) 465383.41
3808041.91 2.93999 (09122717)
  465403.41 3808041.91 2.84606 (09122717) 465423.41
3808041.91 2.75495 (09122717)
  465443.41 3808041.91 2.66492 (09122717) 465463.41
3808041.91 2.56053 (09122717)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465483.41	3808041.91	2.47131	(09122717)	465503.41	3808041.91	2.38450	(09122717)
465523.41	3808041.91	2.31151	(09030119)	465543.41	3808041.91	2.36108	(09030119)
465563.41	3808041.91	2.37454	(09030119)	465583.41	3808041.91	2.36864	(09030119)

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        465603.41   3808041.91        2.41546  (09030119)              465623.41
3808041.91        2.46175  (09030119)
        465643.41   3808041.91        2.50613  (09030119)              465663.41
3808041.91        2.51655  (09030119)
        465683.41   3808041.91        2.49627  (09030119)              465703.41
3808041.91        2.43494  (09030119)
        464803.41   3808061.91        6.76126  (09011918)              464823.41
3808061.91        6.68060  (09011918)
        464843.41   3808061.91        6.58861  (09011918)              464863.41
3808061.91        6.49248  (09011918)
        464883.41   3808061.91        6.41511  (09011918)              464903.41
3808061.91        6.33654  (09011918)
        464923.41   3808061.91        6.25276  (09011918)              464943.41
3808061.91        6.15954  (09011918)
        464963.41   3808061.91        6.06043  (09011918)              464983.41
3808061.91        5.96116  (09011918)
        465003.41   3808061.91        5.88464  (09011918)              465023.41
3808061.91        5.79545  (09011918)
        465043.41   3808061.91        5.69103  (09011918)              465063.41
3808061.91        5.55959  (09011918)
        465083.41   3808061.91        5.43428  (09011918)              465103.41
3808061.91        5.30259  (09011918)
        465123.41   3808061.91        5.14604  (09011918)              465143.41
3808061.91        5.00124  (09011918)
        465163.41   3808061.91        4.84533  (09011918)              465183.41
3808061.91        4.66561  (09011918)
        465203.41   3808061.91        4.49417  (09011918)              465223.41
3808061.91        4.31887  (09011918)
        465243.41   3808061.91        4.12388  (09011918)              465263.41
3808061.91        3.94002  (09011918)
        465283.41   3808061.91        3.75168  (09011918)              465303.41
3808061.91        3.54582  (09011918)
        465323.41   3808061.91        3.34200  (09011918)              465343.41
3808061.91        3.14353  (09011918)
        465363.41   3808061.91        2.98775  (09122717)              465383.41
3808061.91        2.89392  (09122717)
        465403.41   3808061.91        2.79932  (09122717)              465423.41
3808061.91        2.70604  (09122717)
        465443.41   3808061.91        2.61312  (09122717)              465463.41
3808061.91        2.51303  (09122717)
        465483.41   3808061.91        2.42019  (09122717)              465503.41
3808061.91        2.33428  (09122717)
        465523.41   3808061.91        2.31306  (09030119)              465543.41
3808061.91        2.36151  (09030119)
        465563.41   3808061.91        2.40594  (09030119)              465583.41
3808061.91        2.44832  (09030119)
        465603.41   3808061.91        2.49493  (09030119)              465623.41
3808061.91        2.54092  (09030119)
        465643.41   3808061.91        2.56635  (09030119)              465663.41
3808061.91        2.52212  (09030119)
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        465683.41   3808061.91        2.52399  (09030119)               465703.41
3808061.91        2.51030  (09030119)
        464823.41   3808081.91        6.70659  (09011918)               464843.41
3808081.91        6.62237  (09011918)
        464863.41   3808081.91        6.53397  (09011918)               464883.41
3808081.91        6.43650  (09011918)
        464903.41   3808081.91        6.33130  (09011918)               464923.41
3808081.91        6.22332  (09011918)
        464943.41   3808081.91        6.12579  (09011918)               464963.41
3808081.91        6.03567  (09011918)
        464983.41   3808081.91        5.94398  (09011918)               465003.41
3808081.91        5.84344  (09011918)
        465023.41   3808081.91        5.74598  (09011918)               465043.41
3808081.91        5.63882  (09011918)
        465063.41   3808081.91        5.49753  (09011918)               465083.41
3808081.91        5.36773  (09011918)
        465103.41   3808081.91        5.24144  (09011918)               465123.41
3808081.91        5.08966  (09011918)
        465143.41   3808081.91        4.92875  (09011918)               465163.41
3808081.91        4.76098  (09011918)
        465183.41   3808081.91        4.58709  (09011918)               465203.41
3808081.91        4.40628  (09011918)
        465223.41   3808081.91        4.22474  (09011918)               465243.41
3808081.91        4.03374  (09011918)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 618
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK395 ***
                                  INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                  L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                  L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                  L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)        CONC     (YYMMDDHH)
 - - -
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3808101.91 3.12847 (09011918)
  465343.41 3808101.91 2.98943 (09122717) 465363.41
3808101.91 2.89565 (09122717)
  465383.41 3808101.91 2.79961 (09122717) 465403.41
3808101.91 2.70333 (09122717)
  465423.41 3808101.91 2.60996 (09122717) 465443.41
3808101.91 2.51562 (09122717)
  465463.41 3808101.91 2.41360 (09122717) 465483.41
3808101.91 2.39525 (09030119)
  465503.41 3808101.91 2.39988 (09030119) 465523.41
3808101.91 2.40799 (09030119)
  465543.41 3808101.91 2.38257 (09030119) 465563.41
3808101.91 2.34939 (09030119)
  465583.41 3808101.91 2.39565 (09030119) 465603.41
3808101.91 2.44150 (09030119)
  465623.41 3808101.91 2.48687 (09030119) 465643.41
3808101.91 2.53060 (09030119)
  465663.41 3808101.91 2.56735 (09030119) 465683.41
3808101.91 2.60825 (09030119)
  465703.41 3808101.91 2.63179 (09030119) 464863.41
3808121.91 6.53935 (09011918)
  464883.41 3808121.91 6.41851 (09011918) 464903.41
3808121.91 6.30942 (09011918)
  464923.41 3808121.91 6.20473 (09011918) 464943.41
3808121.91 6.09805 (09011918)
  464963.41 3808121.91 5.98843 (09011918) 464983.41
3808121.91 5.87686 (09011918)
  465003.41 3808121.91 5.77796 (09011918) 465023.41
3808121.91 5.65348 (09011918)
  465043.41 3808121.91 5.51660 (09011918) 465063.41
3808121.91 5.38910 (09011918)
  465083.41 3808121.91 5.26093 (09011918) 465103.41
3808121.91 5.11453 (09011918)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
  L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
  L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
  L0006750 , L0006751 , L0006752 , L0006753 , L0006754

, L0006755   , L0006756   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465123.41	3808121.91	4.93931	(09011918)	465143.41	3808121.91	4.75478	(09011918)
465163.41	3808121.91	4.56775	(09011918)	465183.41	3808121.91	4.39720	(09011918)
465203.41	3808121.91	4.22208	(09011918)	465223.41	3808121.91	4.03282	(09011918)
465243.41	3808121.91	3.82655	(09011918)	465263.41	3808121.91	3.61708	(09011918)
465283.41	3808121.91	3.41068	(09011918)	465303.41	3808121.91	3.22170	(09011918)
465323.41	3808121.91	3.03376	(09122717)	465343.41	3808121.91	2.94139	(09122717)
465363.41	3808121.91	2.84658	(09122717)	465383.41	3808121.91	2.75085	(09122717)
465403.41	3808121.91	2.65434	(09122717)	465423.41	3808121.91	2.55804	(09122717)
465443.41	3808121.91	2.46183	(09122717)	465463.41	3808121.91	2.41209	(09030119)
465483.41	3808121.91	2.45567	(09030119)	465503.41	3808121.91	2.42143	(09030119)
465523.41	3808121.91	2.41318	(09030119)	465543.41	3808121.91	2.43996	(09030119)
465563.41	3808121.91	2.42816	(09030119)	465583.41	3808121.91	2.47435	(09030119)
465603.41	3808121.91	2.52004	(09030119)	465623.41	3808121.91	2.56515	(09030119)
465643.41	3808121.91	2.60384	(09030119)	465663.41	3808121.91	2.58686	(09030119)
465683.41	3808121.91	2.60429	(09030119)	465703.41	3808121.91	2.64507	(09030119)
464883.41	3808141.91	6.42434	(09011918)	464903.41	3808141.91	6.29580	(09011918)
464923.41	3808141.91	6.17506	(09011918)	464943.41	3808141.91	6.06352	(09011918)
464963.41	3808141.91	5.94501	(09011918)	464983.41	3808141.91	5.82498	(09011918)
465003.41	3808141.91	5.72517	(09011918)	465023.41	3808141.91	5.59340	(09011918)

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        465043.41   3808141.91        5.44779  (09011918)               465063.41
3808141.91        5.31826  (09011918)
        465083.41   3808141.91        5.18522  (09011918)               465103.41
3808141.91        5.03194  (09011918)
        465123.41   3808141.91        4.84775  (09011918)               465143.41
3808141.91        4.66766  (09011918)
        465163.41   3808141.91        4.48449  (09011918)               465183.41
3808141.91        4.29498  (09011918)
        465203.41   3808141.91        4.11280  (09011918)               465223.41
3808141.91        3.92231  (09011918)
        465243.41   3808141.91        3.71073  (09011918)               465263.41
3808141.91        3.50712  (09011918)
        465283.41   3808141.91        3.30738  (09011918)               465303.41
3808141.91        3.11007  (09011918)
        465323.41   3808141.91        2.98901  (09122717)               465343.41
3808141.91        2.89220  (09122717)
        465363.41   3808141.91        2.79612  (09122717)               465383.41
3808141.91        2.69887  (09122717)
        465403.41   3808141.91        2.60230  (09122717)               465423.41
3808141.91        2.50845  (09122717)
        465443.41   3808141.91        2.41341  (09122717)               465463.41
3808141.91        2.39936  (09030119)
        465483.41   3808141.91        2.44798  (09030119)               465503.41
3808141.91        2.45412  (09030119)
        465523.41   3808141.91        2.41144  (09030119)               465543.41
3808141.91        2.42648  (09030119)
        465563.41   3808141.91        2.45229  (09030119)               465583.41
3808141.91        2.49740  (09030119)
        465603.41   3808141.91        2.54199  (09030119)               465623.41
3808141.91        2.58603  (09030119)
        465643.41   3808141.91        2.62585  (09030119)               465663.41
3808141.91        2.63526  (09030119)
        465683.41   3808141.91        2.62893  (09030119)               465703.41
3808141.91        2.63880  (09030119)
        464883.41   3808161.91        6.43413  (09011918)               464903.41
3808161.91        6.28507  (09011918)
        464923.41   3808161.91        6.14568  (09011918)               464943.41
3808161.91        6.02907  (09011918)
        464963.41   3808161.91        5.90522  (09011918)               464983.41
3808161.91        5.77848  (09011918)
        465003.41   3808161.91        5.66566  (09011918)               465023.41
3808161.91        5.53036  (09011918)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 620
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***

INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 , L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 , L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 , L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465043.41	3808161.91	5.38368	(09011918)	465063.41	3808161.91	5.24760	(09011918)
465083.41	3808161.91	5.10552	(09011918)	465103.41	3808161.91	4.94166	(09011918)
465123.41	3808161.91	4.75780	(09011918)	465143.41	3808161.91	4.57943	(09011918)
465163.41	3808161.91	4.40131	(09011918)	465183.41	3808161.91	4.19846	(09011918)
465203.41	3808161.91	4.00342	(09011918)	465223.41	3808161.91	3.80628	(09011918)
465243.41	3808161.91	3.59773	(09011918)	465263.41	3808161.91	3.39825	(09011918)
465283.41	3808161.91	3.20749	(09011918)	465303.41	3808161.91	3.03684	(09122717)
465323.41	3808161.91	2.93912	(09122717)	465343.41	3808161.91	2.84209	(09122717)
465363.41	3808161.91	2.74536	(09122717)	465383.41	3808161.91	2.64735	(09122717)
465403.41	3808161.91	2.55031	(09122717)	465423.41	3808161.91	2.45691	(09122717)
465443.41	3808161.91	2.36469	(09122717)	465463.41	3808161.91	2.35088	(09030119)
465483.41	3808161.91	2.39294	(09030119)	465503.41	3808161.91	2.43838	(09030119)
465523.41	3808161.91	2.46578	(09030119)	465543.41	3808161.91	2.45495	(09030119)
465563.41	3808161.91	2.49049	(09030119)	465583.41	3808161.91	2.53444	(09030119)
465603.41	3808161.91	2.57787	(09030119)	465623.41			

3808161.91 2.60160 (09030119)
465643.41 3808161.91 2.63758 (09030119) 465663.41
3808161.91 2.67895 (09030119)
465683.41 3808161.91 2.66952 (09030119) 465703.41
3808161.91 2.62856 (09030119)
464903.41 3808181.91 6.28165 (09011918) 464923.41
3808181.91 6.13790 (09011918)
464943.41 3808181.91 6.01573 (09011918) 464963.41
3808181.91 5.88593 (09011918)
464983.41 3808181.91 5.74920 (09011918) 465003.41
3808181.91 5.60769 (09011918)
465023.41 3808181.91 5.47313 (09011918) 465043.41
3808181.91 5.33621 (09011918)
465063.41 3808181.91 5.20035 (09011918) 465083.41
3808181.91 5.03161 (09011918)
465103.41 3808181.91 4.85079 (09011918) 465123.41
3808181.91 4.68095 (09011918)
465143.41 3808181.91 4.49029 (09011918) 465163.41
3808181.91 4.29402 (09011918)
465183.41 3808181.91 4.10415 (09011918) 465203.41
3808181.91 3.89962 (09011918)
465223.41 3808181.91 3.69099 (09011918) 465243.41
3808181.91 3.49623 (09011918)
465263.41 3808181.91 3.29099 (09011918) 465283.41
3808181.91 3.09085 (09011918)
465303.41 3808181.91 2.98731 (09122717) 465323.41
3808181.91 2.88886 (09122717)
465343.41 3808181.91 2.79047 (09122717) 465363.41
3808181.91 2.69443 (09122717)
465383.41 3808181.91 2.59717 (09122717) 465403.41
3808181.91 2.49958 (09122717)
465423.41 3808181.91 2.40339 (09122717) 465443.41
3808181.91 2.38505 (09030119)
465463.41 3808181.91 2.42890 (09030119) 465483.41
3808181.91 2.41924 (09030119)
465503.41 3808181.91 2.44122 (09030119) 465523.41
3808181.91 2.48621 (09030119)
465543.41 3808181.91 2.52569 (09030119) 465563.41
3808181.91 2.56825 (09030119)
465583.41 3808181.91 2.61194 (09030119) 465603.41
3808181.91 2.65502 (09030119)
465623.41 3808181.91 2.64560 (09030119) 465643.41
3808181.91 2.60404 (09030119)
465663.41 3808181.91 2.64459 (09030119) 465683.41
3808181.91 2.68075 (09030119)
465703.41 3808181.91 2.68274 (09030119) 464923.41
3808201.91 6.15591 (09011918)
464943.41 3808201.91 6.00405 (09011918) 464963.41
3808201.91 5.86212 (09011918)
464983.41 3808201.91 5.71791 (09011918) 465003.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
                                   INCLUDING SOURCE(S):   L0006729   , L0006730 , L0006731   , L0006732   , L0006733   ,
                 L0006734   , L0006735   , L0006736   , L0006737   , L0006738 , L0006739   , L0006740   , L0006741   ,
                 L0006742   , L0006743   , L0006744   , L0006745   , L0006746 , L0006747   , L0006748   , L0006749   ,
                 L0006750   , L0006751   , L0006752   , L0006753   , L0006754 , L0006755   , L0006756   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465023.41   3808201.91   5.42465 (09011918)   465043.41   3808201.91   5.28923 (09011918)
        465063.41   3808201.91   5.12383 (09011918)   465083.41   3808201.91   4.95231 (09011918)
        465103.41   3808201.91   4.77315 (09011918)   465123.41   3808201.91   4.58555 (09011918)
        465143.41   3808201.91   4.39656 (09011918)   465163.41   3808201.91   4.19895 (09011918)
        465183.41   3808201.91   3.99602 (09011918)   465203.41   3808201.91   3.79163 (09011918)
        465223.41   3808201.91   3.58651 (09011918)   465243.41   3808201.91   3.38249 (09011918)
        465263.41   3808201.91   3.18645 (09011918)   465283.41   3808201.91   3.03517 (09122717)
        465303.41   3808201.91   2.93638 (09122717)   465323.41   3808201.91   2.83832 (09122717)
        465343.41   3808201.91   2.73994 (09122717)   465363.41   3808201.91   2.64221 (09122717)
        465383.41   3808201.91   2.54684 (09122717)   465403.41   3808201.91   2.45036 (09122717)

```
        465423.41   3808201.91        2.36472  (09030119)              465443.41
3808201.91        2.41245  (09030119)
        465463.41   3808201.91        2.45741  (09030119)              465483.41
3808201.91        2.47282  (09030119)
        465503.41   3808201.91        2.51312  (09030119)              465523.41
3808201.91        2.55817  (09030119)
        465543.41   3808201.91        2.60270  (09030119)              465563.41
3808201.91        2.60381  (09030119)
        465583.41   3808201.91        2.61598  (09030119)              465603.41
3808201.91        2.65812  (09030119)
        465623.41   3808201.91        2.65846  (09030119)              465643.41
3808201.91        2.65630  (09030119)
        465663.41   3808201.91        2.69632  (09030119)              465683.41
3808201.91        2.70738  (09030119)
        465703.41   3808201.91        2.69836  (09030119)              464943.41
3808221.91        5.99638  (09011918)
        464963.41   3808221.91        5.84029  (09011918)              464983.41
3808221.91        5.68912  (09011918)
        465003.41   3808221.91        5.52942  (09011918)              465023.41
3808221.91        5.37916  (09011918)
        465043.41   3808221.91        5.22195  (09011918)              465063.41
3808221.91        5.04297  (09011918)
        465083.41   3808221.91        4.87354  (09011918)              465103.41
3808221.91        4.70017  (09011918)
        465123.41   3808221.91        4.49402  (09011918)              465143.41
3808221.91        4.29721  (09011918)
        465163.41   3808221.91        4.09829  (09011918)              465183.41
3808221.91        3.88630  (09011918)
        465203.41   3808221.91        3.68192  (09011918)              465223.41
3808221.91        3.48507  (09011918)
        465243.41   3808221.91        3.27538  (09011918)              465263.41
3808221.91        3.08435  (09122717)
        465283.41   3808221.91        2.98457  (09122717)              465303.41
3808221.91        2.88503  (09122717)
        465323.41   3808221.91        2.78623  (09122717)              465343.41
3808221.91        2.68955  (09122717)
        465363.41   3808221.91        2.59033  (09122717)              465383.41
3808221.91        2.49319  (09122717)
        465403.41   3808221.91        2.39698  (09122717)              465423.41
3808221.91        2.40891  (09030119)
        465443.41   3808221.91        2.45553  (09030119)              465463.41
3808221.91        2.50179  (09030119)
        465483.41   3808221.91        2.54764  (09030119)              465503.41
3808221.91        2.57316  (09030119)
        465523.41   3808221.91        2.61199  (09030119)              465543.41
3808221.91        2.65595  (09030119)
        465563.41   3808221.91        2.64802  (09030119)              465583.41
3808221.91        2.60802  (09030119)
        465603.41   3808221.91        2.64945  (09030119)              465623.41
3808221.91        2.67118  (09030119)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
                                   INCLUDING SOURCE(S):   L0006729   , L0006730 , L0006731   , L0006732   , L0006733   ,
                 L0006734   , L0006735   , L0006736   , L0006737   , L0006738 , L0006739   , L0006740   , L0006741   ,
                 L0006742   , L0006743   , L0006744   , L0006745   , L0006746 , L0006747   , L0006748   , L0006749   ,
                 L0006750   , L0006751   , L0006752   , L0006753   , L0006754 , L0006755   , L0006756   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465083.41   3808241.91   4.80400 (09011918)   465103.41   3808241.91   4.61875 (09011918)
        465123.41   3808241.91   4.40790 (09011918)   465143.41   3808241.91   4.19501 (09011918)
        465163.41   3808241.91   3.98349 (09011918)   465183.41   3808241.91   3.78440 (09011918)
        465203.41   3808241.91   3.57325 (09011918)   465223.41   3808241.91   3.36612 (09011918)
        465243.41   3808241.91   3.17057 (09011918)   465263.41   3808241.91   3.03371 (09122717)
        465283.41   3808241.91   2.93246 (09122717)   465303.41

3808241.91 2.83324 (09122717)
465323.41 3808241.91 2.73336 (09122717) 465343.41
3808241.91 2.63517 (09122717)
465363.41 3808241.91 2.53682 (09122717) 465383.41
3808241.91 2.43920 (09122717)
465403.41 3808241.91 2.44303 (09030119) 465423.41
3808241.91 2.49004 (09030119)
465443.41 3808241.91 2.53667 (09030119) 465463.41
3808241.91 2.58284 (09030119)
465483.41 3808241.91 2.62851 (09030119) 465503.41
3808241.91 2.62083 (09030119)
465523.41 3808241.91 2.57927 (09030119) 465543.41
3808241.91 2.62217 (09030119)
465563.41 3808241.91 2.66095 (09030119) 465583.41
3808241.91 2.68385 (09030119)
465603.41 3808241.91 2.72488 (09030119) 465623.41
3808241.91 2.71351 (09030119)
465643.41 3808241.91 2.66981 (09030119) 465663.41
3808241.91 2.70826 (09030119)
465683.41 3808241.91 2.74231 (09030119) 465703.41
3808241.91 2.75499 (09030119)
464983.41 3808261.91 5.65637 (09011918) 465003.41
3808261.91 5.46900 (09011918)
465023.41 3808261.91 5.28223 (09011918) 465043.41
3808261.91 5.09362 (09011918)
465063.41 3808261.91 4.90733 (09011918) 465083.41
3808261.91 4.71398 (09011918)
465103.41 3808261.91 4.51493 (09011918) 465123.41
3808261.91 4.31356 (09011918)
465143.41 3808261.91 4.09833 (09011918) 465163.41
3808261.91 3.87926 (09011918)
465183.41 3808261.91 3.66955 (09011918) 465203.41
3808261.91 3.46695 (09011918)
465223.41 3808261.91 3.25880 (09011918) 465243.41
3808261.91 3.08358 (09122717)
465263.41 3808261.91 2.98062 (09122717) 465283.41
3808261.91 2.87888 (09122717)
465303.41 3808261.91 2.77949 (09122717) 465323.41
3808261.91 2.68137 (09122717)
465343.41 3808261.91 2.58121 (09122717) 465363.41
3808261.91 2.48229 (09122717)
465383.41 3808261.91 2.43519 (09030119) 465403.41
3808261.91 2.45249 (09030119)
465423.41 3808261.91 2.49830 (09030119) 465443.41
3808261.91 2.54376 (09030119)
465463.41 3808261.91 2.58938 (09030119) 465483.41
3808261.91 2.63397 (09030119)
465503.41 3808261.91 2.63544 (09030119) 465523.41
3808261.91 2.63456 (09030119)
465543.41 3808261.91 2.67701 (09030119) 465563.41

3808261.91 2.69024 (09030119)
  465583.41 3808261.91 2.68623 (09030119) 465603.41
3808261.91 2.72626 (09030119)
  465623.41 3808261.91 2.72444 (09030119) 465643.41
3808261.91 2.71650 (09030119)
  465663.41 3808261.91 2.70601 (09030119) 465683.41
3808261.91 2.73582 (09030119)
  465703.41 3808261.91 2.76776 (09030119) 465003.41
3808281.91 5.43372 (09011918)
  465023.41 3808281.91 5.23595 (09011918) 465043.41
3808281.91 5.03656 (09011918)
  465063.41 3808281.91 4.83816 (09011918) 465083.41
3808281.91 4.62563 (09011918)
  465103.41 3808281.91 4.40993 (09011918) 465123.41
3808281.91 4.20978 (09011918)
  465143.41 3808281.91 3.99996 (09011918) 465163.41
3808281.91 3.77706 (09011918)
  465183.41 3808281.91 3.56106 (09011918) 465203.41
3808281.91 3.35258 (09011918)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465223.41	3808281.91	3.14910	(09011918)	465243.41	3808281.91	3.03035	(09122717)

```
        465263.41   3808281.91        2.92683  (09122717)               465283.41
3808281.91        2.82433  (09122717)
        465303.41   3808281.91        2.72475  (09122717)               465323.41
3808281.91        2.62645  (09122717)
        465343.41   3808281.91        2.52628  (09122717)               465363.41
3808281.91        2.49017  (09030119)
        465383.41   3808281.91        2.48568  (09030119)               465403.41
3808281.91        2.44849  (09030119)
        465423.41   3808281.91        2.47217  (09030119)               465443.41
3808281.91        2.51389  (09030119)
        465463.41   3808281.91        2.58283  (09030119)               465483.41
3808281.91        2.62656  (09030119)
        465503.41   3808281.91        2.66979  (09030119)               465523.41
3808281.91        2.71127  (09030119)
        465543.41   3808281.91        2.73101  (09030119)               465563.41
3808281.91        2.71856  (09030119)
        465583.41   3808281.91        2.67636  (09030119)               465603.41
3808281.91        2.71561  (09030119)
        465623.41   3808281.91        2.74871  (09030119)               465643.41
3808281.91        2.76060  (09030119)
        465663.41   3808281.91        2.73603  (09030119)               465683.41
3808281.91        2.70241  (09030119)
        465703.41   3808281.91        2.71858  (09030119)               465003.41
3808301.91        5.38988  (09011918)
        465023.41   3808301.91        5.18337  (09011918)               465043.41
3808301.91        4.96205  (09011918)
        465063.41   3808301.91        4.77844  (09011918)               465083.41
3808301.91        4.55739  (09011918)
        465103.41   3808301.91        4.31404  (09011918)               465123.41
3808301.91        4.09681  (09011918)
        465143.41   3808301.91        3.87681  (09011918)               465163.41
3808301.91        3.65680  (09011918)
        465183.41   3808301.91        3.45382  (09011918)               465203.41
3808301.91        3.24026  (09011918)
        465223.41   3808301.91        3.08089  (09122717)               465243.41
3808301.91        2.97541  (09122717)
        465263.41   3808301.91        2.87378  (09122717)               465283.41
3808301.91        2.77207  (09122717)
        465303.41   3808301.91        2.67249  (09122717)               465323.41
3808301.91        2.57103  (09122717)
        465343.41   3808301.91        2.52862  (09030119)               465363.41
3808301.91        2.49941  (09030119)
        465383.41   3808301.91        2.48692  (09030119)               465403.41
3808301.91        2.50883  (09030119)
        465423.41   3808301.91        2.48049  (09030119)               465443.41
3808301.91        2.48533  (09030119)
        465463.41   3808301.91        2.66221  (09030119)               465483.41
3808301.91        2.70570  (09030119)
        465503.41   3808301.91        2.74862  (09030119)               465523.41
3808301.91        2.77012  (09030119)
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        465543.41   3808301.91        2.73285  (09030119)               465563.41
3808301.91        2.72953  (09030119)
        465583.41   3808301.91        2.75019  (09030119)               465603.41
3808301.91        2.78900  (09030119)
        465623.41   3808301.91        2.78854  (09030119)               465643.41
3808301.91        2.76703  (09030119)
        465663.41   3808301.91        2.78253  (09030119)               465683.41
3808301.91        2.73906  (09030119)
        465703.41   3808301.91        2.71763  (09030119)               465043.41
3808321.91        4.89863  (09011918)
        465063.41   3808321.91        4.68242  (09011918)               465083.41
3808321.91        4.45683  (09011918)
        465103.41   3808321.91        4.22553  (09011918)               465123.41
3808321.91        3.99985  (09011918)
        465143.41   3808321.91        3.77285  (09011918)               465163.41
3808321.91        3.54774  (09011918)
        465183.41   3808321.91        3.33463  (09011918)               465203.41
3808321.91        3.13227  (09122717)
        465223.41   3808321.91        3.02676  (09122717)               465243.41
3808321.91        2.92318  (09122717)
        465263.41   3808321.91        2.82024  (09122717)               465283.41
3808321.91        2.71947  (09122717)
        465303.41   3808321.91        2.61665  (09122717)               465323.41
3808321.91        2.54193  (09030119)
        465343.41   3808321.91        2.55613  (09030119)               465363.41
3808321.91        2.53914  (09030119)
        465383.41   3808321.91        2.53719  (09030119)               465403.41
3808321.91        2.53453  (09030119)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 624
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK395 ***
                                  INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                 L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                 L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                 L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465423.41	3808321.91	2.51735	(09030119)	465443.41	3808321.91	2.54021	(09030119)
465463.41	3808321.91	2.66712	(09030119)	465483.41	3808321.91	2.70948	(09030119)
465503.41	3808321.91	2.75130	(09030119)	465523.41	3808321.91	2.78870	(09030119)
465543.41	3808321.91	2.76603	(09030119)	465563.41	3808321.91	2.78539	(09030119)
465583.41	3808321.91	2.82053	(09030119)	465603.41	3808321.91	2.80840	(09030119)
465623.41	3808321.91	2.80990	(09030119)	465643.41	3808321.91	2.77060	(09030119)
465663.41	3808321.91	2.75765	(09030119)	465683.41	3808321.91	2.75777	(09030119)
465703.41	3808321.91	2.75680	(09030119)	465083.41	3808341.91	4.35353	(09011918)
465103.41	3808341.91	4.12704	(09011918)	465123.41	3808341.91	3.89380	(09011918)
465143.41	3808341.91	3.66272	(09011918)	465163.41	3808341.91	3.43502	(09011918)
465183.41	3808341.91	3.20953	(09011918)	465203.41	3808341.91	3.07806	(09122717)
465223.41	3808341.91	2.97237	(09122717)	465243.41	3808341.91	2.86836	(09122717)
465263.41	3808341.91	2.76673	(09122717)	465283.41	3808341.91	2.66311	(09122717)
465303.41	3808341.91	2.60025	(09030119)	465323.41	3808341.91	2.57319	(09030119)
465343.41	3808341.91	2.52948	(09030119)	465363.41	3808341.91	2.57482	(09030119)
465383.41	3808341.91	2.57068	(09030119)	465403.41	3808341.91	2.53127	(09030119)
465423.41	3808341.91	2.55259	(09030119)	465443.41	3808341.91	2.59201	(09030119)
465463.41	3808341.91	2.65869	(09030119)	465483.41	3808341.91	2.70012	(09030119)
465503.41	3808341.91	2.74106	(09030119)	465523.41	3808341.91	2.78024	(09030119)
465543.41	3808341.91	2.79760	(09030119)	465563.41	3808341.91	2.83405	(09030119)
465583.41	3808341.91	2.86564	(09030119)	465603.41	3808341.91	2.83871	(09030119)
465623.41	3808341.91	2.80280	(09030119)	465643.41			

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3808341.91        2.81227  (09030119)
        465663.41   3808341.91        2.78502  (09030119)                465683.41
3808341.91        2.78749  (09030119)
        465703.41   3808341.91        2.79293  (09030119)                465103.41
3808361.91        4.02412  (09011918)
        465123.41   3808361.91        3.77255  (09011918)                465143.41
3808361.91        3.53410  (09011918)
        465163.41   3808361.91        3.30574  (09011918)                465183.41
3808361.91        3.12917  (09122717)
        465203.41   3808361.91        3.02443  (09122717)                465223.41
3808361.91        2.91835  (09122717)
        465243.41   3808361.91        2.81147  (09122717)                465263.41
3808361.91        2.70893  (09122717)
        465283.41   3808361.91        2.64124  (09030119)                465303.41
3808361.91        2.60894  (09030119)
        465323.41   3808361.91        2.54452  (09030119)                465343.41
3808361.91        2.50178  (09030119)
        465363.41   3808361.91        2.54542  (09030119)                465383.41
3808361.91        2.58553  (09030119)
        465403.41   3808361.91        2.60492  (09030119)                465423.41
3808361.91        2.57282  (09030119)
        465443.41   3808361.91        2.60400  (09030119)                465463.41
3808361.91        2.73604  (09030119)
        465483.41   3808361.91        2.77719  (09030119)                465503.41
3808361.91        2.81777  (09030119)
        465523.41   3808361.91        2.85132  (09030119)                465543.41
3808361.91        2.82467  (09030119)
        465563.41   3808361.91        2.83541  (09030119)                465583.41
3808361.91        2.87135  (09030119)
        465603.41   3808361.91        2.88637  (09030119)                465623.41
3808361.91        2.84011  (09030119)
        465643.41   3808361.91        2.81591  (09030119)                465663.41
3808361.91        2.84215  (09030119)
        465683.41   3808361.91        2.80578  (09030119)                465703.41
3808361.91        2.76467  (09030119)
        465183.41   3808381.91        3.07859  (09122717)                465203.41
3808381.91        2.97311  (09122717)
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*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S):   L0006729   , L0006730 , L0006731   , L0006732   , L0006733   ,
L0006734   , L0006735   , L0006736   , L0006737   , L0006738

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, L0006739    , L0006740    , L0006741    ,
                L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465223.41   3808381.91        2.86554  (09122717)               465243.41
3808381.91        2.75878  (09122717)
        465263.41   3808381.91        2.65434  (09122717)               465283.41
3808381.91        2.55966  (09030119)
        465303.41   3808381.91        2.57535  (09030119)               465323.41
3808381.91        2.51636  (09030119)
        465343.41   3808381.91        2.50570  (09030119)               465363.41
3808381.91        2.54748  (09030119)
        465383.41   3808381.91        2.58910  (09030119)               465403.41
3808381.91        2.62793  (09030119)
        465423.41   3808381.91        2.63661  (09030119)               465443.41
3808381.91        2.61090  (09030119)
        465463.41   3808381.91        2.75314  (09030119)               465483.41
3808381.91        2.79296  (09030119)
        465503.41   3808381.91        2.83222  (09030119)               465523.41
3808381.91        2.86687  (09030119)
        465543.41   3808381.91        2.86854  (09030119)               465563.41
3808381.91        2.81299  (09030119)
        465583.41   3808381.91        2.81757  (09030119)               465603.41
3808381.91        2.85276  (09030119)
        465623.41   3808381.91        2.85878  (09030119)               465643.41
3808381.91        2.85658  (09030119)
        465663.41   3808381.91        2.83761  (09030119)               465683.41
3808381.91        2.81916  (09030119)
        465703.41   3808381.91        2.78842  (09030119)               465303.41
3808401.91        2.50341  (09030119)
        465323.41   3808401.91        2.51521  (09030119)               465343.41
3808401.91        2.46253  (09030119)
        465363.41   3808401.91        2.50231  (09030119)               465383.41
3808401.91        2.54205  (09030119)
        465403.41   3808401.91        2.58169  (09030119)               465423.41
3808401.91        2.62116  (09030119)
        465443.41   3808401.91        2.66040  (09030119)               465463.41
3808401.91        2.69986  (09030119)
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        465483.41   3808401.91        2.73847  (09030119)               465503.41
3808401.91        2.77665  (09030119)
        465523.41   3808401.91        2.81433  (09030119)               465543.41
3808401.91        2.85146  (09030119)
        465563.41   3808401.91        2.85002  (09030119)               465583.41
3808401.91        2.82790  (09030119)
        465603.41   3808401.91        2.86187  (09030119)               465623.41
3808401.91        2.88883  (09030119)
        465643.41   3808401.91        2.89338  (09030119)               465663.41
3808401.91        2.83268  (09030119)
        465683.41   3808401.91        2.81880  (09030119)               465703.41
3808401.91        2.82138  (09030119)
        465323.41   3808421.91        2.44580  (09030119)               465343.41
3808421.91        2.48130  (09030119)
        465363.41   3808421.91        2.51920  (09030119)               465383.41
3808421.91        2.55708  (09030119)
        465403.41   3808421.91        2.59486  (09030119)               465423.41
3808421.91        2.63249  (09030119)
        465443.41   3808421.91        2.66991  (09030119)               465463.41
3808421.91        2.70705  (09030119)
        465483.41   3808421.91        2.74386  (09030119)               465503.41
3808421.91        2.78027  (09030119)
        465523.41   3808421.91        2.81621  (09030119)               465543.41
3808421.91        2.85162  (09030119)
        465563.41   3808421.91        2.88233  (09030119)               465583.41
3808421.91        2.89682  (09030119)
        465603.41   3808421.91        2.93021  (09030119)               465623.41
3808421.91        2.90712  (09030119)
        465643.41   3808421.91        2.86330  (09030119)               465663.41
3808421.91        2.87341  (09030119)
        465683.41   3808421.91        2.83373  (09030119)               465703.41
3808421.91        2.78898  (09030119)
        465323.41   3808441.91        2.44547  (09030119)               465343.41
3808441.91        2.48356  (09030119)
        465363.41   3808441.91        2.56449  (09030119)               465383.41
3808441.91        2.60730  (09030119)
        465403.41   3808441.91        2.64477  (09030119)               465423.41
3808441.91        2.68206  (09030119)
        465443.41   3808441.91        2.71909  (09030119)               465463.41
3808441.91        2.75580  (09030119)
        465483.41   3808441.91        2.79214  (09030119)               465503.41
3808441.91        2.82802  (09030119)
        465523.41   3808441.91        2.86340  (09030119)               465543.41
3808441.91        2.89820  (09030119)
        465563.41   3808441.91        2.93236  (09030119)               465583.41
3808441.91        2.96582  (09030119)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
INCLUDING SOURCE(S): L0006729 , L0006730 , L0006731 , L0006732 , L0006733 ,
L0006734 , L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006740 , L0006741 ,
L0006742 , L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006748 , L0006749 ,
L0006750 , L0006751 , L0006752 , L0006753 , L0006754 , L0006755 , L0006756 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465603.41	3808441.91	2.99852	(09030119)	465623.41	3808441.91	2.96912	(09030119)
465643.41	3808441.91	2.88738	(09030119)	465663.41	3808441.91	2.86523	(09030119)
465683.41	3808441.91	2.84343	(09030119)	465703.41	3808441.91	2.81343	(09030119)
465343.41	3808461.91	2.45471	(09030119)	465363.41	3808461.91	2.56970	(09030119)
465383.41	3808461.91	2.64872	(09030119)	465403.41	3808461.91	2.69111	(09030119)
465423.41	3808461.91	2.72783	(09030119)	465443.41	3808461.91	2.76427	(09030119)
465463.41	3808461.91	2.80096	(09030119)	465483.41	3808461.91	2.83665	(09030119)
465503.41	3808461.91	2.89262	(09030119)	465523.41	3808461.91	2.93427	(09030119)
465543.41	3808461.91	2.96852	(09030119)	465563.41	3808461.91	3.00204	(09030119)
465583.41	3808461.91	3.03477	(09030119)	465603.41	3808461.91	3.06665	(09030119)
465623.41	3808461.91	3.03529	(09030119)	465643.41	3808461.91	2.94689	(09030119)
465663.41	3808461.91	2.87258	(09030119)	465683.41	3808461.91	2.84559	(09030119)
465703.41	3808461.91	2.87126	(09030119)	465343.41

3808481.91 2.42339 (09030119)
465363.41 3808481.91 2.47213 (09030119) 465383.41
3808481.91 2.56505 (09030119)
465403.41 3808481.91 2.66608 (09030119) 465423.41
3808481.91 2.70103 (09030119)
465443.41 3808481.91 2.73578 (09030119) 465463.41
3808481.91 2.77026 (09030119)
465483.41 3808481.91 2.80440 (09030119) 465503.41
3808481.91 2.90855 (09030119)
465523.41 3808481.91 3.00531 (09030119) 465543.41
3808481.91 3.03888 (09030119)
465563.41 3808481.91 3.07164 (09030119) 465583.41
3808481.91 3.10351 (09030119)
465603.41 3808481.91 3.13444 (09030119) 465623.41
3808481.91 3.10115 (09030119)
465643.41 3808481.91 3.01053 (09030119) 465663.41
3808481.91 2.93365 (09030119)
465683.41 3808481.91 2.90546 (09030119) 465703.41
3808481.91 2.92417 (09030119)
465463.41 3808501.91 2.79748 (09030119) 465483.41
3808501.91 2.77989 (09030119)
465503.41 3808501.91 2.86361 (09030119) 465523.41
3808501.91 3.00801 (09030119)
465543.41 3808501.91 3.04025 (09030119) 465563.41
3808501.91 3.10388 (09030119)
465583.41 3808501.91 3.16695 (09030119) 465603.41
3808501.91 3.14109 (09030119)
465623.41 3808501.91 3.11601 (09030119) 465643.41
3808501.91 3.07385 (09030119)
465663.41 3808501.91 2.99450 (09030119) 465683.41
3808501.91 2.96511 (09030119)
465703.41 3808501.91 2.98100 (09030119) 465523.41
3808521.91 2.94096 (09030119)
465543.41 3808521.91 2.97243 (09030119) 465563.41
3808521.91 3.09390 (09030119)
465583.41 3808521.91 3.20183 (09030119) 465603.41
3808521.91 3.13178 (09030119)
465623.41 3808521.91 3.11207 (09030119) 465643.41
3808521.91 3.10958 (09030119)
465663.41 3808521.91 3.03875 (09030119) 465683.41
3808521.91 3.01711 (09030119)
465703.41 3808521.91 3.01201 (09030119) 464239.31
3809562.31 8.32469 (09011918)
464277.31 3809562.31 7.62402 (09011918) 463745.31
3809591.37 8.76350 (09120417)
463783.31 3809591.37 8.97976 (09120417) 463821.31
3809591.37 9.56504 (09120417)
463859.31 3809591.37 11.36434 (09120417) 463897.31
3809591.37 12.89229 (09120417)
463935.31 3809591.37 12.46513 (09120417) 464239.31

3809591.37   8.13377 (09011918)
        464277.31   3809591.37   7.39142 (09011918)   463745.31
3809620.43   8.68733 (09120417)
        463783.31   3809620.43   8.39316 (09120417)   463821.31
3809620.43   9.06207 (09120417)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK395 ***
                                  INCLUDING SOURCE(S):   L0006729   , L0006730
, L0006731   , L0006732   , L0006733   ,
                L0006734   , L0006735   , L0006736   , L0006737   , L0006738
, L0006739   , L0006740   , L0006741   ,
                L0006742   , L0006743   , L0006744   , L0006745   , L0006746
, L0006747   , L0006748   , L0006749   ,
                L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        463859.31   3809620.43   10.40424 (09120417)   463897.31
3809620.43   12.05028 (09120417)
        463935.31   3809620.43   12.25583 (09120417)   463973.31
3809620.43   11.85184 (09011918)
        464011.31   3809620.43   11.49670 (09011918)   464049.31
3809620.43   10.99049 (09011918)
        464087.31   3809620.43   10.38839 (09011918)   464125.31
3809620.43   9.83304 (09011918)
        464163.31   3809620.43   9.23179 (09011918)   464201.31
3809620.43   8.49484 (09011918)
        464239.31   3809620.43   7.88582 (09011918)   464277.31
3809620.43   7.12261 (09011918)
        463745.31   3809649.49   8.74137 (09011918)   463783.31
3809649.49   8.28992 (09120417)
        463821.31   3809649.49   8.37080 (09120417)   463859.31
3809649.49   9.31118 (09120417)

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        463897.31   3809649.49       10.98804  (09120417)              463935.31
3809649.49       11.70685  (09120417)
        463973.31   3809649.49       10.96751  (09011918)              464011.31
3809649.49       11.12443  (09011918)
        464049.31   3809649.49       10.82614  (09011918)              464087.31
3809649.49       10.16663  (09011918)
        464125.31   3809649.49        9.70113  (09011918)              464163.31
3809649.49        9.00214  (09011918)
        464201.31   3809649.49        8.33465  (09011918)              464239.31
3809649.49        7.65207  (09011918)
        464277.31   3809649.49        6.85827  (09011918)              464315.31
3809649.49        6.05272  (09011918)
        464353.31   3809649.49        5.34808  (09011918)              464391.31
3809649.49        4.65801  (09011918)
        464429.31   3809649.49        4.13202  (09030119)              464467.31
3809649.49        4.10133  (09030119)
        464505.31   3809649.49        3.92317  (09030119)              463745.31
3809678.55        8.70487  (09011918)
        463783.31   3809678.55        8.30296  (09011918)              463821.31
3809678.55        7.98441  (09120417)
        463859.31   3809678.55        8.26069  (09120417)              463897.31
3809678.55        9.82160  (09120417)
        463935.31   3809678.55       10.84934  (09120417)              463973.31
3809678.55       10.44624  (09120417)
        464011.31   3809678.55       10.40353  (09011918)              464049.31
3809678.55       10.59155  (09011918)
        464087.31   3809678.55       10.08797  (09011918)              464125.31
3809678.55        9.52668  (09011918)
        464163.31   3809678.55        8.84817  (09011918)              464201.31
3809678.55        8.19277  (09011918)
        464239.31   3809678.55        7.37096  (09011918)              464277.31
3809678.55        6.56268  (09011918)
        464315.31   3809678.55        5.78330  (09011918)              464353.31
3809678.55        5.08486  (09011918)
        464391.31   3809678.55        4.39226  (09011918)              464429.31
3809678.55        4.14955  (09030119)
        464467.31   3809678.55        4.02253  (09030119)              464505.31
3809678.55        3.92684  (09030119)
        463745.31   3809707.61        8.67488  (09011918)              463783.31
3809707.61        8.29217  (09011918)
        463821.31   3809707.61        7.88286  (09011918)              463859.31
3809707.61        7.62273  (09120417)
        463897.31   3809707.61        8.25099  (09120417)              463935.31
3809707.61        9.77490  (09120417)
        463973.31   3809707.61        9.79816  (09120417)              464011.31
3809707.61        9.95674  (09011918)
        464049.31   3809707.61       10.26909  (09011918)              464087.31
3809707.61        9.90086  (09011918)
        464125.31   3809707.61        9.36701  (09011918)              464163.31
3809707.61        8.71742  (09011918)
```

3809736.67 7.66540 (09011918)
464239.31 3809736.67 6.86979 (09011918) 464277.31
3809736.67 6.02147 (09011918)
464315.31 3809736.67 5.22995 (09011918) 464353.31
3809736.67 4.50740 (09011918)
464391.31 3809736.67 4.20585 (09030119) 464429.31
3809736.67 4.08227 (09030119)
464467.31 3809736.67 3.86961 (09030119) 464505.31
3809736.67 3.84107 (09030119)
463745.31 3809765.73 8.69370 (09011918) 463783.31
3809765.73 8.24740 (09011918)
463821.31 3809765.73 7.82083 (09011918) 463859.31
3809765.73 7.42309 (09011918)
463897.31 3809765.73 7.06602 (09011918) 463935.31
3809765.73 6.78132 (09011918)
463973.31 3809765.73 6.96382 (09011918) 464011.31
3809765.73 9.15241 (09011918)
464049.31 3809765.73 9.81277 (09011918) 464087.31
3809765.73 9.61577 (09011918)
464125.31 3809765.73 9.13024 (09011918) 464163.31
3809765.73 8.39640 (09011918)
464201.31 3809765.73 7.46102 (09011918) 464239.31
3809765.73 6.62594 (09011918)
464277.31 3809765.73 5.76648 (09011918) 464315.31
3809765.73 4.95182 (09011918)
464353.31 3809765.73 4.34854 (09030119) 464391.31
3809765.73 4.24260 (09030119)
464429.31 3809765.73 3.97322 (09030119) 464467.31
3809765.73 3.94217 (09030119)
464505.31 3809765.73 3.84059 (09030119) 463745.31
3809794.79 8.70702 (09011918)
463783.31 3809794.79 8.21684 (09011918) 463821.31
3809794.79 7.78311 (09011918)
463859.31 3809794.79 7.36627 (09011918) 463897.31
3809794.79 6.97157 (09011918)
463935.31 3809794.79 6.54816 (09011918) 463973.31
3809794.79 6.30285 (09011918)
464011.31 3809794.79 6.96653 (09011918) 464049.31
3809794.79 9.56198 (09011918)
464087.31 3809794.79 9.44246 (09011918) 464125.31
3809794.79 8.85666 (09011918)
464163.31 3809794.79 8.09173 (09011918) 464201.31
3809794.79 7.21859 (09011918)
464239.31 3809794.79 6.31223 (09011918) 464277.31
3809794.79 5.46239 (09011918)
464315.31 3809794.79 4.68169 (09011918) 464353.31
3809794.79 4.36396 (09030119)
464391.31 3809794.79 4.08356 (09030119) 464429.31
3809794.79 4.04763 (09030119)
464467.31 3809794.79 3.96673 (09030119) 464505.31

3809794.79   3.76133 (09030119)
        463745.31   3809823.85   8.71836 (09011918)   463783.31
3809823.85   8.18560 (09011918)
        463821.31   3809823.85   7.70189 (09011918)   463859.31
3809823.85   7.29440 (09011918)
        463897.31   3809823.85   6.89171 (09011918)   463935.31
3809823.85   6.47224 (09011918)
        463973.31   3809823.85   6.06216 (09011918)   464011.31
3809823.85   5.93030 (09011918)
        464049.31   3809823.85   7.53069 (09011918)   464087.31
3809823.85   8.99112 (09011918)
        464125.31   3809823.85   8.60873 (09011918)   464163.31
3809823.85   7.80878 (09011918)
        464201.31   3809823.85   6.88303 (09011918)   464239.31
3809823.85   6.00968 (09011918)
        464277.31   3809823.85   5.16533 (09011918)   464315.31
3809823.85   4.51990 (09030119)
        464353.31   3809823.85   4.20139 (09030119)   464391.31
3809823.85   4.13738 (09030119)
        464429.31   3809823.85   4.07455 (09030119)   464467.31
3809823.85   3.94379 (09030119)
        464505.31   3809823.85   3.75158 (09030119)   463745.31
3809852.91   8.75138 (09011918)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
                                    INCLUDING SOURCE(S):   L0006729   , L0006730 , L0006731   , L0006732   , L0006733   ,
                 L0006734   , L0006735   , L0006736   , L0006737   , L0006738 , L0006739   , L0006740   , L0006741   ,
                 L0006742   , L0006743   , L0006744   , L0006745   , L0006746 , L0006747   , L0006748   , L0006749   ,
                 L0006750   , L0006751   , L0006752   , L0006753   , L0006754 , L0006755   , L0006756   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)

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 - - -
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        464011.31   3809911.03        5.65291  (10020118)               464049.31
3809911.03        5.54496  (10020118)
        464087.31   3809911.03        5.40755  (10020118)               464125.31
3809911.03        5.23633  (10020118)
        464163.31   3809911.03        5.05227  (10020118)               464201.31
3809911.03        4.85893  (10020118)
        464239.31   3809911.03        4.69346  (10020118)               464277.31
3809911.03        4.51650  (10020118)
        464315.31   3809911.03        4.36385  (10020118)               464353.31
3809911.03        4.22520  (10020118)
        464391.31   3809911.03        4.10808  (09030119)               464429.31
3809911.03        3.99964  (09030119)
        464467.31   3809911.03        3.87750  (10020118)               464505.31
3809911.03        3.78230  (10020118)
        463745.31   3809940.09        8.80833  (09011918)               463783.31
3809940.09        8.15288  (09011918)
        463821.31   3809940.09        7.59794  (09011918)               463859.31
3809940.09        7.06074  (09011918)
        463897.31   3809940.09        6.57025  (09011918)               463935.31
3809940.09        6.10050  (09011918)
        463973.31   3809940.09        5.75272  (10020118)               464011.31
3809940.09        5.59078  (10020118)
        464049.31   3809940.09        5.48630  (10020118)               464087.31
3809940.09        5.36234  (10020118)
        464125.31   3809940.09        5.22580  (10020118)               464163.31
3809940.09        5.08189  (10020118)
        464201.31   3809940.09        4.89767  (10020118)               464239.31
3809940.09        4.70998  (10020118)
        464277.31   3809940.09        4.54556  (10020118)               464315.31
3809940.09        4.39158  (10020118)
        464353.31   3809940.09        4.24776  (10020118)               464391.31
3809940.09        4.11687  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 630
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK395 ***
                                  INCLUDING SOURCE(S):     L0006729    , L0006730
, L0006731    , L0006732    , L0006733    ,
                 L0006734    , L0006735    , L0006736    , L0006737    , L0006738
, L0006739    , L0006740    , L0006741    ,
                 L0006742    , L0006743    , L0006744    , L0006745    , L0006746
, L0006747    , L0006748    , L0006749    ,
                 L0006750    , L0006751    , L0006752    , L0006753    , L0006754
, L0006755    , L0006756    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464429.31	3809940.09	3.99554	(10020118)	464467.31	3809940.09	3.89078	(10020118)
464505.31	3809940.09	3.79975	(10020118)	463745.31	3809969.15	8.89499	(09011918)
463783.31	3809969.15	8.15617	(09011918)	463821.31	3809969.15	7.55769	(09011918)
463859.31	3809969.15	7.00838	(09011918)	463897.31	3809969.15	6.50068	(09011918)
463935.31	3809969.15	6.02099	(09011918)	463973.31	3809969.15	5.74308	(10020118)
464011.31	3809969.15	5.55478	(10020118)	464049.31	3809969.15	5.41593	(10020118)
464087.31	3809969.15	5.30783	(10020118)	464125.31	3809969.15	5.19878	(10020118)
464163.31	3809969.15	5.07226	(10020118)	464201.31	3809969.15	4.91945	(10020118)
464239.31	3809969.15	4.74318	(10020118)	464277.31	3809969.15	4.58279	(10020118)
464315.31	3809969.15	4.40238	(10020118)	464353.31	3809969.15	4.25184	(10020118)
464391.31	3809969.15	4.12158	(10020118)	464429.31	3809969.15	4.00651	(10020118)
464467.31	3809969.15	3.90605	(10020118)	464505.31	3809969.15	3.80198	(10020118)
463745.31	3809998.21	9.08575	(09011918)	463783.31	3809998.21	8.22885	(09011918)
463821.31	3809998.21	7.55508	(09011918)	463859.31	3809998.21	6.96716	(09011918)
463897.31	3809998.21	6.43846	(09011918)	463935.31	3809998.21	5.93363	(09011918)
463973.31	3809998.21	5.72898	(10020118)	464011.31	3809998.21	5.54483	(10020118)
464049.31	3809998.21	5.39325	(10020118)	464087.31	3809998.21	5.27528	(10020118)
464125.31	3809998.21	5.18113	(10020118)	464163.31	3809998.21	5.06396	(10020118)
464201.31	3809998.21	4.93557	(10020118)	464239.31	3809998.21	4.76921	(10020118)
464277.31	3809998.21	4.59292	(10020118)	464315.31			

3809998.21 4.43810 (10020118)
  464353.31 3809998.21 4.26517 (10020118) 464391.31
3809998.21 4.13522 (10020118)
  464429.31 3809998.21 4.02211 (10020118) 464467.31
3809998.21 3.91396 (10020118)
  464505.31 3809998.21 3.80932 (10020118) 463745.31
3810027.27 9.25863 (09011918)
  463783.31 3810027.27 8.34269 (09011918) 463821.31
3810027.27 7.58903 (09011918)
  463859.31 3810027.27 6.94846 (09011918) 463897.31
3810027.27 6.39009 (09011918)
  463935.31 3810027.27 5.93199 (10020118) 463973.31
3810027.27 5.73096 (10020118)
  464011.31 3810027.27 5.54385 (10020118) 464049.31
3810027.27 5.38820 (10020118)
  464087.31 3810027.27 5.24880 (10020118) 464125.31
3810027.27 5.14670 (10020118)
  464163.31 3810027.27 5.05066 (10020118) 464201.31
3810027.27 4.93087 (10020118)
  464239.31 3810027.27 4.79100 (10020118) 464277.31
3810027.27 4.61853 (10020118)
  464315.31 3810027.27 4.44609 (10020118) 464353.31
3810027.27 4.29690 (10020118)
  464391.31 3810027.27 4.16108 (10020118) 464429.31
3810027.27 4.03409 (10020118)
  464467.31 3810027.27 3.92014 (10020118) 464505.31
3810027.27 3.81740 (10020118)
  463745.31 3810056.33 9.41993 (09011918) 463783.31
3810056.33 8.45092 (09011918)
  463821.31 3810056.33 7.61756 (09011918) 463859.31
3810056.33 6.93691 (09011918)
  463897.31 3810056.33 6.33437 (09011918) 463935.31
3810056.33 5.96436 (10020118)
  463973.31 3810056.33 5.74410 (10020118) 464011.31
3810056.33 5.54408 (10020118)
  464049.31 3810056.33 5.36897 (10020118) 464087.31
3810056.33 5.22890 (10020118)
  464125.31 3810056.33 5.10917 (10020118) 464163.31
3810056.33 5.02172 (10020118)
  464201.31 3810056.33 4.91281 (10020118) 464239.31
3810056.33 4.78635 (10020118)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCK395 ***
                                INCLUDING SOURCE(S):   L0006729   , L0006730
, L0006731   , L0006732   , L0006733   ,
                L0006734   , L0006735   , L0006736   , L0006737   , L0006738
, L0006739   , L0006740   , L0006741   ,
                L0006742   , L0006743   , L0006744   , L0006745   , L0006746
, L0006747   , L0006748   , L0006749   ,
                L0006750   , L0006751   , L0006752   , L0006753   , L0006754
, L0006755   , L0006756   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        464277.31   3810056.33   4.64732 (10020118)   464315.31
3810056.33   4.47514 (10020118)
        464353.31   3810056.33   4.30301 (10020118)   464391.31
3810056.33   4.16223 (10020118)
        464429.31   3810056.33   4.03901 (10020118)   464467.31
3810056.33   3.92897 (10020118)
        464505.31   3810056.33   3.81790 (10020118)   463745.31
3810085.39   10.59106 (09120417)
        463783.31   3810085.39   8.54055 (09011918)   463821.31
3810085.39   7.65753 (09011918)
        463859.31   3810085.39   6.92040 (09011918)   463897.31
3810085.39   6.32984 (10020118)
        463935.31   3810085.39   6.01230 (10020118)   463973.31
3810085.39   5.76469 (10020118)
        464011.31   3810085.39   5.53960 (10020118)   464049.31
3810085.39   5.33685 (10020118)
        464087.31   3810085.39   5.20148 (10020118)   464125.31
3810085.39   5.08207 (10020118)
        464163.31   3810085.39   4.98492 (10020118)   464201.31
3810085.39   4.88293 (10020118)
        464239.31   3810085.39   4.77004 (10020118)   464277.31
3810085.39   4.63945 (10020118)
        464315.31   3810085.39   4.50402 (10020118)   464353.31
3810085.39   4.33084 (10020118)
        464391.31   3810085.39   4.17583 (10020118)   464429.31
3810085.39   4.05300 (10020118)
        464467.31   3810085.39   3.93318 (10020118)   464505.31
3810085.39   3.82137 (10020118)
        463745.31   3810114.45   13.27586 (09120417)   463783.31
3810114.45   8.64753 (09011918)

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        463821.31   3810114.45        7.70901  (09011918)              463859.31
3810114.45        6.94339  (09011918)
        463897.31   3810114.45        6.42243  (10020118)              463935.31
3810114.45        6.07080  (10020118)
        463973.31   3810114.45        5.78425  (10020118)              464011.31
3810114.45        5.54561  (10020118)
        464049.31   3810114.45        5.32728  (10020118)              464087.31
3810114.45        5.17619  (10020118)
        464125.31   3810114.45        5.04217  (10020118)              464163.31
3810114.45        4.93504  (10020118)
        464201.31   3810114.45        4.83792  (10020118)              464239.31
3810114.45        4.74724  (10020118)
        464277.31   3810114.45        4.62680  (10020118)              464315.31
3810114.45        4.48811  (10020118)
        464353.31   3810114.45        4.34888  (10020118)              464391.31
3810114.45        4.21006  (10020118)
        464429.31   3810114.45        4.07534  (10020118)              464467.31
3810114.45        3.93682  (10020118)
        464505.31   3810114.45        3.80486  (10020118)              463745.31
3810143.51       14.17214  (09120417)
        463783.31   3810143.51        9.05681  (09011918)              463821.31
3810143.51        7.77762  (09011918)
        463859.31   3810143.51        7.08744  (10020118)              463897.31
3810143.51        6.51565  (10020118)
        463935.31   3810143.51        6.10801  (10020118)              463973.31
3810143.51        5.77854  (10020118)
        464011.31   3810143.51        5.55456  (10020118)              464049.31
3810143.51        5.32589  (10020118)
        464087.31   3810143.51        5.13962  (10020118)              464125.31
3810143.51        5.00366  (10020118)
        464163.31   3810143.51        4.89575  (10020118)              464201.31
3810143.51        4.79598  (10020118)
        464239.31   3810143.51        4.70307  (10020118)              464277.31
3810143.51        4.60543  (10020118)
        464315.31   3810143.51        4.46933  (10020118)              464353.31
3810143.51        4.32219  (10020118)
        464391.31   3810143.51        4.18650  (10020118)              464429.31
3810143.51        4.04916  (10020118)
        464467.31   3810143.51        3.91437  (10020118)              464505.31
3810143.51        3.77976  (10020118)
        464383.78   3807479.29        6.24424  (09121017)              464355.03
3807405.24        5.92233  (09121017)
        464402.07   3807352.10        5.88493  (09121017)              464367.23
3807296.35        5.52471  (09121017)
        464358.52   3807237.99        5.15201  (09121017)              464385.52
3807161.33        5.01854  (09121017)
        463132.27   3810926.37       22.35503  (10021119)              463237.82
3811199.31       46.01884  (10021119)
        464944.35   3809244.89        3.45450  (09030119)              465700.32
3809255.46        2.13955  (10020118)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK395 ***
                                    INCLUDING SOURCE(S):   L0006729   , L0006730 , L0006731   , L0006732   , L0006733   ,
                  L0006734   , L0006735   , L0006736   , L0006737   , L0006738 , L0006739   , L0006740   , L0006741   ,
                  L0006742   , L0006743   , L0006744   , L0006745   , L0006746 , L0006747   , L0006748   , L0006749   ,
                  L0006750   , L0006751   , L0006752   , L0006753   , L0006754 , L0006755   , L0006756   , . . .   ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465716.18   3808536.49   2.99393 (09030119)   465544.37   3808533.85   2.95531 (09030119)
        465420.13   3808486.27   2.67250 (09030119)   465348.77   3808491.56   2.42532 (09030119)
        465317.05   3808443.98   2.42415 (09030119)   465327.62   3808406.97   2.46755 (09030119)
        465108.23   3808369.97   3.92289 (09011918)   464999.86   3808301.24   5.42617 (09011918)
        464722.31   3807973.48   6.77287 (09011918)   464717.03   3807836.03   6.37125 (09011918)
        464344.33   3807936.47   8.27891 (09031218)   464349.61   3807780.52   7.31107 (09031218)
        464386.62   3807785.81   7.47198 (09031218)   464521.43   3807859.82   7.74570 (09120417)
        464537.28   3807719.72   7.63913 (09031218)   464426.27   3807613.99   7.19753 (09031218)
        464368.43   3807532.62   6.44210 (09121017)   464324.60   3807121.91   4.29642 (09121017)
        464123.31   3807123.54   7.70365 (09123118)   463930.13   3806909.26   6.22113 (09123118)
        463831.11   3806906.01   5.83809 (09011117)   463821.36

3806720.95   5.59512 (09011117)
        463727.21   3806727.44   6.16875 (09011117)   463598.97
3806334.59   7.16477 (09111519)
        463001.06   3806361.54   4.04759 (10102005)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                   INCLUDING SOURCE(S):   L0006139   , L0006140 , L0006141   , L0006142   , L0006143   ,
                L0006144   , L0006145   , L0006146   , L0006147   , L0006148 , L0006149   , L0006150   , L0006151   ,
                L0006152   , L0006153   , L0006154   , L0006155   , L0006156 , L0006157   , L0006158   , L0006159   ,
                L0006160   , L0006161   , L0006162   , L0006163   , L0006164 , L0006165   , L0006166   , . . .   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        462160.55   3809377.75   3.02243 (09012007)   462051.48 3809270.62   2.88962 (09012007)
        462014.47   3809029.10   2.89452 (10050705)   462010.58 3808855.75   3.01530 (09021807)
        461936.56   3808886.92   2.87795 (09021807)   461936.56 3808997.94   2.80998 (10050705)
        461909.30   3808768.10   2.86101 (09021807)   461835.28 3808894.71   2.71885 (09021807)
        461845.02   3808995.99   2.69091 (09021807)   461833.33 3809114.80   2.60839 (10050705)
        461843.07   3809210.24   2.53835 (10050705)   461809.96 3809297.89   2.44436 (09012007)
        461856.71   3809385.54   2.52981 (09012007)   461841.13 3809482.92   2.49710 (09012007)
        462004.74   3809379.69   2.78304 (09012007)   461763.22 3808793.43   2.62349 (09021807)

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        461753.48   3808699.93        2.67957  (09022407)              461835.28
3808686.30        2.86121  (09022407)
        461823.60   3808579.17        2.88006  (09022407)              461761.27
3808585.02        2.77787  (09022407)
        462301.19   3807807.15        7.52627  (10021620)              462304.78
3807868.16        7.55526  (10021620)
        462216.84   3807882.52        7.15419  (10021620)              462116.34
3807886.11        6.73784  (10021620)
        462114.55   3807789.20        6.76538  (10021620)              462012.25
3807887.90        6.32915  (10021620)
        462008.66   3807975.84        6.09264  (10021620)              461917.14
3807972.25        5.75714  (10021620)
        461922.52   3808187.60        3.58348  (09021520)              461908.17
3808288.10        3.04169  (10042219)
        461848.94   3808377.83        2.93706  (09022407)              461831.00
3808494.48        2.86606  (09022407)
        462421.43   3808393.98        4.45650  (09022407)              462459.11
3808501.66        4.41885  (09021807)
        462437.58   3808580.62        4.28243  (09021807)              462654.73
3809189.00        4.48873  (09022207)
        462559.49   3809194.32        4.16123  (09022207)              465763.86
3807935.19        1.90201  (09010419)
        465819.84   3807935.19        1.85927  (09010419)              465875.82
3807935.19        1.81728  (09010419)
        465931.80   3807935.19        1.77708  (09010419)              465987.78
3807935.19        1.73772  (09010419)
        466043.76   3807935.19        1.69942  (09010419)              466099.74
3807935.19        1.66212  (09010419)
        466155.72   3807935.19        1.62575  (09010419)              466211.70
3807935.19        1.59023  (09010419)
        466267.68   3807935.19        1.55569  (09010419)              466323.66
3807935.19        1.52071  (09010419)
        466379.64   3807935.19        1.48804  (09010419)              466435.62
3807935.19        1.45608  (09010419)
        466491.60   3807935.19        1.42484  (09010419)              466547.58
3807935.19        1.39120  (09010419)
        466603.56   3807935.19        1.36079  (09010419)              466659.54
3807935.19        1.33106  (09010419)
        466715.52   3807935.19        1.30206  (09010419)              466771.50
3807935.19        1.27333  (09010419)
        466827.48   3807935.19        1.24408  (09010419)              466883.46
3807935.19        1.21647  (09010419)
        465763.86   3808001.41        1.91788  (09120320)              465819.84
3808001.41        1.87065  (09120320)
        465875.82   3808001.41        1.82405  (09120320)              465931.80
3808001.41        1.78350  (09010419)
        465987.78   3808001.41        1.74758  (09010419)              466043.76
3808001.41        1.70894  (09010419)
        466099.74   3808001.41        1.67634  (09010419)              466155.72
3808001.41        1.64164  (09010419)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465819.84	3808067.63	1.88537	(09120320)	465875.82	3808067.63	1.84177	(09120320)
465931.80	3808067.63	1.79914	(09120320)	465987.78	3808067.63	1.75752	(09120320)
466043.76	3808067.63	1.71681	(09120320)	466099.74	3808067.63	1.67978	(09010419)
466155.72	3808067.63	1.64710	(09010419)	466211.70			

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3808067.63        1.61487  (09010419)
        466267.68   3808067.63        1.58349  (09010419)                466323.66
3808067.63        1.55230  (09010419)
        466379.64   3808067.63        1.52181  (09010419)                466435.62
3808067.63        1.49399  (09010419)
        466491.60   3808067.63        1.46280  (09010419)                466547.58
3808067.63        1.43416  (09010419)
        466603.56   3808067.63        1.40613  (09010419)                466659.54
3808067.63        1.37874  (09010419)
        466715.52   3808067.63        1.35229  (09010419)                466771.50
3808067.63        1.32628  (09010419)
        466827.48   3808067.63        1.29934  (09010419)                466883.46
3808067.63        1.27226  (09010419)
        465763.86   3808133.85        1.93376  (09120320)                465819.84
3808133.85        1.89081  (09120320)
        465875.82   3808133.85        1.84938  (09120320)                465931.80
3808133.85        1.80893  (09120320)
        465987.78   3808133.85        1.77256  (09120320)                466043.76
3808133.85        1.73338  (09120320)
        466099.74   3808133.85        1.69509  (09120320)                466155.72
3808133.85        1.65752  (09120320)
        466211.70   3808133.85        1.62070  (09120320)                466267.68
3808133.85        1.58477  (09120320)
        466323.66   3808133.85        1.55551  (09010419)                466379.64
3808133.85        1.52737  (09010419)
        466435.62   3808133.85        1.49955  (09010419)                466491.60
3808133.85        1.47234  (09010419)
        466547.58   3808133.85        1.44482  (09010419)                466603.56
3808133.85        1.41851  (09010419)
        466659.54   3808133.85        1.39269  (09010419)                466715.52
3808133.85        1.36707  (09010419)
        466771.50   3808133.85        1.33989  (09010419)                466827.48
3808133.85        1.31560  (09010419)
        466883.46   3808133.85        1.29124  (09010419)                465763.86
3808200.07        1.92792  (09120320)
        465819.84   3808200.07        1.88752  (09120320)                465875.82
3808200.07        1.84822  (09120320)
        465931.80   3808200.07        1.81297  (09120320)                465987.78
3808200.07        1.77536  (09120320)
        466043.76   3808200.07        1.73863  (09120320)                466099.74
3808200.07        1.70262  (09120320)
        466155.72   3808200.07        1.66732  (09120320)                466211.70
3808200.07        1.63269  (09120320)
        466267.68   3808200.07        1.59876  (09120320)                466323.66
3808200.07        1.56791  (09120320)
        466379.64   3808200.07        1.53506  (09120320)                466435.62
3808200.07        1.50272  (09120320)
        466491.60   3808200.07        1.47282  (09010419)                466547.58
3808200.07        1.44723  (09010419)
        466603.56   3808200.07        1.42214  (09010419)                466659.54
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3808200.07   1.39753 (09010419)
        466715.52   3808200.07   1.37343 (09010419)   466771.50
3808200.07   1.34915 (09010419)
        466827.48   3808200.07   1.32459 (09010419)   466883.46
3808200.07   1.30168 (09010419)
        465763.86   3808266.29   1.92385 (10021420)   465819.84
3808266.29   1.87577 (09120320)
        465875.82   3808266.29   1.84091 (09120320)   465931.80
3808266.29   1.80489 (09120320)
        465987.78   3808266.29   1.76972 (09120320)   466043.76
3808266.29   1.73533 (09120320)
        466099.74   3808266.29   1.70167 (09120320)   466155.72
3808266.29   1.66867 (09120320)
        466211.70   3808266.29   1.63650 (09120320)   466267.68
3808266.29   1.60614 (09120320)
        466323.66   3808266.29   1.57484 (09120320)   466379.64
3808266.29   1.54612 (09120320)
        466435.62   3808266.29   1.51607 (09120320)   466491.60
3808266.29   1.48506 (09120320)
        466547.58   3808266.29   1.45523 (09120320)   466603.56
3808266.29   1.42586 (09120320)
        466659.54   3808266.29   1.39829 (09120320)   466715.52
3808266.29   1.37176 (09010419)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                   INCLUDING SOURCE(S):   L0006139   , L0006140 , L0006141   , L0006142   , L0006143   ,
                 L0006144   , L0006145   , L0006146   , L0006147   , L0006148 , L0006149   , L0006150   , L0006151   ,
                 L0006152   , L0006153   , L0006154   , L0006155   , L0006156 , L0006157   , L0006158   , L0006159   ,
                 L0006160   , L0006161   , L0006162   , L0006163   , L0006164 , L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)

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        465931.80   3808464.95        1.84153  (10021420)               465987.78
3808464.95        1.79749  (10021420)
        466043.76   3808464.95        1.75521  (10021420)               466099.74
3808464.95        1.71003  (10021420)
        466155.72   3808464.95        1.66515  (10021420)               466211.70
3808464.95        1.62068  (10021420)
        466267.68   3808464.95        1.57982  (10021420)               466323.66
3808464.95        1.55020  (09120320)
        466379.64   3808464.95        1.52742  (09120320)               466435.62
3808464.95        1.50323  (09120320)
        466491.60   3808464.95        1.48133  (09120320)               466547.58
3808464.95        1.45740  (09120320)
        466603.56   3808464.95        1.43380  (09120320)               466659.54
3808464.95        1.41050  (09120320)
        466715.52   3808464.95        1.38762  (09120320)               466771.50
3808464.95        1.36500  (09120320)
        466827.48   3808464.95        1.34255  (09120320)               466883.46
3808464.95        1.32035  (09120320)
        465763.86   3808531.17        1.97297  (10021420)               465819.84
3808531.17        1.93079  (10021420)
        465875.82   3808531.17        1.88884  (10021420)               465931.80
3808531.17        1.84701  (10021420)
        465987.78   3808531.17        1.80838  (10021420)               466043.76
3808531.17        1.76815  (10021420)
        466099.74   3808531.17        1.72818  (10021420)               466155.72
3808531.17        1.68674  (10021420)
        466211.70   3808531.17        1.64568  (10021420)               466267.68
3808531.17        1.60695  (10021420)
        466323.66   3808531.17        1.56786  (10021420)               466379.64
3808531.17        1.52751  (10021420)
        466435.62   3808531.17        1.48915  (10021420)               466491.60
3808531.17        1.46222  (09120320)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 636
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK3I1 ***
                                  INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                 L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                 L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                 L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466547.58	3808531.17	1.44064	(09120320)	466603.56	3808531.17	1.41929	(09120320)
466659.54	3808531.17	1.39810	(09120320)	466715.52	3808531.17	1.37743	(09120320)
466771.50	3808531.17	1.35638	(09120320)	466827.48	3808531.17	1.33653	(09120320)
466883.46	3808531.17	1.31632	(09120320)	465763.86	3808597.39	1.95732	(10021420)
465819.84	3808597.39	1.92368	(10021420)	465875.82	3808597.39	1.88515	(10021420)
465931.80	3808597.39	1.84354	(10021420)	465987.78	3808597.39	1.80843	(10021420)
466043.76	3808597.39	1.77406	(10021420)	466099.74	3808597.39	1.73631	(10021420)
466155.72	3808597.39	1.69928	(10021420)	466211.70	3808597.39	1.66248	(10021420)
466267.68	3808597.39	1.62454	(10021420)	466323.66	3808597.39	1.58956	(10021420)
466379.64	3808597.39	1.55384	(10021420)	466435.62	3808597.39	1.51611	(10021420)
466491.60	3808597.39	1.47968	(10021420)	466547.58	3808597.39	1.44266	(10021420)
466603.56	3808597.39	1.40505	(10021420)	466659.54	3808597.39	1.37900	(09120320)
466715.52	3808597.39	1.36028	(09120320)	466771.50	3808597.39	1.34164	(09120320)
466827.48	3808597.39	1.32311	(09120320)	466883.46	3808597.39	1.30589	(09120320)
465763.86	3808663.61	1.93146	(10021420)	465819.84	3808663.61	1.90300	(10021420)
465875.82	3808663.61	1.86934	(10021420)	465931.80	3808663.61	1.83574	(10021420)
465987.78	3808663.61	1.80233	(10021420)	466043.76	3808663.61	1.76854	(10021420)
466099.74	3808663.61	1.73628	(10021420)	466155.72	3808663.61	1.70193	(10021420)
466211.70	3808663.61	1.66719	(10021420)	466267.68	3808663.61	1.63269	(10021420)
466323.66	3808663.61	1.60204	(10021420)	466379.64			

3808663.61 1.56728 (10021420)
466435.62 3808663.61 1.53634 (10021420) 466491.60
3808663.61 1.50130 (10021420)
466547.58 3808663.61 1.46610 (10021420) 466603.56
3808663.61 1.43100 (10021420)
466659.54 3808663.61 1.39597 (10021420) 466715.52
3808663.61 1.36144 (10021420)
466771.50 3808663.61 1.32704 (10021420) 466827.48
3808663.61 1.30295 (09120320)
466883.46 3808663.61 1.28644 (09120320) 465763.86
3808729.83 1.90126 (10021420)
465819.84 3808729.83 1.87814 (10021420) 465875.82
3808729.83 1.84849 (10021420)
465931.80 3808729.83 1.81727 (10021420) 465987.78
3808729.83 1.78628 (10021420)
466043.76 3808729.83 1.75563 (10021420) 466099.74
3808729.83 1.72489 (10021420)
466155.72 3808729.83 1.69410 (10021420) 466211.70
3808729.83 1.66287 (10021420)
466267.68 3808729.83 1.63188 (10021420) 466323.66
3808729.83 1.60450 (10021420)
466379.64 3808729.83 1.57462 (10021420) 466435.62
3808729.83 1.54318 (10021420)
466491.60 3808729.83 1.51342 (10021420) 466547.58
3808729.83 1.48120 (10021420)
466603.56 3808729.83 1.44893 (10021420) 466659.54
3808729.83 1.42007 (10021420)
466715.52 3808729.83 1.38756 (10021420) 466771.50
3808729.83 1.35537 (10021420)
466827.48 3808729.83 1.32415 (10021420) 466883.46
3808729.83 1.29206 (10021420)
465763.86 3808796.05 1.87923 (10030307) 465819.84
3808796.05 1.83986 (10021420)
465875.82 3808796.05 1.81066 (10021420) 465931.80
3808796.05 1.78539 (10021420)
465987.78 3808796.05 1.75902 (10021420) 466043.76
3808796.05 1.73289 (10021420)
466099.74 3808796.05 1.70646 (10021420) 466155.72
3808796.05 1.67973 (10021420)
466211.70 3808796.05 1.65270 (10021420) 466267.68
3808796.05 1.62526 (10021420)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        466323.66   3808796.05   1.59866 (10021420)   466379.64
3808796.05   1.57139 (10021420)
        466435.62   3808796.05   1.54550 (10021420)   466491.60
3808796.05   1.51670 (10021420)
        466547.58   3808796.05   1.48807 (10021420)   466603.56
3808796.05   1.46115 (10021420)
        466659.54   3808796.05   1.43185 (10021420)   466715.52
3808796.05   1.40329 (10021420)
        466771.50   3808796.05   1.37404 (10021420)   466827.48
3808796.05   1.34427 (10021420)
        466883.46   3808796.05   1.31616 (10021420)   465763.86
3808862.27   1.88783 (10030307)
        465819.84   3808862.27   1.84399 (10030307)   465875.82
3808862.27   1.79669 (10030307)
        465931.80   3808862.27   1.74286 (10030307)   465987.78
3808862.27   1.71865 (10021420)
        466043.76   3808862.27   1.69674 (10021420)   466099.74
3808862.27   1.67631 (10021420)
        466155.72   3808862.27   1.65158 (10021420)   466211.70
3808862.27   1.62842 (10021420)
        466267.68   3808862.27   1.60727 (10021420)   466323.66
3808862.27   1.58336 (10021420)
        466379.64   3808862.27   1.56026 (10021420)   466435.62
3808862.27   1.53626 (10021420)
        466491.60   3808862.27   1.51192 (10021420)   466547.58
3808862.27   1.48745 (10021420)
        466603.56   3808862.27   1.46143 (10021420)   466659.54
3808862.27   1.43725 (10021420)
        466715.52   3808862.27   1.41058 (10021420)   466771.50
3808862.27   1.38420 (10021420)

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        466827.48   3808862.27        1.35828  (10021420)              466883.46
3808862.27        1.33179  (10021420)
        465763.86   3808928.49        1.87809  (10031906)              465819.84
3808928.49        1.83967  (10030307)
        465875.82   3808928.49        1.80189  (10030307)              465931.80
3808928.49        1.75933  (10030307)
        465987.78   3808928.49        1.71398  (10030307)              466043.76
3808928.49        1.66780  (10030307)
        466099.74   3808928.49        1.63453  (10021420)              466155.72
3808928.49        1.61638  (10021420)
        466211.70   3808928.49        1.59772  (10021420)              466267.68
3808928.49        1.57810  (10021420)
        466323.66   3808928.49        1.55774  (10021420)              466379.64
3808928.49        1.53691  (10021420)
        466435.62   3808928.49        1.51777  (10021420)              466491.60
3808928.49        1.49746  (10021420)
        466547.58   3808928.49        1.47576  (10021420)              466603.56
3808928.49        1.45581  (10021420)
        466659.54   3808928.49        1.43272  (10021420)              466715.52
3808928.49        1.41031  (10021420)
        466771.50   3808928.49        1.38645  (10021420)              466827.48
3808928.49        1.36392  (10021420)
        466883.46   3808928.49        1.33949  (10021420)              465763.86
3808994.71        1.88516  (10031906)
        465819.84   3808994.71        1.84017  (10031906)              465875.82
3808994.71        1.80000  (10030307)
        465931.80   3808994.71        1.76671  (10030307)              465987.78
3808994.71        1.73242  (10030307)
        466043.76   3808994.71        1.68868  (10030307)              466099.74
3808994.71        1.64177  (10030307)
        466155.72   3808994.71        1.59302  (10030307)              466211.70
3808994.71        1.55458  (10021420)
        466267.68   3808994.71        1.53943  (10021420)              466323.66
3808994.71        1.52363  (10021420)
        466379.64   3808994.71        1.50711  (10021420)              466435.62
3808994.71        1.48998  (10021420)
        466491.60   3808994.71        1.47385  (10021420)              466547.58
3808994.71        1.45811  (10021420)
        466603.56   3808994.71        1.43960  (10021420)              466659.54
3808994.71        1.41974  (10021420)
        466715.52   3808994.71        1.40288  (10021420)              466771.50
3808994.71        1.38172  (10021420)
        466827.48   3808994.71        1.36020  (10021420)              466883.46
3808994.71        1.34021  (10021420)
        465763.86   3809060.93        1.88431  (10031906)              465819.84
3809060.93        1.84531  (10031906)
        465875.82   3809060.93        1.80854  (10031906)              465931.80
3809060.93        1.77078  (10031906)
        465987.78   3809060.93        1.73383  (10030307)              466043.76
3809060.93        1.69830  (10030307)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                    INCLUDING SOURCE(S):   L0006139   , L0006140 , L0006141   , L0006142   , L0006143   ,
                L0006144   , L0006145   , L0006146   , L0006147   , L0006148 , L0006149   , L0006150   , L0006151   ,
                L0006152   , L0006153   , L0006154   , L0006155   , L0006156 , L0006157   , L0006158   , L0006159   ,
                L0006160   , L0006161   , L0006162   , L0006163   , L0006164 , L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3809127.15 1.65475 (10030307)
466155.72 3809127.15 1.61719 (10030307) 466211.70
3809127.15 1.58486 (10030307)
466267.68 3809127.15 1.54779 (10030307) 466323.66
3809127.15 1.50813 (10030307)
466379.64 3809127.15 1.46610 (10030307) 466435.62
3809127.15 1.42462 (10030307)
466491.60 3809127.15 1.40175 (10021420) 466547.58
3809127.15 1.39201 (10021420)
466603.56 3809127.15 1.38209 (10021420) 466659.54
3809127.15 1.36945 (10021420)
466715.52 3809127.15 1.35715 (10021420) 466771.50
3809127.15 1.34380 (10021420)
466827.48 3809127.15 1.32920 (10021420) 466883.46
3809127.15 1.31561 (10021420)
465763.86 3809193.37 1.85017 (10031906) 465819.84
3809193.37 1.82918 (10031906)
465875.82 3809193.37 1.80236 (10031906) 465931.80
3809193.37 1.77175 (10031906)
465987.78 3809193.37 1.73408 (10031906) 466043.76
3809193.37 1.68778 (10031906)
466099.74 3809193.37 1.65451 (10031906) 466155.72
3809193.37 1.61711 (10031906)
466211.70 3809193.37 1.58689 (10030307) 466267.68
3809193.37 1.55634 (10030307)
466323.66 3809193.37 1.52276 (10030307) 466379.64
3809193.37 1.48733 (10030307)
466435.62 3809193.37 1.44891 (10030307) 466491.60
3809193.37 1.41053 (10030307)
466547.58 3809193.37 1.37145 (10030307) 466603.56
3809193.37 1.34056 (10021420)
466659.54 3809193.37 1.33163 (10021420) 466715.52
3809193.37 1.32350 (10021420)
466771.50 3809193.37 1.31292 (10021420) 466827.48
3809193.37 1.30275 (10021420)
466883.46 3809193.37 1.29116 (10021420) 465763.86
3809259.59 1.85527 (10012420)
465819.84 3809259.59 1.79568 (10012420) 465875.82
3809259.59 1.77047 (10031906)
465931.80 3809259.59 1.74692 (10031906) 465987.78
3809259.59 1.71491 (10031906)
466043.76 3809259.59 1.68106 (10031906) 466099.74
3809259.59 1.64763 (10031906)
466155.72 3809259.59 1.62004 (10031906) 466211.70
3809259.59 1.59047 (10031906)
466267.68 3809259.59 1.55906 (10031906) 466323.66
3809259.59 1.52720 (10030307)
466379.64 3809259.59 1.49605 (10030307) 466435.62
3809259.59 1.46385 (10030307)
466491.60 3809259.59 1.42889 (10030307) 466547.58

3809259.59   1.39503 (10030307)
        466603.56   3809259.59   1.35841 (10030307)   466659.54
3809259.59   1.32174 (09021907)
        466715.52   3809259.59   1.29106 (09021907)   466771.50
3809259.59   1.27446 (10021420)
        466827.48   3809259.59   1.26756 (10021420)   466883.46
3809259.59   1.25940 (10021420)
        464503.41   3807141.91   3.67288 (10020118)   464523.41
3807141.91   3.61082 (10020118)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                  INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        464543.41   3807141.91   3.55447 (10020118)   464563.41
3807141.91   3.50910 (10020118)
        464583.41   3807141.91   3.43643 (10020118)   464603.41
3807141.91   3.36089 (10020118)
        464623.41   3807141.91   3.27260 (10020118)   464643.41
3807141.91   3.19225 (10020118)
        464663.41   3807141.91   3.15100 (09010519)   464683.41
3807141.91   3.11415 (09010519)
        464703.41   3807141.91   3.07341 (09010519)   464723.41
3807141.91   3.03713 (09010519)
        464743.41   3807141.91   3.00323 (09010519)   464763.41
3807141.91   2.96905 (09010519)

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        464783.41   3807141.91        2.93636  (09010519)              464803.41
3807141.91        2.90402  (09010519)
        464823.41   3807141.91        2.86847  (09010519)              464843.41
3807141.91        2.83678  (09010519)
        464863.41   3807141.91        2.80716  (09010519)              464883.41
3807141.91        2.77720  (09010519)
        464903.41   3807141.91        2.74553  (09010519)              464923.41
3807141.91        2.71410  (09010519)
        464503.41   3807161.91        3.69098  (10020118)              464523.41
3807161.91        3.62339  (10020118)
        464543.41   3807161.91        3.56453  (10020118)              464563.41
3807161.91        3.51904  (10020118)
        464583.41   3807161.91        3.43919  (10020118)              464603.41
3807161.91        3.31706  (10020118)
        464623.41   3807161.91        3.23701  (09010519)              464643.41
3807161.91        3.19759  (09010519)
        464663.41   3807161.91        3.16356  (09010519)              464683.41
3807161.91        3.12189  (09010519)
        464703.41   3807161.91        3.08532  (09010519)              464723.41
3807161.91        3.05018  (09010519)
        464743.41   3807161.91        3.01516  (09010519)              464763.41
3807161.91        2.97637  (09010519)
        464783.41   3807161.91        2.94225  (09010519)              464803.41
3807161.91        2.91036  (09010519)
        464823.41   3807161.91        2.87851  (09010519)              464843.41
3807161.91        2.84786  (09010519)
        464863.41   3807161.91        2.81724  (09010519)              464883.41
3807161.91        2.78319  (09010519)
        464903.41   3807161.91        2.75263  (09010519)              464923.41
3807161.91        2.72337  (09010519)
        464503.41   3807181.91        3.69725  (10020118)              464523.41
3807181.91        3.63734  (10020118)
        464543.41   3807181.91        3.57475  (10020118)              464563.41
3807181.91        3.49276  (10020118)
        464583.41   3807181.91        3.42362  (10020118)              464603.41
3807181.91        3.30433  (10020118)
        464623.41   3807181.91        3.25631  (09010519)              464643.41
3807181.91        3.21734  (09010519)
        464663.41   3807181.91        3.17632  (09010519)              464683.41
3807181.91        3.13368  (09010519)
        464703.41   3807181.91        3.09766  (09010519)              464723.41
3807181.91        3.06009  (09010519)
        464743.41   3807181.91        3.02244  (09010519)              464763.41
3807181.91        2.98585  (09010519)
        464783.41   3807181.91        2.95219  (09010519)              464803.41
3807181.91        2.91963  (09010519)
        464823.41   3807181.91        2.88515  (09010519)              464843.41
3807181.91        2.85349  (09010519)
        464863.41   3807181.91        2.82309  (09010519)              464883.41
3807181.91        2.79101  (09010519)
```

3807201.91 2.79734 (09010519)
464903.41 3807201.91 2.76534 (09010519) 464923.41
3807201.91 2.73315 (09010519)
464503.41 3807221.91 3.69384 (10020118) 464523.41
3807221.91 3.64612 (10020118)
464543.41 3807221.91 3.57248 (10020118) 464563.41
3807221.91 3.45139 (10020118)
464583.41 3807221.91 3.35909 (09010519) 464603.41
3807221.91 3.31661 (09010519)
464623.41 3807221.91 3.28112 (09010519) 464643.41
3807221.91 3.23699 (09010519)
464663.41 3807221.91 3.19573 (09010519) 464683.41
3807221.91 3.15631 (09010519)
464703.41 3807221.91 3.11370 (09010519) 464723.41
3807221.91 3.07543 (09010519)
464743.41 3807221.91 3.03984 (09010519) 464763.41
3807221.91 3.00571 (09010519)
464783.41 3807221.91 2.96866 (09010519) 464803.41
3807221.91 2.93152 (09010519)
464823.41 3807221.91 2.89891 (09010519) 464843.41
3807221.91 2.86400 (09010519)
464863.41 3807221.91 2.82939 (09010519) 464883.41
3807221.91 2.79970 (09010519)
464903.41 3807221.91 2.76999 (09010519) 464923.41
3807221.91 2.74002 (09010519)
464503.41 3807241.91 3.70657 (10020118) 464523.41
3807241.91 3.63076 (10020118)
464543.41 3807241.91 3.55120 (10020118) 464563.41
3807241.91 3.44495 (10020118)
464583.41 3807241.91 3.37031 (09010519) 464603.41
3807241.91 3.33509 (09010519)
464623.41 3807241.91 3.29270 (09010519) 464643.41
3807241.91 3.24732 (09010519)
464663.41 3807241.91 3.20349 (09010519) 464683.41
3807241.91 3.16199 (09010519)
464703.41 3807241.91 3.12172 (09010519) 464723.41
3807241.91 3.08463 (09010519)
464743.41 3807241.91 3.04879 (09010519) 464763.41
3807241.91 3.01097 (09010519)
464783.41 3807241.91 2.97421 (09010519) 464803.41
3807241.91 2.93838 (09010519)
464823.41 3807241.91 2.90307 (09010519) 464843.41
3807241.91 2.86872 (09010519)
464863.41 3807241.91 2.83575 (09010519) 464883.41
3807241.91 2.80578 (09010519)
464903.41 3807241.91 2.77432 (09010519) 464923.41
3807241.91 2.74265 (09010519)
464503.41 3807261.91 3.71933 (10020118) 464523.41
3807261.91 3.60671 (10020118)
464543.41 3807261.91 3.52198 (10020118) 464563.41

3807261.91   3.43696 (10020118)
        464583.41   3807261.91   3.38159 (09010519)   464603.41
3807261.91   3.34540 (09010519)
        464623.41   3807261.91   3.30350 (09010519)   464643.41
3807261.91   3.25744 (09010519)
        464663.41   3807261.91   3.21146 (09010519)   464683.41
3807261.91   3.16743 (09010519)
        464703.41   3807261.91   3.13014 (09010519)   464723.41
3807261.91   3.09280 (09010519)
        464743.41   3807261.91   3.05524 (09010519)   464763.41
3807261.91   3.01537 (09010519)
        464783.41   3807261.91   2.97891 (09010519)   464803.41
3807261.91   2.94393 (09010519)
        464823.41   3807261.91   2.90665 (09010519)   464843.41
3807261.91   2.87260 (09010519)
        464863.41   3807261.91   2.84073 (09010519)   464883.41
3807261.91   2.81048 (09010519)
        464903.41   3807261.91   2.77692 (09010519)   464923.41
3807261.91   2.74318 (09010519)
        464503.41   3807281.91   3.73270 (10020118)   464523.41
3807281.91   3.60798 (10020118)
        464543.41   3807281.91   3.51725 (10020118)   464563.41
3807281.91   3.43133 (09010519)
        464583.41   3807281.91   3.39195 (09010519)   464603.41
3807281.91   3.35452 (09010519)
        464623.41   3807281.91   3.30731 (09010519)   464643.41
3807281.91   3.26554 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                    INCLUDING SOURCE(S):   L0006139   , L0006140 , L0006141   , L0006142   , L0006143   ,
                L0006144   , L0006145   , L0006146   , L0006147   , L0006148 , L0006149   , L0006150   , L0006151   ,
                L0006152   , L0006153   , L0006154   , L0006155   , L0006156 , L0006157   , L0006158   , L0006159   ,
                L0006160   , L0006161   , L0006162   , L0006163   , L0006164 , L0006165   , L0006166   , . . .   ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464663.41	3807281.91	3.22078	(09010519)	464683.41	3807281.91	3.17640	(09010519)
464703.41	3807281.91	3.13871	(09010519)	464723.41	3807281.91	3.09801	(09010519)
464743.41	3807281.91	3.05729	(09010519)	464763.41	3807281.91	3.02144	(09010519)
464783.41	3807281.91	2.98322	(09010519)	464803.41	3807281.91	2.94520	(09010519)
464823.41	3807281.91	2.91180	(09010519)	464843.41	3807281.91	2.87606	(09010519)
464863.41	3807281.91	2.84063	(09010519)	464883.41	3807281.91	2.81022	(09010519)
464903.41	3807281.91	2.77641	(09010519)	464923.41	3807281.91	2.74241	(09010519)
464503.41	3807301.91	3.67187	(10020118)	464523.41	3807301.91	3.57463	(10020118)
464543.41	3807301.91	3.49055	(09010519)	464563.41	3807301.91	3.44586	(09010519)
464583.41	3807301.91	3.40244	(09010519)	464603.41	3807301.91	3.36344	(09010519)
464623.41	3807301.91	3.31523	(09010519)	464643.41	3807301.91	3.27400	(09010519)
464663.41	3807301.91	3.22919	(09010519)	464683.41	3807301.91	3.18446	(09010519)
464703.41	3807301.91	3.14637	(09010519)	464723.41	3807301.91	3.10474	(09010519)
464743.41	3807301.91	3.06250	(09010519)	464763.41	3807301.91	3.02379	(09010519)
464783.41	3807301.91	2.98616	(09010519)	464803.41	3807301.91	2.95006	(09010519)
464823.41	3807301.91	2.91718	(09010519)	464843.41	3807301.91	2.88086	(09010519)
464863.41	3807301.91	2.84385	(09010519)	464883.41	3807301.91	2.80999	(09010519)
464903.41	3807301.91	2.77701	(09010519)	464923.41	3807301.91	2.74534	(09010519)
464503.41	3807321.91	3.62758	(10020118)	464523.41	3807321.91	3.56418	(10020118)
464543.41	3807321.91	3.50006	(09010519)	464563.41	3807321.91	3.46402	(09010519)
464583.41	3807321.91	3.41873	(09010519)	464603.41	3807321.91	3.37207	(09010519)
464623.41	3807321.91	3.32349	(09010519)	464643.41	3807321.91	3.28183	(09010519)

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        464663.41   3807321.91        3.23665  (09010519)               464683.41
3807321.91        3.19138  (09010519)
        464703.41   3807321.91        3.15162  (09010519)               464723.41
3807321.91        3.11005  (09010519)
        464743.41   3807321.91        3.06809  (09010519)               464763.41
3807321.91        3.02590  (09010519)
        464783.41   3807321.91        2.98906  (09010519)               464803.41
3807321.91        2.95494  (09010519)
        464823.41   3807321.91        2.92052  (09010519)               464843.41
3807321.91        2.88344  (09010519)
        464863.41   3807321.91        2.84587  (09010519)               464883.41
3807321.91        2.81008  (09010519)
        464903.41   3807321.91        2.77821  (09010519)               464923.41
3807321.91        2.74841  (09010519)
        464503.41   3807341.91        3.61975  (10020118)               464523.41
3807341.91        3.55377  (10020118)
        464543.41   3807341.91        3.50805  (09010519)               464563.41
3807341.91        3.47241  (09010519)
        464583.41   3807341.91        3.42665  (09010519)               464603.41
3807341.91        3.37971  (09010519)
        464623.41   3807341.91        3.33077  (09010519)               464643.41
3807341.91        3.28868  (09010519)
        464663.41   3807341.91        3.24315  (09010519)               464683.41
3807341.91        3.19674  (09010519)
        464703.41   3807341.91        3.15211  (09010519)               464723.41
3807341.91        3.11184  (09010519)
        464743.41   3807341.91        3.07320  (09010519)               464763.41
3807341.91        3.03071  (09010519)
        464783.41   3807341.91        2.99352  (09010519)               464803.41
3807341.91        2.95829  (09010519)
        464823.41   3807341.91        2.91936  (09010519)               464843.41
3807341.91        2.88079  (09010519)
        464863.41   3807341.91        2.84358  (09010519)               464883.41
3807341.91        2.81160  (09010519)
        464903.41   3807341.91        2.78080  (09010519)               464923.41
3807341.91        2.74998  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 642
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK3I1 ***
                                  INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                 L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
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L0006152 , L0006153 , L0006154 , L0006155 , L0006156
, L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164
, L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464503.41	3807361.91	3.60945	(09010519)	464523.41	3807361.91	3.56425	(09010519)
464543.41	3807361.91	3.51762	(09010519)	464563.41	3807361.91	3.47976	(09010519)
464583.41	3807361.91	3.43354	(09010519)	464603.41	3807361.91	3.38632	(09010519)
464623.41	3807361.91	3.33641	(09010519)	464643.41	3807361.91	3.29039	(09010519)
464663.41	3807361.91	3.24573	(09010519)	464683.41	3807361.91	3.20179	(09010519)
464703.41	3807361.91	3.15594	(09010519)	464723.41	3807361.91	3.11323	(09010519)
464743.41	3807361.91	3.07272	(09010519)	464763.41	3807361.91	3.03334	(09010519)
464783.41	3807361.91	2.99467	(09010519)	464803.41	3807361.91	2.95621	(09010519)
464823.41	3807361.91	2.91622	(09010519)	464843.41	3807361.91	2.87926	(09010519)
464863.41	3807361.91	2.84469	(09010519)	464883.41	3807361.91	2.81323	(09010519)
464903.41	3807361.91	2.78024	(09010519)	464923.41	3807361.91	2.74703	(09010519)
464503.41	3807381.91	3.62231	(09010519)	464523.41	3807381.91	3.57236	(09010519)
464543.41	3807381.91	3.53395	(09010519)	464563.41	3807381.91	3.48582	(09010519)
464583.41	3807381.91	3.43788	(09010519)	464603.41	3807381.91	3.39076	(09010519)
464623.41	3807381.91	3.34111	(09010519)	464643.41	3807381.91	3.29147	(09010519)
464663.41	3807381.91	3.24669	(09010519)	464683.41	3807381.91	3.20411	(09010519)
464703.41	3807381.91	3.15933	(09010519)	464723.41	3807381.91	3.11460	(09010519)
464743.41	3807381.91	3.07149	(09010519)	464763.41			

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3807381.91        3.03368  (09010519)
        464783.41   3807381.91        2.99403  (09010519)                464803.41
3807381.91        2.95393  (09010519)
        464823.41   3807381.91        2.91354  (09010519)                464843.41
3807381.91        2.87831  (09010519)
        464863.41   3807381.91        2.84570  (09010519)                464883.41
3807381.91        2.81273  (09010519)
        464903.41   3807381.91        2.77793  (09010519)                464923.41
3807381.91        2.74339  (09010519)
        464503.41   3807401.91        3.63113  (09010519)                464523.41
3807401.91        3.57921  (09010519)
        464543.41   3807401.91        3.53955  (09010519)                464563.41
3807401.91        3.49018  (09010519)
        464583.41   3807401.91        3.43972  (09010519)                464603.41
3807401.91        3.39149  (09010519)
        464623.41   3807401.91        3.34521  (09010519)                464643.41
3807401.91        3.29525  (09010519)
        464663.41   3807401.91        3.24708  (09010519)                464683.41
3807401.91        3.20127  (09010519)
        464703.41   3807401.91        3.16055  (09010519)                464723.41
3807401.91        3.11698  (09010519)
        464743.41   3807401.91        3.07276  (09010519)                464763.41
3807401.91        3.03021  (09010519)
        464783.41   3807401.91        2.99184  (09010519)                464803.41
3807401.91        2.95499  (09010519)
        464823.41   3807401.91        2.91431  (09010519)                464843.41
3807401.91        2.87875  (09010519)
        464863.41   3807401.91        2.84506  (09010519)                464883.41
3807401.91        2.80769  (09010519)
        464903.41   3807401.91        2.77409  (09010519)                464923.41
3807401.91        2.74189  (09010519)
        464503.41   3807421.91        3.64571  (09010519)                464523.41
3807421.91        3.59415  (09010519)
        464543.41   3807421.91        3.54156  (09010519)                464563.41
3807421.91        3.49187  (09010519)
        464583.41   3807421.91        3.44121  (09010519)                464603.41
3807421.91        3.39170  (09010519)
        464623.41   3807421.91        3.34347  (09010519)                464643.41
3807421.91        3.29668  (09010519)
        464663.41   3807421.91        3.24877  (09010519)                464683.41
3807421.91        3.20142  (09010519)
        464703.41   3807421.91        3.15778  (09010519)                464723.41
3807421.91        3.11538  (09010519)
        464743.41   3807421.91        3.07359  (09010519)                464763.41
3807421.91        3.02984  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464783.41	3807421.91	2.98910	(09010519)	464803.41	3807421.91	2.95043	(09010519)
464823.41	3807421.91	2.91281	(09010519)	464843.41	3807421.91	2.87581	(09010519)
464863.41	3807421.91	2.83962	(09010519)	464883.41	3807421.91	2.80437	(09010519)
464903.41	3807421.91	2.76969	(09010519)	464923.41	3807421.91	2.73571	(09010519)
464503.41	3807441.91	3.64965	(09010519)	464523.41	3807441.91	3.59629	(09010519)
464543.41	3807441.91	3.54416	(09010519)	464563.41	3807441.91	3.49026	(09010519)
464583.41	3807441.91	3.44123	(09010519)	464603.41	3807441.91	3.39064	(09010519)
464623.41	3807441.91	3.34084	(09010519)	464643.41	3807441.91	3.29563	(09010519)
464663.41	3807441.91	3.24878	(09010519)	464683.41	3807441.91	3.20170	(09010519)
464703.41	3807441.91	3.15453	(09010519)	464723.41	3807441.91	3.11202	(09010519)
464743.41	3807441.91	3.07158	(09010519)	464763.41	3807441.91	3.02889	(09010519)
464783.41	3807441.91	2.98618	(09010519)	464803.41	3807441.91	2.94517	(09010519)
464823.41	3807441.91	2.91032	(09010519)	464843.41	3807441.91	2.87199	(09010519)

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        464863.41   3807441.91        2.83356  (09010519)              464883.41
3807441.91        2.80099  (09010519)
        464903.41   3807441.91        2.76502  (09010519)              464923.41
3807441.91        2.72890  (09010519)
        464503.41   3807461.91        3.65169  (09010519)              464523.41
3807461.91        3.59593  (09010519)
        464543.41   3807461.91        3.54242  (09010519)              464563.41
3807461.91        3.49120  (09010519)
        464583.41   3807461.91        3.43711  (09010519)              464603.41
3807461.91        3.38784  (09010519)
        464623.41   3807461.91        3.34065  (09010519)              464643.41
3807461.91        3.29054  (09010519)
        464663.41   3807461.91        3.24498  (09010519)              464683.41
3807461.91        3.20122  (09010519)
        464703.41   3807461.91        3.15374  (09010519)              464723.41
3807461.91        3.10792  (09010519)
        464743.41   3807461.91        3.06433  (09010519)              464763.41
3807461.91        3.02563  (09010519)
        464783.41   3807461.91        2.98406  (09010519)              464803.41
3807461.91        2.94275  (09010519)
        464823.41   3807461.91        2.90754  (09010519)              464843.41
3807461.91        2.86891  (09010519)
        464863.41   3807461.91        2.83019  (09010519)              464883.41
3807461.91        2.79728  (09010519)
        464903.41   3807461.91        2.76104  (09010519)              464923.41
3807461.91        2.72465  (09010519)
        464503.41   3807481.91        3.66679  (09120320)              464523.41
3807481.91        3.60207  (09120320)
        464543.41   3807481.91        3.54022  (09120320)              464563.41
3807481.91        3.48666  (09010519)
        464583.41   3807481.91        3.43494  (09010519)              464603.41
3807481.91        3.38437  (09010519)
        464623.41   3807481.91        3.33511  (09010519)              464643.41
3807481.91        3.28730  (09010519)
        464663.41   3807481.91        3.24049  (09010519)              464683.41
3807481.91        3.19483  (09010519)
        464703.41   3807481.91        3.15047  (09010519)              464723.41
3807481.91        3.10492  (09010519)
        464743.41   3807481.91        3.06041  (09010519)              464763.41
3807481.91        3.02223  (09010519)
        464783.41   3807481.91        2.98063  (09010519)              464803.41
3807481.91        2.93903  (09010519)
        464823.41   3807481.91        2.90345  (09010519)              464843.41
3807481.91        2.86453  (09010519)
        464863.41   3807481.91        2.82498  (09010519)              464883.41
3807481.91        2.78861  (09010519)
        464903.41   3807481.91        2.75319  (09010519)              464923.41
3807481.91        2.71859  (09010519)
        464503.41   3807501.91        3.69231  (09120320)              464523.41
3807501.91        3.62573  (09120320)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                    INCLUDING SOURCE(S):   L0006139   , L0006140 , L0006141   , L0006142   , L0006143   ,
                  L0006144   , L0006145   , L0006146   , L0006147   , L0006148 , L0006149   , L0006150   , L0006151   ,
                  L0006152   , L0006153   , L0006154   , L0006155   , L0006156 , L0006157   , L0006158   , L0006159   ,
                  L0006160   , L0006161   , L0006162   , L0006163   , L0006164 , L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464623.41   3807501.91   3.33589 (09120320)   464643.41   3807501.91   3.28635 (09010419)
        464663.41   3807501.91   3.23741 (09010419)   464683.41   3807501.91   3.18905 (09010419)
        464703.41   3807501.91   3.14601 (09010419)   464723.41   3807501.91   3.10054 (09010419)
        464743.41   3807501.91   3.05612 (09010519)   464763.41   3807501.91   3.01632 (09010519)
        464783.41   3807501.91   2.97480 (09010519)   464803.41   3807501.91   2.93374 (09010519)
        464823.41   3807501.91   2.89663 (09010519)   464843.41   3807501.91   2.85779 (09010519)
        464863.41   3807501.91   2.81852 (09010519)   464883.41   3807501.91   2.77899 (09010519)
        464903.41   3807501.91   2.74539 (10032206)   464923.41   3807501.91   2.71508 (10032206)
        464503.41   3807521.91   3.70688 (09120320)   464523.41

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3807521.91        3.64040  (09120320)
        464543.41   3807521.91        3.58150  (09120320)                464563.41
3807521.91        3.52573  (09120320)
        464583.41   3807521.91        3.46553  (09120320)                464603.41
3807521.91        3.41151  (09120320)
        464623.41   3807521.91        3.35989  (09120320)                464643.41
3807521.91        3.30397  (09120320)
        464663.41   3807521.91        3.25378  (09120320)                464683.41
3807521.91        3.20577  (09120320)
        464703.41   3807521.91        3.15641  (09010419)                464723.41
3807521.91        3.11309  (09010419)
        464743.41   3807521.91        3.07176  (09010419)                464763.41
3807521.91        3.02646  (09010419)
        464783.41   3807521.91        2.98611  (09010419)                464803.41
3807521.91        2.94759  (09010419)
        464823.41   3807521.91        2.90520  (09010419)                464843.41
3807521.91        2.86748  (09010419)
        464863.41   3807521.91        2.83131  (09010419)                464883.41
3807521.91        2.79053  (09010419)
        464903.41   3807521.91        2.75547  (09010419)                464923.41
3807521.91        2.72225  (09010419)
        464503.41   3807541.91        3.72031  (09120320)                464523.41
3807541.91        3.65931  (09120320)
        464543.41   3807541.91        3.59967  (09120320)                464563.41
3807541.91        3.54162  (09120320)
        464583.41   3807541.91        3.48536  (09120320)                464603.41
3807541.91        3.43025  (09120320)
        464623.41   3807541.91        3.37651  (09120320)                464643.41
3807541.91        3.32435  (09120320)
        464663.41   3807541.91        3.27316  (09120320)                464683.41
3807541.91        3.22317  (09120320)
        464703.41   3807541.91        3.17457  (09120320)                464723.41
3807541.91        3.12680  (09120320)
        464743.41   3807541.91        3.08158  (09010419)                464763.41
3807541.91        3.03959  (09010419)
        464783.41   3807541.91        3.00118  (09010419)                464803.41
3807541.91        2.96348  (09010419)
        464823.41   3807541.91        2.92018  (09010419)                464843.41
3807541.91        2.88021  (09010419)
        464863.41   3807541.91        2.84246  (09010419)                464883.41
3807541.91        2.80572  (09010419)
        464903.41   3807541.91        2.76951  (09010419)                464923.41
3807541.91        2.73404  (09010419)
        464503.41   3807561.91        3.73404  (09120320)                464523.41
3807561.91        3.67621  (09120320)
        464543.41   3807561.91        3.61570  (09120320)                464563.41
3807561.91        3.55607  (09120320)
        464583.41   3807561.91        3.50284  (09120320)                464603.41
3807561.91        3.44693  (09120320)
        464623.41   3807561.91        3.39173  (09120320)                464643.41
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3807561.91   3.34247 (09120320)
        464663.41   3807561.91   3.29055 (09120320)   464683.41
3807561.91   3.23920 (09120320)
        464703.41   3807561.91   3.19338 (09120320)   464723.41
3807561.91   3.14495 (09120320)
        464743.41   3807561.91   3.09721 (09120320)   464763.41
3807561.91   3.05600 (09120320)
        464783.41   3807561.91   3.01453 (09010419)   464803.41
3807561.91   2.97593 (09010419)
        464823.41   3807561.91   2.93439 (09010419)   464843.41
3807561.91   2.89263 (09010419)
        464863.41   3807561.91   2.85268 (09010419)   464883.41
3807561.91   2.81970 (09010419)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                    INCLUDING SOURCE(S):   L0006139   , L0006140 , L0006141   , L0006142   , L0006143   ,
                L0006144   , L0006145   , L0006146   , L0006147   , L0006148 , L0006149   , L0006150   , L0006151   ,
                L0006152   , L0006153   , L0006154   , L0006155   , L0006156 , L0006157   , L0006158   , L0006159   ,
                L0006160   , L0006161   , L0006162   , L0006163   , L0006164 , L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464903.41   3807561.91   2.78246 (09010419)   464923.41
3807561.91   2.74469 (09010419)
        464503.41   3807581.91   3.75134 (09120320)   464523.41
3807581.91   3.68673 (09120320)
        464543.41   3807581.91   3.62894 (09120320)   464563.41
3807581.91   3.57390 (09120320)
        464583.41   3807581.91   3.51426 (09120320)   464603.41
3807581.91   3.46096 (09120320)

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        464623.41   3807581.91        3.41013  (09120320)              464643.41
3807581.91        3.35481  (09120320)
        464663.41   3807581.91        3.30540  (09120320)              464683.41
3807581.91        3.25821  (09120320)
        464703.41   3807581.91        3.20667  (09120320)              464723.41
3807581.91        3.16063  (09120320)
        464743.41   3807581.91        3.11790  (09120320)              464763.41
3807581.91        3.07690  (09120320)
        464783.41   3807581.91        3.03195  (09120320)              464803.41
3807581.91        2.98675  (09120320)
        464823.41   3807581.91        2.94722  (09120320)              464843.41
3807581.91        2.90601  (09010419)
        464863.41   3807581.91        2.86621  (09010419)              464883.41
3807581.91        2.83338  (09010419)
        464903.41   3807581.91        2.79629  (09010419)              464923.41
3807581.91        2.75781  (09010419)
        464503.41   3807601.91        3.75911  (09120320)              464523.41
3807601.91        3.69351  (09120320)
        464543.41   3807601.91        3.63659  (09120320)              464563.41
3807601.91        3.58376  (09120320)
        464583.41   3807601.91        3.52827  (09120320)              464603.41
3807601.91        3.47392  (09120320)
        464623.41   3807601.91        3.42096  (09120320)              464643.41
3807601.91        3.36959  (09120320)
        464663.41   3807601.91        3.31920  (09120320)              464683.41
3807601.91        3.27001  (09120320)
        464703.41   3807601.91        3.22224  (09120320)              464723.41
3807601.91        3.17844  (09120320)
        464743.41   3807601.91        3.13608  (09120320)              464763.41
3807601.91        3.09096  (09120320)
        464783.41   3807601.91        3.04706  (09120320)              464803.41
3807601.91        3.00420  (09120320)
        464823.41   3807601.91        2.96187  (09120320)              464843.41
3807601.91        2.92063  (09120320)
        464863.41   3807601.91        2.88033  (09120320)              464883.41
3807601.91        2.84113  (09010419)
        464903.41   3807601.91        2.80558  (09010419)              464923.41
3807601.91        2.77033  (09010419)
        464503.41   3807621.91        3.76322  (09120320)              464523.41
3807621.91        3.70003  (09120320)
        464543.41   3807621.91        3.64414  (09120320)              464563.41
3807621.91        3.59218  (09120320)
        464583.41   3807621.91        3.53988  (09120320)              464603.41
3807621.91        3.48480  (09120320)
        464623.41   3807621.91        3.43041  (09120320)              464643.41
3807621.91        3.38209  (09120320)
        464663.41   3807621.91        3.33101  (09120320)              464683.41
3807621.91        3.28076  (09120320)
        464703.41   3807621.91        3.23763  (09120320)              464723.41
3807621.91        3.19423  (09120320)
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        464743.41   3807621.91        3.15035  (09120320)               464763.41
3807621.91        3.10324  (09120320)
        464783.41   3807621.91        3.06042  (09120320)               464803.41
3807621.91        3.01935  (09120320)
        464823.41   3807621.91        2.97515  (09120320)               464843.41
3807621.91        2.93495  (09120320)
        464863.41   3807621.91        2.89635  (09120320)               464883.41
3807621.91        2.85472  (09120320)
        464903.41   3807621.91        2.81684  (09120320)               464923.41
3807621.91        2.78043  (09120320)
        464503.41   3807641.91        3.77663  (10021420)               464523.41
3807641.91        3.71025  (09120320)
        464543.41   3807641.91        3.65703  (09120320)               464563.41
3807641.91        3.60411  (09120320)
        464583.41   3807641.91        3.54533  (09120320)               464603.41
3807641.91        3.49302  (09120320)
        464623.41   3807641.91        3.44319  (09120320)               464643.41
3807641.91        3.38872  (09120320)
        464663.41   3807641.91        3.34028  (09120320)               464683.41
3807641.91        3.29548  (09120320)
        464703.41   3807641.91        3.25260  (09120320)               464723.41
3807641.91        3.20552  (09120320)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 646
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK3I1 ***
                                  INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                  L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                  L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                  L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464743.41   3807641.91        3.15821  (09120320)                464763.41
3807641.91        3.11709  (09120320)
        464783.41   3807641.91        3.07269  (09120320)                464803.41
3807641.91        3.02837  (09120320)
        464823.41   3807641.91        2.98987  (09120320)                464843.41
3807641.91        2.94818  (09120320)
        464863.41   3807641.91        2.90651  (09120320)                464883.41
3807641.91        2.87031  (09120320)
        464903.41   3807641.91        2.83102  (09120320)                464923.41
3807641.91        2.79171  (09120320)
        464503.41   3807661.91        3.79829  (10021420)                464523.41
3807661.91        3.73362  (10021420)
        464543.41   3807661.91        3.67028  (10021420)                464563.41
3807661.91        3.60793  (09120320)
        464583.41   3807661.91        3.55350  (09120320)                464603.41
3807661.91        3.50020  (09120320)
        464623.41   3807661.91        3.44827  (09120320)                464643.41
3807661.91        3.39794  (09120320)
        464663.41   3807661.91        3.34857  (09120320)                464683.41
3807661.91        3.30109  (09120320)
        464703.41   3807661.91        3.25868  (09120320)                464723.41
3807661.91        3.21439  (09120320)
        464743.41   3807661.91        3.16965  (09120320)                464763.41
3807661.91        3.12553  (09120320)
        464783.41   3807661.91        3.08262  (09120320)                464803.41
3807661.91        3.04076  (09120320)
        464823.41   3807661.91        2.99941  (09120320)                464843.41
3807661.91        2.95916  (09120320)
        464863.41   3807661.91        2.91983  (09120320)                464883.41
3807661.91        2.88094  (09120320)
        464903.41   3807661.91        2.84303  (09120320)                464923.41
3807661.91        2.80595  (09120320)
        464503.41   3807681.91        3.81676  (10021420)                464523.41
3807681.91        3.75295  (10021420)
        464543.41   3807681.91        3.69047  (10021420)                464563.41
3807681.91        3.62925  (10021420)
        464583.41   3807681.91        3.56923  (10021420)                464603.41
3807681.91        3.50534  (09120320)
        464623.41   3807681.91        3.45204  (09120320)                464643.41
3807681.91        3.40490  (09120320)
        464663.41   3807681.91        3.35490  (09120320)                464683.41
3807681.91        3.30543  (09120320)
        464703.41   3807681.91        3.26171  (09120320)                464723.41
3807681.91        3.22004  (09120320)
        464743.41   3807681.91        3.17874  (09120320)                464763.41
3807681.91        3.13263  (09120320)
        464783.41   3807681.91        3.09087  (09120320)                464803.41
3807681.91        3.05088  (09120320)
        464823.41   3807681.91        3.00765  (09120320)                464843.41
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3807681.91        2.96850  (09120320)
        464863.41   3807681.91        2.93096  (09120320)                464883.41
3807681.91        2.89029  (09120320)
        464903.41   3807681.91        2.85344  (09120320)                464923.41
3807681.91        2.81807  (09120320)
        464523.41   3807701.91        3.76965  (10021420)                464543.41
3807701.91        3.70806  (10021420)
        464563.41   3807701.91        3.64771  (10021420)                464583.41
3807701.91        3.58855  (10021420)
        464603.41   3807701.91        3.52942  (10021420)                464623.41
3807701.91        3.46991  (10021420)
        464643.41   3807701.91        3.40598  (09120320)                464663.41
3807701.91        3.35875  (09120320)
        464683.41   3807701.91        3.31378  (09120320)                464703.41
3807701.91        3.26418  (09120320)
        464723.41   3807701.91        3.22124  (09120320)                464743.41
3807701.91        3.18138  (09120320)
        464763.41   3807701.91        3.14143  (09120320)                464783.41
3807701.91        3.09811  (09120320)
        464803.41   3807701.91        3.05485  (09120320)                464823.41
3807701.91        3.01749  (09120320)
        464843.41   3807701.91        2.97685  (09120320)                464863.41
3807701.91        2.93620  (09120320)
        464883.41   3807701.91        2.90112  (09120320)                464903.41
3807701.91        2.86286  (09120320)
        464923.41   3807701.91        2.82454  (09120320)                464543.41
3807721.91        3.72686  (10021420)
        464563.41   3807721.91        3.67214  (10021420)                464583.41
3807721.91        3.61362  (10021420)
        464603.41   3807721.91        3.55623  (10021420)                464623.41
3807721.91        3.49821  (10021420)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 647
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK3I1 ***
                                  INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464643.41	3807721.91	3.43293	(10021420)	464663.41	3807721.91	3.37214	(10021420)
464683.41	3807721.91	3.31478	(09120320)	464703.41	3807721.91	3.26926	(09120320)
464723.41	3807721.91	3.22780	(09120320)	464743.41	3807721.91	3.18779	(09120320)
464763.41	3807721.91	3.14483	(09120320)	464783.41	3807721.91	3.10308	(09120320)
464803.41	3807721.91	3.06237	(09120320)	464823.41	3807721.91	3.02215	(09120320)
464843.41	3807721.91	2.98301	(09120320)	464863.41	3807721.91	2.94480	(09120320)
464883.41	3807721.91	2.90699	(09120320)	464903.41	3807721.91	2.87017	(09120320)
464923.41	3807721.91	2.83417	(09120320)	464943.41	3807721.91	2.79851	(09120320)
464963.41	3807721.91	2.76374	(09120320)	464983.41	3807721.91	2.72971	(09120320)
465003.41	3807721.91	2.69596	(09120320)	465023.41	3807721.91	2.66301	(09120320)
465043.41	3807721.91	2.63074	(09120320)	465063.41	3807721.91	2.59870	(09120320)
465083.41	3807721.91	2.56739	(09120320)	465103.41	3807721.91	2.53729	(09120320)
465123.41	3807721.91	2.51019	(09120320)	465143.41	3807721.91	2.48115	(09120320)
465163.41	3807721.91	2.45207	(09120320)	465183.41	3807721.91	2.42755	(09010419)
465203.41	3807721.91	2.40302	(09010419)	465223.41	3807721.91	2.37790	(09010419)
465243.41	3807721.91	2.35292	(09010419)	465263.41	3807721.91	2.32853	(09010419)
465283.41	3807721.91	2.30510	(09010419)	465303.41	3807721.91	2.28420	(09010419)
465323.41	3807721.91	2.26161	(09010419)	465343.41	3807721.91	2.23895	(09010419)
465363.41	3807721.91	2.21892	(09010419)	465383.41	3807721.91	2.19750	(09010419)
464543.41	3807741.91	3.73704	(10021420)	464563.41	3807741.91	3.69019	(10021420)

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        464583.41   3807741.91        3.63459  (10021420)                464603.41
3807741.91        3.57855  (10021420)
        464623.41   3807741.91        3.52122  (10021420)                464643.41
3807741.91        3.45654  (10021420)
        464663.41   3807741.91        3.39457  (10021420)                464683.41
3807741.91        3.33594  (10021420)
        464703.41   3807741.91        3.28476  (10021420)                464723.41
3807741.91        3.23344  (09120320)
        464743.41   3807741.91        3.19193  (09120320)                464763.41
3807741.91        3.14701  (09120320)
        464783.41   3807741.91        3.10648  (09120320)                464803.41
3807741.91        3.06771  (09120320)
        464823.41   3807741.91        3.02562  (09120320)                464843.41
3807741.91        2.98875  (09120320)
        464863.41   3807741.91        2.95346  (09120320)                464883.41
3807741.91        2.91218  (09120320)
        464903.41   3807741.91        2.87704  (09120320)                464923.41
3807741.91        2.84383  (09120320)
        464943.41   3807741.91        2.80486  (09120320)                464963.41
3807741.91        2.77170  (09120320)
        464983.41   3807741.91        2.74033  (09120320)                465003.41
3807741.91        2.70343  (09120320)
        465023.41   3807741.91        2.67107  (09120320)                465043.41
3807741.91        2.64041  (09120320)
        465063.41   3807741.91        2.60685  (09120320)                465083.41
3807741.91        2.57743  (09120320)
        465103.41   3807741.91        2.55005  (09120320)                465123.41
3807741.91        2.52198  (09120320)
        465143.41   3807741.91        2.49162  (09120320)                465163.41
3807741.91        2.46127  (09120320)
        465183.41   3807741.91        2.43448  (09120320)                465203.41
3807741.91        2.40878  (09120320)
        465223.41   3807741.91        2.38305  (09120320)                465243.41
3807741.91        2.35673  (09010419)
        465263.41   3807741.91        2.33388  (09010419)                465283.41
3807741.91        2.31273  (09010419)
        465303.41   3807741.91        2.29096  (09010419)                465323.41
3807741.91        2.26719  (09010419)
        465343.41   3807741.91        2.24338  (09010419)                465363.41
3807741.91        2.22258  (09010419)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 648
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK3I1 ***
```

INCLUDING SOURCE(S): L0006139 , L0006140
, L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148
, L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156
, L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164
, L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465383.41	3807741.91	2.20269	(09010419)	464543.41	3807761.91	3.72765	(10021420)
464563.41	3807761.91	3.69040	(10021420)	464583.41	3807761.91	3.64364	(10021420)
464603.41	3807761.91	3.59105	(10021420)	464623.41	3807761.91	3.53447	(10021420)
464643.41	3807761.91	3.47053	(10021420)	464663.41	3807761.91	3.41386	(10021420)
464683.41	3807761.91	3.36139	(10021420)	464703.41	3807761.91	3.31081	(10021420)
464723.41	3807761.91	3.25558	(10021420)	464743.41	3807761.91	3.19999	(10021420)
464763.41	3807761.91	3.15107	(09120320)	464783.41	3807761.91	3.10898	(09120320)
464803.41	3807761.91	3.06693	(09120320)	464823.41	3807761.91	3.03084	(09120320)
464843.41	3807761.91	2.99620	(09120320)	464863.41	3807761.91	2.96125	(09120320)
464883.41	3807761.91	2.92031	(09120320)	464903.41	3807761.91	2.88551	(09120320)
464923.41	3807761.91	2.85262	(09120320)	464943.41	3807761.91	2.81399	(09120320)
464963.41	3807761.91	2.78115	(09120320)	464983.41	3807761.91	2.75009	(09120320)
465003.41	3807761.91	2.71352	(09120320)	465023.41	3807761.91	2.67825	(09120320)
465043.41	3807761.91	2.64490	(09120320)	465063.41	3807761.91	2.61630	(09120320)
465083.41	3807761.91	2.58874	(09120320)	465103.41	3807761.91	2.56087	(09120320)
465123.41	3807761.91	2.52869	(09120320)	465143.41			

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3807761.91        2.50026  (09120320)
        465163.41   3807761.91        2.47301  (09120320)                465183.41
3807761.91        2.44230  (09120320)
        465203.41   3807761.91        2.41578  (09120320)                465223.41
3807761.91        2.39108  (09120320)
        465243.41   3807761.91        2.36606  (09120320)                465263.41
3807761.91        2.34188  (09120320)
        465283.41   3807761.91        2.31884  (09010419)                465303.41
3807761.91        2.29351  (09010419)
        465323.41   3807761.91        2.27133  (09010419)                465343.41
3807761.91        2.25012  (09010419)
        465363.41   3807761.91        2.22592  (09010419)                465383.41
3807761.91        2.20527  (09010419)
        464543.41   3807781.91        3.71020  (10021420)                464563.41
3807781.91        3.67695  (10021420)
        464583.41   3807781.91        3.63371  (10021420)                464603.41
3807781.91        3.58709  (10021420)
        464623.41   3807781.91        3.53857  (10021420)                464643.41
3807781.91        3.48682  (10021420)
        464663.41   3807781.91        3.43168  (10021420)                464683.41
3807781.91        3.37668  (10021420)
        464703.41   3807781.91        3.32694  (10021420)                464723.41
3807781.91        3.27502  (10021420)
        464743.41   3807781.91        3.22247  (10021420)                464763.41
3807781.91        3.17043  (10021420)
        464783.41   3807781.91        3.11957  (10021420)                464803.41
3807781.91        3.07070  (09120320)
        464823.41   3807781.91        3.03613  (09120320)                464843.41
3807781.91        2.99927  (09120320)
        464863.41   3807781.91        2.96194  (09120320)                464883.41
3807781.91        2.92561  (09120320)
        464903.41   3807781.91        2.88976  (09120320)                464923.41
3807781.91        2.85461  (09120320)
        464943.41   3807781.91        2.82037  (09120320)                464963.41
3807781.91        2.78654  (09120320)
        464983.41   3807781.91        2.75333  (09120320)                465003.41
3807781.91        2.72094  (09120320)
        465023.41   3807781.91        2.68666  (09120320)                465043.41
3807781.91        2.65300  (09120320)
        465063.41   3807781.91        2.62567  (09120320)                465083.41
3807781.91        2.59628  (09120320)
        465103.41   3807781.91        2.56636  (09120320)                465123.41
3807781.91        2.53712  (09120320)
        465143.41   3807781.91        2.50814  (09120320)                465163.41
3807781.91        2.47961  (09120320)
        465183.41   3807781.91        2.45171  (09120320)                465203.41
3807781.91        2.42627  (09120320)
        465223.41   3807781.91        2.40153  (09120320)                465243.41
3807781.91        2.37449  (09120320)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
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                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                INCLUDING SOURCE(S):   L0006139   , L0006140 , L0006141   , L0006142   , L0006143   ,
                L0006144   , L0006145   , L0006146   , L0006147   , L0006148 , L0006149   , L0006150   , L0006151   ,
                L0006152   , L0006153   , L0006154   , L0006155   , L0006156 , L0006157   , L0006158   , L0006159   ,
                L0006160   , L0006161   , L0006162   , L0006163   , L0006164 , L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465263.41   3807781.91   2.34988 (09120320)   465283.41   3807781.91   2.32618 (09120320)
        465303.41   3807781.91   2.30045 (09120320)   465323.41   3807781.91   2.27498 (09010419)
        465343.41   3807781.91   2.25262 (09010419)   465363.41   3807781.91   2.23076 (09010419)
        465383.41   3807781.91   2.21098 (09010419)   464543.41   3807801.91   3.69013 (10021420)
        464563.41   3807801.91   3.65752 (10021420)   464583.41   3807801.91   3.61868 (10021420)
        464603.41   3807801.91   3.57989 (10021420)   464623.41   3807801.91   3.54081 (10021420)
        464643.41   3807801.91   3.49988 (10021420)   464663.41   3807801.91   3.44696 (10021420)
        464683.41   3807801.91   3.39047 (10021420)   464703.41   3807801.91   3.34158 (10021420)
        464723.41   3807801.91   3.29218 (10021420)   464743.41   3807801.91   3.24203 (10021420)
        464763.41   3807801.91   3.18819 (10021420)   464783.41   3807801.91   3.14006 (10021420)
        464803.41   3807801.91   3.09479 (10021420)   464823.41   3807801.91   3.04875 (10021420)

```
        464843.41   3807801.91        2.99995  (09120320)              464863.41
3807801.91        2.96159  (09120320)
        464883.41   3807801.91        2.92798  (09120320)              464903.41
3807801.91        2.89170  (09120320)
        464923.41   3807801.91        2.85557  (09120320)              464943.41
3807801.91        2.82392  (09120320)
        464963.41   3807801.91        2.78969  (09120320)              464983.41
3807801.91        2.75554  (09120320)
        465003.41   3807801.91        2.72563  (09120320)              465023.41
3807801.91        2.69322  (09120320)
        465043.41   3807801.91        2.66085  (09120320)              465063.41
3807801.91        2.63249  (09120320)
        465083.41   3807801.91        2.60171  (09120320)              465103.41
3807801.91        2.57093  (09120320)
        465123.41   3807801.91        2.54396  (09120320)              465143.41
3807801.91        2.51464  (09120320)
        465163.41   3807801.91        2.48550  (09120320)              465183.41
3807801.91        2.46100  (09120320)
        465203.41   3807801.91        2.43596  (09120320)              465223.41
3807801.91        2.41025  (09120320)
        465243.41   3807801.91        2.38191  (09120320)              465263.41
3807801.91        2.35712  (09120320)
        465283.41   3807801.91        2.33405  (09120320)              465303.41
3807801.91        2.31029  (09120320)
        465323.41   3807801.91        2.28446  (09120320)              465343.41
3807801.91        2.25873  (09120320)
        465363.41   3807801.91        2.23697  (09120320)              465383.41
3807801.91        2.21615  (09010419)
        464543.41   3807821.91        3.67186  (10021420)              464563.41
3807821.91        3.63578  (10021420)
        464583.41   3807821.91        3.60697  (10021420)              464603.41
3807821.91        3.57760  (10021420)
        464623.41   3807821.91        3.54613  (10021420)              464643.41
3807821.91        3.50654  (10021420)
        464663.41   3807821.91        3.45909  (10021420)              464683.41
3807821.91        3.40902  (10021420)
        464703.41   3807821.91        3.36083  (10021420)              464723.41
3807821.91        3.30778  (10021420)
        464743.41   3807821.91        3.25428  (10021420)              464763.41
3807821.91        3.20733  (10021420)
        464783.41   3807821.91        3.16191  (10021420)              464803.41
3807821.91        3.11621  (10021420)
        464823.41   3807821.91        3.06497  (10021420)              464843.41
3807821.91        3.01882  (10021420)
        464863.41   3807821.91        2.97437  (10021420)              464883.41
3807821.91        2.92567  (09120320)
        464903.41   3807821.91        2.89174  (09120320)              464923.41
3807821.91        2.85940  (09120320)
        464943.41   3807821.91        2.82297  (09120320)              464963.41
3807821.91        2.79098  (09120320)
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                  INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                 L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                 L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                 L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
       465143.41   3807821.91   2.51939 (09120320)   465163.41
3807821.91   2.49419 (09120320)
       465183.41   3807821.91   2.47000 (09120320)   465203.41
3807821.91   2.44247 (09120320)
       465223.41   3807821.91   2.41443 (09120320)   465243.41
3807821.91   2.39045 (09120320)
       465263.41   3807821.91   2.36732 (09120320)   465283.41
3807821.91   2.34384 (09120320)
       465303.41   3807821.91   2.31650 (09120320)   465323.41
3807821.91   2.29238 (09120320)
       465343.41   3807821.91   2.27007 (09120320)   465363.41
3807821.91   2.24859 (09120320)
       465383.41   3807821.91   2.22418 (09120320)   464543.41

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3807841.91        3.64018  (10021420)
        464563.41   3807841.91        3.60069  (10021420)                464583.41
3807841.91        3.58260  (10021420)
        464603.41   3807841.91        3.56344  (10021420)                464623.41
3807841.91        3.54001  (10021420)
        464643.41   3807841.91        3.50194  (10021420)                464663.41
3807841.91        3.46054  (10021420)
        464683.41   3807841.91        3.41723  (10021420)                464723.41
3807841.91        3.32039  (10021420)
        464743.41   3807841.91        3.27095  (10021420)                464763.41
3807841.91        3.22597  (10021420)
        464783.41   3807841.91        3.17838  (10021420)                464803.41
3807841.91        3.13021  (10021420)
        464823.41   3807841.91        3.08309  (10021420)                464843.41
3807841.91        3.03646  (10021420)
        464863.41   3807841.91        2.99056  (10021420)                464883.41
3807841.91        2.94561  (10021420)
        464903.41   3807841.91        2.90108  (10021420)                464923.41
3807841.91        2.85733  (09120320)
        464943.41   3807841.91        2.82432  (09120320)                464963.41
3807841.91        2.79170  (09120320)
        464983.41   3807841.91        2.75969  (09120320)                465003.41
3807841.91        2.72848  (09120320)
        465023.41   3807841.91        2.69761  (09120320)                465043.41
3807841.91        2.66728  (09120320)
        465063.41   3807841.91        2.63769  (09120320)                465083.41
3807841.91        2.60839  (09120320)
        465103.41   3807841.91        2.57957  (09120320)                465123.41
3807841.91        2.55142  (09120320)
        465143.41   3807841.91        2.52353  (09120320)                465163.41
3807841.91        2.49655  (09120320)
        465183.41   3807841.91        2.47276  (09120320)                465203.41
3807841.91        2.44730  (09120320)
        465223.41   3807841.91        2.42118  (09120320)                465243.41
3807841.91        2.39517  (09120320)
        465263.41   3807841.91        2.37159  (09120320)                465283.41
3807841.91        2.34893  (09120320)
        465303.41   3807841.91        2.32419  (09120320)                465323.41
3807841.91        2.30167  (09120320)
        465343.41   3807841.91        2.27975  (09120320)                465363.41
3807841.91        2.25567  (09120320)
        465383.41   3807841.91        2.23207  (09120320)                464503.41
3807861.91        3.73035  (10021420)
        464523.41   3807861.91        3.66639  (10021420)                464543.41
3807861.91        3.61287  (10021420)
        464563.41   3807861.91        3.56998  (10021420)                464583.41
3807861.91        3.55228  (10021420)
        464603.41   3807861.91        3.53868  (10021420)                464723.41
3807861.91        3.33209  (10021420)
        464743.41   3807861.91        3.28716  (10021420)                464763.41
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3807861.91 3.24289 (10021420)
  464783.41 3807861.91 3.19311 (10021420) 464803.41
3807861.91 3.14258 (10021420)
  464823.41 3807861.91 3.09874 (10021420) 464843.41
3807861.91 3.05190 (10021420)
  464863.41 3807861.91 3.00518 (10021420) 464883.41
3807861.91 2.96331 (10021420)
  464903.41 3807861.91 2.91858 (10021420) 464923.41
3807861.91 2.87392 (10021420)
  464943.41 3807861.91 2.83380 (10021420) 464963.41
3807861.91 2.79112 (09120320)
  464983.41 3807861.91 2.75817 (09120320) 465003.41
3807861.91 2.72947 (09120320)
  465023.41 3807861.91 2.69822 (09120320) 465043.41
3807861.91 2.66700 (09120320)
  465063.41 3807861.91 2.63981 (09120320) 465083.41
3807861.91 2.61015 (09120320)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
  L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
  L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
  L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465103.41	3807861.91	2.58047	(09120320)	465123.41	3807861.91	2.55463	(09120320)
465143.41	3807861.91	2.52639	(09120320)	465163.41	3807861.91	2.49812	(09120320)

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        465183.41   3807861.91        2.47348  (09120320)              465203.41
3807861.91        2.44993  (09120320)
        465223.41   3807861.91        2.42632  (09120320)              465243.41
3807861.91        2.39899  (09120320)
        465263.41   3807861.91        2.37523  (09120320)              465283.41
3807861.91        2.35321  (09120320)
        465303.41   3807861.91        2.33048  (09120320)              465323.41
3807861.91        2.30871  (09120320)
        465343.41   3807861.91        2.28686  (09120320)              465363.41
3807861.91        2.26159  (09120320)
        465383.41   3807861.91        2.23881  (09120320)              464503.41
3807881.91        3.72052  (10021420)
        464523.41   3807881.91        3.65781  (10021420)              464543.41
3807881.91        3.60569  (10021420)
        464723.41   3807881.91        3.34540  (10021420)              464743.41
3807881.91        3.30122  (10021420)
        464763.41   3807881.91        3.25768  (10021420)              464783.41
3807881.91        3.20862  (10021420)
        464803.41   3807881.91        3.15769  (10021420)              464823.41
3807881.91        3.10859  (10021420)
        464843.41   3807881.91        3.06463  (10021420)              464863.41
3807881.91        3.02235  (10021420)
        464883.41   3807881.91        2.97550  (10021420)              464903.41
3807881.91        2.93348  (10021420)
        464923.41   3807881.91        2.89300  (10021420)              464943.41
3807881.91        2.84818  (10021420)
        464963.41   3807881.91        2.80789  (10021420)              464983.41
3807881.91        2.76902  (10021420)
        465003.41   3807881.91        2.72625  (09120320)              465023.41
3807881.91        2.69717  (09120320)
        465043.41   3807881.91        2.66944  (09120320)              465063.41
3807881.91        2.63785  (09120320)
        465083.41   3807881.91        2.61026  (09120320)              465103.41
3807881.91        2.58394  (09120320)
        465123.41   3807881.91        2.55389  (09120320)              465143.41
3807881.91        2.52764  (09120320)
        465163.41   3807881.91        2.50257  (09120320)              465183.41
3807881.91        2.47391  (09120320)
        465203.41   3807881.91        2.44953  (09120320)              465223.41
3807881.91        2.42698  (09120320)
        465243.41   3807881.91        2.40407  (09120320)              465263.41
3807881.91        2.38199  (09120320)
        465283.41   3807881.91        2.35956  (09120320)              465303.41
3807881.91        2.33320  (09120320)
        465323.41   3807881.91        2.31068  (09120320)              465343.41
3807881.91        2.28980  (09120320)
        465363.41   3807881.91        2.26857  (09120320)              465383.41
3807881.91        2.24486  (09120320)
        464723.41   3807901.91        3.34789  (10021420)              464743.41
3807901.91        3.31230  (10021420)
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        464763.41   3807901.91        3.26450  (10021420)               464783.41
3807901.91        3.21807  (10021420)
        464803.41   3807901.91        3.17171  (10021420)               464823.41
3807901.91        3.12211  (10021420)
        464843.41   3807901.91        3.07926  (10021420)               464863.41
3807901.91        3.03843  (10021420)
        464883.41   3807901.91        2.99110  (10021420)               464903.41
3807901.91        2.94715  (10021420)
        464923.41   3807901.91        2.90531  (10021420)               464943.41
3807901.91        2.86430  (10021420)
        464963.41   3807901.91        2.82641  (10021420)               464983.41
3807901.91        2.78885  (10021420)
        465003.41   3807901.91        2.74541  (10021420)               465023.41
3807901.91        2.70493  (10021420)
        465043.41   3807901.91        2.66653  (09120320)               465063.41
3807901.91        2.63809  (09120320)
        465083.41   3807901.91        2.60993  (09120320)               465103.41
3807901.91        2.58224  (09120320)
        465123.41   3807901.91        2.55520  (09120320)               465143.41
3807901.91        2.52841  (09120320)
        465163.41   3807901.91        2.50203  (09120320)               465183.41
3807901.91        2.47626  (09120320)
        465203.41   3807901.91        2.45298  (09120320)               465223.41
3807901.91        2.43039  (09120320)
        465243.41   3807901.91        2.40541  (09120320)               465263.41
3807901.91        2.38289  (09120320)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK3I1 ***
                                    INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                  L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                  L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                  L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465283.41	3807901.91	2.36128	(09120320)	465303.41	3807901.91	2.33755	(09120320)
465323.41	3807901.91	2.31397	(09120320)	465343.41	3807901.91	2.29113	(09120320)
465363.41	3807901.91	2.27103	(09120320)	465383.41	3807901.91	2.24941	(09120320)
464723.41	3807921.91	3.34343	(10021420)	464743.41	3807921.91	3.31629	(10021420)
464763.41	3807921.91	3.26880	(10021420)	464783.41	3807921.91	3.22463	(10021420)
464803.41	3807921.91	3.18140	(10021420)	464823.41	3807921.91	3.13443	(10021420)
464843.41	3807921.91	3.09165	(10021420)	464863.41	3807921.91	3.05013	(10021420)
464883.41	3807921.91	3.00351	(10021420)	464903.41	3807921.91	2.95876	(10021420)
464923.41	3807921.91	2.91641	(10021420)	464943.41	3807921.91	2.87998	(10021420)
464963.41	3807921.91	2.84286	(10021420)	464983.41	3807921.91	2.80466	(10021420)
465003.41	3807921.91	2.76183	(10021420)	465023.41	3807921.91	2.72063	(10021420)
465043.41	3807921.91	2.68131	(10021420)	465063.41	3807921.91	2.64606	(10021420)
465083.41	3807921.91	2.60847	(09120320)	465103.41	3807921.91	2.57992	(09120320)
465123.41	3807921.91	2.55519	(09120320)	465143.41	3807921.91	2.52805	(09120320)
465163.41	3807921.91	2.50085	(09120320)	465183.41	3807921.91	2.47730	(09120320)
465203.41	3807921.91	2.45484	(09120320)	465223.41	3807921.91	2.43230	(09120320)
465243.41	3807921.91	2.40599	(09120320)	465263.41	3807921.91	2.38246	(09120320)
465283.41	3807921.91	2.36069	(09120320)	465303.41	3807921.91	2.34016	(09120320)
465323.41	3807921.91	2.31674	(09120320)	465343.41	3807921.91	2.29294	(09120320)
465363.41	3807921.91	2.27320	(09120320)	465383.41	3807921.91	2.25291	(09120320)
464723.41	3807941.91	3.33038	(10021420)	464743.41	3807941.91	3.30701	(10021420)
464763.41	3807941.91	3.27333	(10021420)	464783.41	3807941.91	3.22987	(10021420)
464803.41	3807941.91	3.18352	(10021420)	464823.41			

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3807941.91        3.14333  (10021420)
        464843.41   3807941.91        3.09933  (10021420)                464863.41
3807941.91        3.05381  (10021420)
        464883.41   3807941.91        3.00800  (10021420)                464903.41
3807941.91        2.96783  (10021420)
        464923.41   3807941.91        2.93078  (10021420)                464943.41
3807941.91        2.89501  (10021420)
        464963.41   3807941.91        2.85500  (10021420)                464983.41
3807941.91        2.81320  (10021420)
        465003.41   3807941.91        2.77108  (10021420)                465023.41
3807941.91        2.73396  (10021420)
        465043.41   3807941.91        2.69849  (10021420)                465063.41
3807941.91        2.65896  (10021420)
        465083.41   3807941.91        2.62348  (10021420)                465103.41
3807941.91        2.58921  (10021420)
        465123.41   3807941.91        2.55137  (09120320)                465143.41
3807941.91        2.52622  (09120320)
        465163.41   3807941.91        2.50224  (09120320)                465183.41
3807941.91        2.47463  (09120320)
        465203.41   3807941.91        2.45132  (09120320)                465223.41
3807941.91        2.42984  (09120320)
        465243.41   3807941.91        2.40798  (09120320)                465263.41
3807941.91        2.38340  (09120320)
        465283.41   3807941.91        2.35872  (09120320)                465303.41
3807941.91        2.33859  (09120320)
        465323.41   3807941.91        2.31807  (09120320)                465343.41
3807941.91        2.29779  (09120320)
        465363.41   3807941.91        2.27833  (09120320)                465383.41
3807941.91        2.25583  (09120320)
        465403.41   3807941.91        2.23280  (09120320)                465423.41
3807941.91        2.21333  (09120320)
        465443.41   3807941.91        2.19454  (09120320)                465463.41
3807941.91        2.17719  (09120320)
        465483.41   3807941.91        2.15821  (09120320)                465503.41
3807941.91        2.13995  (09120320)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 653
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK3I1 ***
                                  INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                L0006152    , L0006153    , L0006154    , L0006155    , L0006156
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, L0006157   , L0006158   , L0006159   ,
                L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465523.41   3807941.91   2.12133 (09120320)   465543.41
3807941.91   2.09943 (09120320)
        465563.41   3807941.91   2.08013 (09120320)   465583.41
3807941.91   2.06226 (09120320)
        465603.41   3807941.91   2.04511 (09120320)   465623.41
3807941.91   2.02538 (09120320)
        465643.41   3807941.91   2.00524 (09120320)   465663.41
3807941.91   1.98792 (09120320)
        465683.41   3807941.91   1.96859 (09120320)   465703.41
3807941.91   1.94906 (09120320)
        464723.41   3807961.91   3.30574 (10021420)   464743.41
3807961.91   3.29462 (10021420)
        464763.41   3807961.91   3.26990 (10021420)   464783.41
3807961.91   3.23246 (10021420)
        464803.41   3807961.91   3.18930 (10021420)   464823.41
3807961.91   3.14628 (10021420)
        464843.41   3807961.91   3.10444 (10021420)   464863.41
3807961.91   3.06258 (10021420)
        464883.41   3807961.91   3.01750 (10021420)   464903.41
3807961.91   2.97881 (10021420)
        464923.41   3807961.91   2.94259 (10021420)   464943.41
3807961.91   2.90315 (10021420)
        464963.41   3807961.91   2.86472 (10021420)   464983.41
3807961.91   2.82619 (10021420)
        465003.41   3807961.91   2.78470 (10021420)   465023.41
3807961.91   2.74890 (10021420)
        465043.41   3807961.91   2.71472 (10021420)   465063.41
3807961.91   2.67479 (10021420)
        465083.41   3807961.91   2.63765 (10021420)   465103.41
3807961.91   2.60222 (10021420)
        465123.41   3807961.91   2.56740 (10021420)   465143.41
3807961.91   2.53276 (10021420)
        465163.41   3807961.91   2.49875 (09120320)   465183.41
3807961.91   2.47405 (09120320)
        465203.41   3807961.91   2.44953 (09120320)   465223.41
3807961.91   2.42585 (09120320)

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        465243.41   3807961.91        2.40522  (09120320)                465263.41
3807961.91        2.38293  (09120320)
        465283.41   3807961.91        2.36048  (09120320)                465303.41
3807961.91        2.34066  (09120320)
        465323.41   3807961.91        2.31896  (09120320)                465343.41
3807961.91        2.29711  (09120320)
        465363.41   3807961.91        2.27801  (09120320)                465383.41
3807961.91        2.25736  (09120320)
        465403.41   3807961.91        2.23605  (09120320)                465423.41
3807961.91        2.21476  (09120320)
        465443.41   3807961.91        2.19558  (09120320)                465463.41
3807961.91        2.18126  (09120320)
        465483.41   3807961.91        2.16063  (09120320)                465503.41
3807961.91        2.14209  (09120320)
        465523.41   3807961.91        2.12411  (09120320)                465543.41
3807961.91        2.10437  (09120320)
        465563.41   3807961.91        2.08645  (09120320)                465583.41
3807961.91        2.06899  (09120320)
        465603.41   3807961.91        2.04963  (09120320)                465623.41
3807961.91        2.03062  (09120320)
        465643.41   3807961.91        2.01187  (09120320)                465663.41
3807961.91        1.99310  (09120320)
        465683.41   3807961.91        1.97467  (09120320)                465703.41
3807961.91        1.95688  (09120320)
        464743.41   3807981.91        3.27692  (10021420)                464763.41
3807981.91        3.26018  (10021420)
        464783.41   3807981.91        3.23009  (10021420)                464803.41
3807981.91        3.19225  (10021420)
        464823.41   3807981.91        3.14585  (10021420)                464843.41
3807981.91        3.10624  (10021420)
        464863.41   3807981.91        3.06861  (10021420)                464883.41
3807981.91        3.02428  (10021420)
        464903.41   3807981.91        2.98634  (10021420)                464923.41
3807981.91        2.95050  (10021420)
        464943.41   3807981.91        2.90972  (10021420)                464963.41
3807981.91        2.87264  (10021420)
        464983.41   3807981.91        2.83683  (10021420)                465003.41
3807981.91        2.79763  (10021420)
        465023.41   3807981.91        2.76190  (10021420)                465043.41
3807981.91        2.72736  (10021420)
        465063.41   3807981.91        2.68957  (10021420)                465083.41
3807981.91        2.65119  (10021420)
        465103.41   3807981.91        2.61416  (10021420)                465123.41
3807981.91        2.58331  (10021420)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465143.41	3807981.91	2.54811	(10021420)	465163.41	3807981.91	2.51210	(10021420)
465183.41	3807981.91	2.48087	(10021420)	465203.41	3807981.91	2.44741	(09120320)
465223.41	3807981.91	2.42266	(09120320)	465243.41	3807981.91	2.40239	(09120320)
465263.41	3807981.91	2.38237	(09120320)	465283.41	3807981.91	2.36241	(09120320)
465303.41	3807981.91	2.34172	(09120320)	465323.41	3807981.91	2.31883	(09120320)
465343.41	3807981.91	2.29584	(09120320)	465363.41	3807981.91	2.27598	(09120320)
465383.41	3807981.91	2.25702	(09120320)	465403.41	3807981.91	2.23795	(09120320)
465423.41	3807981.91	2.21549	(09120320)	465443.41	3807981.91	2.19616	(09120320)
465463.41	3807981.91	2.18407	(09120320)	465483.41	3807981.91	2.16226	(09120320)
465503.41	3807981.91	2.14358	(09120320)	465523.41	3807981.91	2.12622	(09120320)
465543.41	3807981.91	2.10820	(09120320)	465563.41	3807981.91	2.09102	(09120320)
465583.41	3807981.91	2.07356	(09120320)	465603.41	3807981.91	2.05312	(09120320)
465623.41	3807981.91	2.03489	(09120320)	465643.41	3807981.91	2.01726	(09120320)
465663.41	3807981.91	1.99746	(09120320)	465683.41			

3807981.91 1.98040 (09120320)
465703.41 3807981.91 1.96449 (09120320) 464763.41
3808001.91 3.24160 (10021420)
464783.41 3808001.91 3.21935 (10021420) 464803.41
3808001.91 3.18762 (10021420)
464823.41 3808001.91 3.14210 (10021420) 464843.41
3808001.91 3.10355 (10021420)
464863.41 3808001.91 3.06670 (10021420) 464883.41
3808001.91 3.02322 (10021420)
464903.41 3808001.91 2.98628 (10021420) 464923.41
3808001.91 2.95219 (10021420)
464943.41 3808001.91 2.91759 (10021420) 464963.41
3808001.91 2.87941 (10021420)
464983.41 3808001.91 2.84092 (10021420) 465003.41
3808001.91 2.80757 (10021420)
465023.41 3808001.91 2.77081 (10021420) 465043.41
3808001.91 2.73371 (10021420)
465063.41 3808001.91 2.70149 (10021420) 465083.41
3808001.91 2.66534 (10021420)
465103.41 3808001.91 2.62889 (10021420) 465123.41
3808001.91 2.59863 (10021420)
465143.41 3808001.91 2.56399 (10021420) 465163.41
3808001.91 2.52771 (10021420)
465183.41 3808001.91 2.49258 (10021420) 465203.41
3808001.91 2.46108 (10021420)
465223.41 3808001.91 2.43159 (10021420) 465243.41
3808001.91 2.40307 (09120320)
465263.41 3808001.91 2.38333 (09120320) 465283.41
3808001.91 2.36293 (09120320)
465303.41 3808001.91 2.33853 (09120320) 465323.41
3808001.91 2.31739 (09120320)
465343.41 3808001.91 2.29722 (09120320) 465363.41
3808001.91 2.27381 (09120320)
465383.41 3808001.91 2.25411 (09120320) 465403.41
3808001.91 2.23597 (09120320)
465423.41 3808001.91 2.21744 (09120320) 465443.41
3808001.91 2.19960 (09120320)
465463.41 3808001.91 2.18320 (09120320) 465483.41
3808001.91 2.16515 (09120320)
465503.41 3808001.91 2.14782 (09120320) 465523.41
3808001.91 2.13012 (09120320)
465543.41 3808001.91 2.10910 (09120320) 465563.41
3808001.91 2.09113 (09120320)
465583.41 3808001.91 2.07466 (09120320) 465603.41
3808001.91 2.05767 (09120320)
465623.41 3808001.91 2.03859 (09120320) 465643.41
3808001.91 2.01929 (09120320)
465663.41 3808001.91 2.00282 (09120320) 465683.41
3808001.91 1.98697 (09120320)
465703.41 3808001.91 1.97078 (09120320) 464763.41

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464823.41	3808021.91	3.13343	(10021420)	464843.41	3808021.91	3.09896	(10021420)
464863.41	3808021.91	3.06383	(10021420)	464883.41	3808021.91	3.02587	(10021420)
464903.41	3808021.91	2.98805	(10021420)	464923.41	3808021.91	2.95138	(10021420)
464943.41	3808021.91	2.91874	(10021420)	464963.41	3808021.91	2.88389	(10021420)
464983.41	3808021.91	2.84815	(10021420)	465003.41	3808021.91	2.81236	(10021420)
465023.41	3808021.91	2.77748	(10021420)	465043.41	3808021.91	2.74299	(10021420)
465063.41	3808021.91	2.70856	(10021420)	465083.41	3808021.91	2.67473	(10021420)
465103.41	3808021.91	2.64138	(10021420)	465123.41	3808021.91	2.60806	(10021420)
465143.41	3808021.91	2.57530	(10021420)	465163.41	3808021.91	2.54246	(10021420)

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        465183.41   3808021.91        2.50698  (10021420)              465203.41
3808021.91        2.47633  (10021420)
        465223.41   3808021.91        2.44749  (10021420)              465243.41
3808021.91        2.41612  (10021420)
        465263.41   3808021.91        2.38717  (10021420)              465283.41
3808021.91        2.35908  (10021420)
        465303.41   3808021.91        2.33725  (09120320)              465323.41
3808021.91        2.31562  (09120320)
        465343.41   3808021.91        2.29430  (09120320)              465363.41
3808021.91        2.27343  (09120320)
        465383.41   3808021.91        2.25470  (09120320)              465403.41
3808021.91        2.23651  (09120320)
        465423.41   3808021.91        2.21615  (09120320)              465443.41
3808021.91        2.19791  (09120320)
        465463.41   3808021.91        2.18453  (09120320)              465483.41
3808021.91        2.16482  (09120320)
        465503.41   3808021.91        2.14719  (09120320)              465523.41
3808021.91        2.13012  (09120320)
        465543.41   3808021.91        2.11126  (09120320)              465563.41
3808021.91        2.09247  (09120320)
        465583.41   3808021.91        2.07433  (09120320)              465603.41
3808021.91        2.05839  (09120320)
        465623.41   3808021.91        2.04102  (09120320)              465643.41
3808021.91        2.02355  (09120320)
        465663.41   3808021.91        2.00804  (09120320)              465683.41
3808021.91        1.99101  (09120320)
        465703.41   3808021.91        1.97348  (09120320)              464783.41
3808041.91        3.16324  (10021420)
        464803.41   3808041.91        3.14532  (10021420)              464823.41
3808041.91        3.12068  (10021420)
        464843.41   3808041.91        3.09122  (10021420)              464863.41
3808041.91        3.05930  (10021420)
        464883.41   3808041.91        3.02625  (10021420)              464903.41
3808041.91        2.98895  (10021420)
        464923.41   3808041.91        2.95116  (10021420)              464943.41
3808041.91        2.91934  (10021420)
        464963.41   3808041.91        2.88782  (10021420)              464983.41
3808041.91        2.85529  (10021420)
        465003.41   3808041.91        2.81656  (10021420)              465023.41
3808041.91        2.78251  (10021420)
        465043.41   3808041.91        2.75009  (10021420)              465063.41
3808041.91        2.71434  (10021420)
        465083.41   3808041.91        2.68186  (10021420)              465103.41
3808041.91        2.65047  (10021420)
        465123.41   3808041.91        2.61589  (10021420)              465143.41
3808041.91        2.58441  (10021420)
        465163.41   3808041.91        2.55394  (10021420)              465183.41
3808041.91        2.52044  (10021420)
        465203.41   3808041.91        2.48986  (10021420)              465223.41
3808041.91        2.46024  (10021420)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465483.41	3808041.91	2.16378	(09120320)	465503.41	3808041.91	2.14530	(09120320)
465523.41	3808041.91	2.12825	(09120320)	465543.41	3808041.91	2.11211	(09120320)
465563.41	3808041.91	2.09339	(09120320)	465583.41	3808041.91	2.07436	(09120320)
465603.41	3808041.91	2.05873	(09120320)	465623.41	3808041.91	2.04322	(09120320)
465643.41	3808041.91	2.02770	(09120320)	465663.41			

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3808041.91        2.01155  (09120320)
        465683.41   3808041.91        1.99363  (09120320)                465703.41
3808041.91        1.97569  (09120320)
        464803.41   3808061.91        3.12591  (10021420)                464823.41
3808061.91        3.10264  (10021420)
        464843.41   3808061.91        3.07847  (10021420)                464863.41
3808061.91        3.05252  (10021420)
        464883.41   3808061.91        3.02036  (10021420)                464903.41
3808061.91        2.98765  (10021420)
        464923.41   3808061.91        2.95530  (10021420)                464943.41
3808061.91        2.92416  (10021420)
        464963.41   3808061.91        2.89332  (10021420)                464983.41
3808061.91        2.86147  (10021420)
        465003.41   3808061.91        2.82341  (10021420)                465023.41
3808061.91        2.78656  (10021420)
        465043.41   3808061.91        2.75155  (10021420)                465063.41
3808061.91        2.72144  (10021420)
        465083.41   3808061.91        2.68797  (10021420)                465103.41
3808061.91        2.65413  (10021420)
        465123.41   3808061.91        2.62491  (10021420)                465143.41
3808061.91        2.59250  (10021420)
        465163.41   3808061.91        2.55970  (10021420)                465183.41
3808061.91        2.53129  (10021420)
        465203.41   3808061.91        2.49982  (10021420)                465223.41
3808061.91        2.46798  (10021420)
        465243.41   3808061.91        2.44029  (10021420)                465263.41
3808061.91        2.40969  (10021420)
        465283.41   3808061.91        2.37892  (10021420)                465303.41
3808061.91        2.35272  (10021420)
        465323.41   3808061.91        2.32603  (10021420)                465343.41
3808061.91        2.29863  (10021420)
        465363.41   3808061.91        2.26790  (10021420)                465383.41
3808061.91        2.24853  (09120320)
        465403.41   3808061.91        2.23130  (09120320)                465423.41
3808061.91        2.21369  (09120320)
        465443.41   3808061.91        2.19675  (09120320)                465463.41
3808061.91        2.18126  (09120320)
        465483.41   3808061.91        2.16410  (09120320)                465503.41
3808061.91        2.14466  (09120320)
        465523.41   3808061.91        2.12507  (09120320)                465543.41
3808061.91        2.10927  (09120320)
        465563.41   3808061.91        2.09316  (09120320)                465583.41
3808061.91        2.07705  (09120320)
        465603.41   3808061.91        2.06167  (09120320)                465623.41
3808061.91        2.04641  (09120320)
        465643.41   3808061.91        2.03058  (09120320)                465663.41
3808061.91        2.01164  (09120320)
        465683.41   3808061.91        1.99510  (09120320)                465703.41
3808061.91        1.97987  (09120320)
        464823.41   3808081.91        3.09058  (10021420)                464843.41
```

3808081.91 3.06489 (10021420)
  464863.41 3808081.91 3.03781 (10021420) 464883.41
3808081.91 3.01127 (10021420)
  464903.41 3808081.91 2.98500 (10021420) 464923.41
3808081.91 2.95795 (10021420)
  464943.41 3808081.91 2.92749 (10021420) 464963.41
3808081.91 2.89442 (10021420)
  464983.41 3808081.91 2.86056 (10021420) 465003.41
3808081.91 2.82734 (10021420)
  465023.41 3808081.91 2.79186 (10021420) 465043.41
3808081.91 2.75682 (10021420)
  465063.41 3808081.91 2.72837 (10021420) 465083.41
3808081.91 2.69521 (10021420)
  465103.41 3808081.91 2.66069 (10021420) 465123.41
3808081.91 2.62936 (10021420)
  465143.41 3808081.91 2.59855 (10021420) 465163.41
3808081.91 2.56815 (10021420)
  465183.41 3808081.91 2.53773 (10021420) 465203.41
3808081.91 2.50779 (10021420)
  465223.41 3808081.91 2.47822 (10021420) 465243.41
3808081.91 2.44862 (10021420)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
  L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
  L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
  L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)

```
        465263.41   3808081.91        2.41948  (10021420)              465283.41
3808081.91        2.39124  (10021420)
        465303.41   3808081.91        2.36559  (10021420)              465323.41
3808081.91        2.33792  (10021420)
        465343.41   3808081.91        2.30957  (10021420)              465363.41
3808081.91        2.28163  (10021420)
        465383.41   3808081.91        2.25579  (10021420)              465403.41
3808081.91        2.23042  (10021420)
        465423.41   3808081.91        2.20995  (09120320)              465443.41
3808081.91        2.19259  (09120320)
        465463.41   3808081.91        2.18011  (09120320)              465483.41
3808081.91        2.16128  (09120320)
        465503.41   3808081.91        2.14282  (09120320)              465523.41
3808081.91        2.12467  (09120320)
        465543.41   3808081.91        2.10649  (09120320)              465563.41
3808081.91        2.09032  (09120320)
        465583.41   3808081.91        2.07511  (09120320)              465603.41
3808081.91        2.06003  (09120320)
        465623.41   3808081.91        2.04508  (09120320)              465643.41
3808081.91        2.02982  (09120320)
        465663.41   3808081.91        2.01290  (09120320)              465683.41
3808081.91        1.99766  (09120320)
        465703.41   3808081.91        1.98281  (09120320)              464843.41
3808101.91        3.05103  (10021420)
        464863.41   3808101.91        3.02504  (10021420)              464883.41
3808101.91        3.00368  (10021420)
        464903.41   3808101.91        2.98108  (10021420)              464923.41
3808101.91        2.95667  (10021420)
        464943.41   3808101.91        2.92693  (10021420)              464963.41
3808101.91        2.89313  (10021420)
        464983.41   3808101.91        2.85856  (10021420)              465003.41
3808101.91        2.82831  (10021420)
        465023.41   3808101.91        2.79513  (10021420)              465043.41
3808101.91        2.76179  (10021420)
        465063.41   3808101.91        2.73252  (10021420)              465083.41
3808101.91        2.69946  (10021420)
        465103.41   3808101.91        2.66526  (10021420)              465123.41
3808101.91        2.63266  (10021420)
        465143.41   3808101.91        2.60410  (10021420)              465163.41
3808101.91        2.57649  (10021420)
        465183.41   3808101.91        2.54341  (10021420)              465203.41
3808101.91        2.51431  (10021420)
        465223.41   3808101.91        2.48654  (10021420)              465243.41
3808101.91        2.45579  (10021420)
        465263.41   3808101.91        2.42868  (10021420)              465283.41
3808101.91        2.40326  (10021420)
        465303.41   3808101.91        2.37696  (10021420)              465323.41
3808101.91        2.34830  (10021420)
        465343.41   3808101.91        2.31944  (10021420)              465363.41
3808101.91        2.29372  (10021420)
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        465383.41   3808101.91        2.26883  (10021420)               465403.41
3808101.91        2.24374  (10021420)
        465423.41   3808101.91        2.21514  (10021420)               465443.41
3808101.91        2.18964  (10021420)
        465463.41   3808101.91        2.17787  (09120320)               465483.41
3808101.91        2.15782  (09120320)
        465503.41   3808101.91        2.14020  (09120320)               465523.41
3808101.91        2.12324  (09120320)
        465543.41   3808101.91        2.10391  (09120320)               465563.41
3808101.91        2.08757  (09120320)
        465583.41   3808101.91        2.07266  (09120320)               465603.41
3808101.91        2.05787  (09120320)
        465623.41   3808101.91        2.04321  (09120320)               465643.41
3808101.91        2.02853  (09120320)
        465663.41   3808101.91        2.01320  (09120320)               465683.41
3808101.91        1.99863  (09120320)
        465703.41   3808101.91        1.98378  (09120320)               464863.41
3808121.91        3.02306  (10021420)
        464883.41   3808121.91        3.00233  (10021420)               464903.41
3808121.91        2.97649  (10021420)
        464923.41   3808121.91        2.94829  (10021420)               464943.41
3808121.91        2.91936  (10021420)
        464963.41   3808121.91        2.88987  (10021420)               464983.41
3808121.91        2.85948  (10021420)
        465003.41   3808121.91        2.82461  (10021420)               465023.41
3808121.91        2.79403  (10021420)
        465043.41   3808121.91        2.76468  (10021420)               465063.41
3808121.91        2.73103  (10021420)
        465083.41   3808121.91        2.69724  (10021420)               465103.41
3808121.91        2.66452  (10021420)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK3I1 ***
                                    INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                  L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                  L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                  L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465123.41	3808121.91	2.63732	(10021420)	465143.41	3808121.91	2.61096	(10021420)
465163.41	3808121.91	2.58395	(10021420)	465183.41	3808121.91	2.55145	(10021420)
465203.41	3808121.91	2.51991	(10021420)	465223.41	3808121.91	2.48990	(10021420)
465243.41	3808121.91	2.46407	(10021420)	465263.41	3808121.91	2.43897	(10021420)
465283.41	3808121.91	2.41334	(10021420)	465303.41	3808121.91	2.38345	(10021420)
465323.41	3808121.91	2.35684	(10021420)	465343.41	3808121.91	2.33113	(10021420)
465363.41	3808121.91	2.30198	(10021420)	465383.41	3808121.91	2.27656	(10021420)
465403.41	3808121.91	2.25265	(10021420)	465423.41	3808121.91	2.22826	(10021420)
465443.41	3808121.91	2.20449	(10021420)	465463.41	3808121.91	2.18211	(10021420)
465483.41	3808121.91	2.15797	(10021420)	465503.41	3808121.91	2.13719	(09120320)
465523.41	3808121.91	2.11837	(09120320)	465543.41	3808121.91	2.10265	(09120320)
465563.41	3808121.91	2.08762	(09120320)	465583.41	3808121.91	2.07294	(09120320)
465603.41	3808121.91	2.05839	(09120320)	465623.41	3808121.91	2.04396	(09120320)
465643.41	3808121.91	2.02896	(09120320)	465663.41	3808121.91	2.01083	(09120320)
465683.41	3808121.91	1.99552	(09120320)	465703.41	3808121.91	1.98157	(09120320)
464883.41	3808141.91	2.99121	(10021420)	464903.41	3808141.91	2.97005	(10021420)
464923.41	3808141.91	2.94521	(10021420)	464943.41	3808141.91	2.91695	(10021420)
464963.41	3808141.91	2.88896	(10021420)	464983.41	3808141.91	2.85993	(10021420)
465003.41	3808141.91	2.82466	(10021420)	465023.41	3808141.91	2.79507	(10021420)
465043.41	3808141.91	2.76703	(10021420)	465063.41	3808141.91	2.73300	(10021420)
465083.41	3808141.91	2.69941	(10021420)	465103.41			

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3808141.91        2.66754  (10021420)
        465123.41   3808141.91        2.64192  (10021420)                465143.41
3808141.91        2.61396  (10021420)
        465163.41   3808141.91        2.58520  (10021420)                465183.41
3808141.91        2.55691  (10021420)
        465203.41   3808141.91        2.52657  (10021420)                465223.41
3808141.91        2.49653  (10021420)
        465243.41   3808141.91        2.47216  (10021420)                465263.41
3808141.91        2.44561  (10021420)
        465283.41   3808141.91        2.41832  (10021420)                465303.41
3808141.91        2.39143  (10021420)
        465323.41   3808141.91        2.36456  (10021420)                465343.41
3808141.91        2.33790  (10021420)
        465363.41   3808141.91        2.31161  (10021420)                465383.41
3808141.91        2.28742  (10021420)
        465403.41   3808141.91        2.26370  (10021420)                465423.41
3808141.91        2.23765  (10021420)
        465443.41   3808141.91        2.21368  (10021420)                465463.41
3808141.91        2.19089  (10021420)
        465483.41   3808141.91        2.16810  (10021420)                465503.41
3808141.91        2.14368  (10021420)
        465523.41   3808141.91        2.11863  (10021420)                465543.41
3808141.91        2.09838  (09120320)
        465563.41   3808141.91        2.08302  (09120320)                465583.41
3808141.91        2.06864  (09120320)
        465603.41   3808141.91        2.05437  (09120320)                465623.41
3808141.91        2.04024  (09120320)
        465643.41   3808141.91        2.02580  (09120320)                465663.41
3808141.91        2.00969  (09120320)
        465683.41   3808141.91        1.99360  (09120320)                465703.41
3808141.91        1.97809  (09120320)
        464883.41   3808161.91        2.97688  (10021420)                464903.41
3808161.91        2.96106  (10021420)
        464923.41   3808161.91        2.94021  (10021420)                464943.41
3808161.91        2.91261  (10021420)
        464963.41   3808161.91        2.88528  (10021420)                464983.41
3808161.91        2.85714  (10021420)
        465003.41   3808161.91        2.82417  (10021420)                465023.41
3808161.91        2.79463  (10021420)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 659
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK3I1 ***
                                  INCLUDING SOURCE(S):     L0006139    , L0006140
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, L0006141    , L0006142    , L0006143    ,
                L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465043.41   3808161.91        2.76597  (10021420)               465063.41
3808161.91        2.73259  (10021420)
        465083.41   3808161.91        2.70063  (10021420)               465103.41
3808161.91        2.67036  (10021420)
        465123.41   3808161.91        2.64395  (10021420)               465143.41
3808161.91        2.61481  (10021420)
        465163.41   3808161.91        2.58544  (10021420)               465183.41
3808161.91        2.55974  (10021420)
        465203.41   3808161.91        2.53141  (10021420)               465223.41
3808161.91        2.50285  (10021420)
        465243.41   3808161.91        2.47777  (10021420)               465263.41
3808161.91        2.45017  (10021420)
        465283.41   3808161.91        2.42233  (10021420)               465303.41
3808161.91        2.39781  (10021420)
        465323.41   3808161.91        2.37087  (10021420)               465343.41
3808161.91        2.34369  (10021420)
        465363.41   3808161.91        2.31966  (10021420)               465383.41
3808161.91        2.29646  (10021420)
        465403.41   3808161.91        2.27301  (10021420)               465423.41
3808161.91        2.24597  (10021420)
        465443.41   3808161.91        2.22205  (10021420)               465463.41
3808161.91        2.19957  (10021420)
        465483.41   3808161.91        2.17628  (10021420)               465503.41
3808161.91        2.15382  (10021420)
        465523.41   3808161.91        2.13097  (10021420)               465543.41
3808161.91        2.10488  (10021420)
        465563.41   3808161.91        2.08176  (10021420)               465583.41
3808161.91        2.06387  (09120320)
        465603.41   3808161.91        2.04989  (09120320)               465623.41
3808161.91        2.03539  (09120320)
        465643.41   3808161.91        2.02095  (09120320)               465663.41
3808161.91        2.00735  (09120320)
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        465683.41   3808161.91        1.99132  (09120320)               465703.41
3808161.91        1.97485  (09120320)
        464903.41   3808181.91        2.94834  (10021420)               464923.41
3808181.91        2.92838  (10021420)
        464943.41   3808181.91        2.90151  (10021420)               464963.41
3808181.91        2.87492  (10021420)
        464983.41   3808181.91        2.84836  (10021420)               465003.41
3808181.91        2.82123  (10021420)
        465023.41   3808181.91        2.79059  (10021420)               465043.41
3808181.91        2.75840  (10021420)
        465063.41   3808181.91        2.72571  (10021420)               465083.41
3808181.91        2.69777  (10021420)
        465103.41   3808181.91        2.67130  (10021420)               465123.41
3808181.91        2.64067  (10021420)
        465143.41   3808181.91        2.61388  (10021420)               465163.41
3808181.91        2.58816  (10021420)
        465183.41   3808181.91        2.55844  (10021420)               465203.41
3808181.91        2.53237  (10021420)
        465223.41   3808181.91        2.50730  (10021420)               465243.41
3808181.91        2.47840  (10021420)
        465263.41   3808181.91        2.45296  (10021420)               465283.41
3808181.91        2.42846  (10021420)
        465303.41   3808181.91        2.40030  (10021420)               465323.41
3808181.91        2.37543  (10021420)
        465343.41   3808181.91        2.35144  (10021420)               465363.41
3808181.91        2.32395  (10021420)
        465383.41   3808181.91        2.30020  (10021420)               465403.41
3808181.91        2.27796  (10021420)
        465423.41   3808181.91        2.25520  (10021420)               465443.41
3808181.91        2.23305  (10021420)
        465463.41   3808181.91        2.21039  (10021420)               465483.41
3808181.91        2.18405  (10021420)
        465503.41   3808181.91        2.16094  (10021420)               465523.41
3808181.91        2.13935  (10021420)
        465543.41   3808181.91        2.11713  (10021420)               465563.41
3808181.91        2.09553  (10021420)
        465583.41   3808181.91        2.07423  (10021420)               465603.41
3808181.91        2.05299  (10021420)
        465623.41   3808181.91        2.03170  (09120320)               465643.41
3808181.91        2.01492  (09120320)
        465663.41   3808181.91        2.00161  (09120320)               465683.41
3808181.91        1.98800  (09120320)
        465703.41   3808181.91        1.97369  (09120320)               464923.41
3808201.91        2.90949  (10021420)
        464943.41   3808201.91        2.88779  (10021420)               464963.41
3808201.91        2.86340  (10021420)
        464983.41   3808201.91        2.83779  (10021420)               465003.41
3808201.91        2.81242  (10021420)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
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                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                 INCLUDING SOURCE(S):   L0006139   , L0006140 , L0006141   , L0006142   , L0006143   ,
                L0006144   , L0006145   , L0006146   , L0006147   , L0006148 , L0006149   , L0006150   , L0006151   ,
                L0006152   , L0006153   , L0006154   , L0006155   , L0006156 , L0006157   , L0006158   , L0006159   ,
                L0006160   , L0006161   , L0006162   , L0006163   , L0006164 , L0006165   , L0006166   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3808201.91 2.19291 (10021420)
465503.41 3808201.91 2.17102 (10021420) 465523.41
3808201.91 2.14999 (10021420)
465543.41 3808201.91 2.12902 (10021420) 465563.41
3808201.91 2.10629 (10021420)
465583.41 3808201.91 2.08337 (10021420) 465603.41
3808201.91 2.06264 (10021420)
465623.41 3808201.91 2.04037 (10021420) 465643.41
3808201.91 2.01793 (10021420)
465663.41 3808201.91 1.99879 (09120320) 465683.41
3808201.91 1.98418 (09120320)
465703.41 3808201.91 1.96905 (09120320) 464943.41
3808221.91 2.87288 (10021420)
464963.41 3808221.91 2.85092 (10021420) 464983.41
3808221.91 2.82599 (10021420)
465003.41 3808221.91 2.80131 (10021420) 465023.41
3808221.91 2.77272 (10021420)
465043.41 3808221.91 2.74333 (10021420) 465063.41
3808221.91 2.71802 (10021420)
465083.41 3808221.91 2.68886 (10021420) 465103.41
3808221.91 2.65951 (10021420)
465123.41 3808221.91 2.63641 (10021420) 465143.41
3808221.91 2.60967 (10021420)
465163.41 3808221.91 2.58215 (10021420) 465183.41
3808221.91 2.55830 (10021420)
465203.41 3808221.91 2.53179 (10021420) 465223.41
3808221.91 2.50504 (10021420)
465243.41 3808221.91 2.48176 (10021420) 465263.41
3808221.91 2.45594 (10021420)
465283.41 3808221.91 2.42985 (10021420) 465303.41
3808221.91 2.40708 (10021420)
465323.41 3808221.91 2.38186 (10021420) 465343.41
3808221.91 2.35637 (10021420)
465363.41 3808221.91 2.33405 (10021420) 465383.41
3808221.91 2.30936 (10021420)
465403.41 3808221.91 2.28459 (10021420) 465423.41
3808221.91 2.26376 (10021420)
465443.41 3808221.91 2.24299 (10021420) 465463.41
3808221.91 2.22228 (10021420)
465483.41 3808221.91 2.20162 (10021420) 465503.41
3808221.91 2.18029 (10021420)
465523.41 3808221.91 2.15896 (10021420) 465543.41
3808221.91 2.13849 (10021420)
465563.41 3808221.91 2.11524 (10021420) 465583.41
3808221.91 2.09160 (10021420)
465603.41 3808221.91 2.07137 (10021420) 465623.41
3808221.91 2.05053 (10021420)
465643.41 3808221.91 2.02969 (10021420) 465663.41
3808221.91 2.00963 (10021420)
465683.41 3808221.91 1.98705 (10021420) 465703.41

3808221.91 1.96398 (10021420)
  464963.41 3808241.91 2.83766 (10021420) 464983.41
3808241.91 2.81339 (10021420)
  465003.41 3808241.91 2.78937 (10021420) 465023.41
3808241.91 2.76477 (10021420)
  465043.41 3808241.91 2.73929 (10021420) 465063.41
3808241.91 2.70949 (10021420)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 ,
L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 ,
L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 ,
L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465083.41	3808241.91	2.67953	(10021420)	465103.41	3808241.91	2.65082	(10021420)
465123.41	3808241.91	2.62837	(10021420)	465143.41	3808241.91	2.60534	(10021420)
465163.41	3808241.91	2.58143	(10021420)	465183.41	3808241.91	2.55352	(10021420)
465203.41	3808241.91	2.52925	(10021420)	465223.41	3808241.91	2.50596	(10021420)
465243.41	3808241.91	2.47883	(10021420)	465263.41	3808241.91	2.45515	(10021420)
465283.41	3808241.91	2.43240	(10021420)	465303.41	3808241.91	2.40595	(10021420)
465323.41	3808241.91	2.38279	(10021420)	465343.41	3808241.91	2.36051	(10021420)

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        465363.41   3808241.91        2.33467  (10021420)              465383.41
3808241.91        2.31197  (10021420)
        465403.41   3808241.91        2.29097  (10021420)              465423.41
3808241.91        2.27064  (10021420)
        465443.41   3808241.91        2.25036  (10021420)              465463.41
3808241.91        2.23014  (10021420)
        465483.41   3808241.91        2.20996  (10021420)              465503.41
3808241.91        2.18671  (10021420)
        465523.41   3808241.91        2.16296  (10021420)              465543.41
3808241.91        2.14304  (10021420)
        465563.41   3808241.91        2.12270  (10021420)              465583.41
3808241.91        2.10226  (10021420)
        465603.41   3808241.91        2.08248  (10021420)              465623.41
3808241.91        2.05989  (10021420)
        465643.41   3808241.91        2.03685  (10021420)              465663.41
3808241.91        2.01729  (10021420)
        465683.41   3808241.91        1.99735  (10021420)              465703.41
3808241.91        1.97665  (10021420)
        464983.41   3808261.91        2.78781  (10021420)              465003.41
3808261.91        2.76877  (10021420)
        465023.41   3808261.91        2.74714  (10021420)              465043.41
3808261.91        2.72363  (10021420)
        465063.41   3808261.91        2.69755  (10021420)              465083.41
3808261.91        2.67176  (10021420)
        465103.41   3808261.91        2.64616  (10021420)              465123.41
3808261.91        2.62040  (10021420)
        465143.41   3808261.91        2.59756  (10021420)              465163.41
3808261.91        2.57542  (10021420)
        465183.41   3808261.91        2.55087  (10021420)              465203.41
3808261.91        2.52624  (10021420)
        465223.41   3808261.91        2.50184  (10021420)              465243.41
3808261.91        2.47784  (10021420)
        465263.41   3808261.91        2.45616  (10021420)              465283.41
3808261.91        2.43451  (10021420)
        465303.41   3808261.91        2.40773  (10021420)              465323.41
3808261.91        2.38316  (10021420)
        465343.41   3808261.91        2.35988  (10021420)              465363.41
3808261.91        2.33694  (10021420)
        465383.41   3808261.91        2.31397  (10021420)              465403.41
3808261.91        2.29159  (10021420)
        465423.41   3808261.91        2.27183  (10021420)              465443.41
3808261.91        2.25212  (10021420)
        465463.41   3808261.91        2.23253  (10021420)              465483.41
3808261.91        2.21291  (10021420)
        465503.41   3808261.91        2.19156  (10021420)              465523.41
3808261.91        2.16999  (10021420)
        465543.41   3808261.91        2.15055  (10021420)              465563.41
3808261.91        2.12930  (10021420)
        465583.41   3808261.91        2.10784  (10021420)              465603.41
3808261.91        2.08858  (10021420)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                  INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                 L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                 L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                 L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465223.41   3808281.91   2.49727 (10021420)   465243.41
3808281.91   2.47698 (10021420)
        465263.41   3808281.91   2.45591 (10021420)   465283.41
3808281.91   2.43374 (10021420)
        465303.41   3808281.91   2.40749 (10021420)   465323.41

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3808281.91        2.38234  (10021420)
        465343.41   3808281.91        2.35851  (10021420)                465363.41
3808281.91        2.33783  (10021420)
        465383.41   3808281.91        2.31477  (10021420)                465403.41
3808281.91        2.29144  (10021420)
        465423.41   3808281.91        2.27112  (10021420)                465443.41
3808281.91        2.25155  (10021420)
        465463.41   3808281.91        2.23412  (10021420)                465483.41
3808281.91        2.21504  (10021420)
        465503.41   3808281.91        2.19600  (10021420)                465523.41
3808281.91        2.17684  (10021420)
        465543.41   3808281.91        2.15685  (10021420)                465563.41
3808281.91        2.13477  (10021420)
        465583.41   3808281.91        2.11258  (10021420)                465603.41
3808281.91        2.09383  (10021420)
        465623.41   3808281.91        2.07443  (10021420)                465643.41
3808281.91        2.05429  (10021420)
        465663.41   3808281.91        2.03178  (10021420)                465683.41
3808281.91        2.01139  (10021420)
        465703.41   3808281.91        1.99219  (10021420)                465003.41
3808301.91        2.72576  (10021420)
        465023.41   3808301.91        2.70909  (10021420)                465043.41
3808301.91        2.69199  (10021420)
        465063.41   3808301.91        2.66415  (10021420)                465083.41
3808301.91        2.64536  (10021420)
        465103.41   3808301.91        2.62950  (10021420)                465123.41
3808301.91        2.60775  (10021420)
        465143.41   3808301.91        2.58683  (10021420)                465163.41
3808301.91        2.56533  (10021420)
        465183.41   3808301.91        2.53911  (10021420)                465203.41
3808301.91        2.51651  (10021420)
        465223.41   3808301.91        2.49589  (10021420)                465243.41
3808301.91        2.47608  (10021420)
        465263.41   3808301.91        2.45263  (10021420)                465283.41
3808301.91        2.42747  (10021420)
        465303.41   3808301.91        2.40181  (10021420)                465323.41
3808301.91        2.38002  (10021420)
        465343.41   3808301.91        2.35937  (10021420)                465363.41
3808301.91        2.33515  (10021420)
        465383.41   3808301.91        2.31406  (10021420)                465403.41
3808301.91        2.29380  (10021420)
        465423.41   3808301.91        2.27009  (10021420)                465443.41
3808301.91        2.24997  (10021420)
        465463.41   3808301.91        2.23861  (10021420)                465483.41
3808301.91        2.22001  (10021420)
        465503.41   3808301.91        2.20144  (10021420)                465523.41
3808301.91        2.18211  (10021420)
        465543.41   3808301.91        2.15914  (10021420)                465563.41
3808301.91        2.13882  (10021420)
        465583.41   3808301.91        2.11987  (10021420)                465603.41
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3808301.91   2.10156 (10021420)
        465623.41   3808301.91   2.08039 (10021420)   465643.41
3808301.91   2.05868 (10021420)
        465663.41   3808301.91   2.03982 (10021420)   465683.41
3808301.91   2.01873 (10021420)
        465703.41   3808301.91   1.99741 (10021420)   465043.41
3808321.91   2.67291 (10021420)
        465063.41   3808321.91   2.65281 (10021420)   465083.41
3808321.91   2.63477 (10021420)
        465103.41   3808321.91   2.61726 (10021420)   465123.41
3808321.91   2.59705 (10021420)
        465143.41   3808321.91   2.57700 (10021420)   465163.41
3808321.91   2.55647 (10021420)
        465183.41   3808321.91   2.53356 (10021420)   465203.41
3808321.91   2.51298 (10021420)
        465223.41   3808321.91   2.49295 (10021420)   465243.41
3808321.91   2.47012 (10021420)
        465263.41   3808321.91   2.44557 (10021420)   465283.41
3808321.91   2.42088 (10021420)
        465303.41   3808321.91   2.39907 (10021420)   465323.41
3808321.91   2.37724 (10021420)
        465343.41   3808321.91   2.35556 (10021420)   465363.41
3808321.91   2.33422 (10021420)
        465383.41   3808321.91   2.31285 (10021420)   465403.41
3808321.91   2.29161 (10021420)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                    INCLUDING SOURCE(S):   L0006139   , L0006140 , L0006141   , L0006142   , L0006143   ,
                  L0006144   , L0006145   , L0006146   , L0006147   , L0006148 , L0006149   , L0006150   , L0006151   ,
                  L0006152   , L0006153   , L0006154   , L0006155   , L0006156 , L0006157   , L0006158   , L0006159   ,
                  L0006160   , L0006161   , L0006162   , L0006163   , L0006164 , L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465423.41	3808321.91	2.27068	(10021420)	465443.41	3808321.91	2.25174	(10021420)
465463.41	3808321.91	2.23771	(10021420)	465483.41	3808321.91	2.21964	(10021420)
465503.41	3808321.91	2.20160	(10021420)	465523.41	3808321.91	2.18312	(10021420)
465543.41	3808321.91	2.16263	(10021420)	465563.41	3808321.91	2.14394	(10021420)
465583.41	3808321.91	2.12561	(10021420)	465603.41	3808321.91	2.10513	(10021420)
465623.41	3808321.91	2.08489	(10021420)	465643.41	3808321.91	2.06482	(10021420)
465663.41	3808321.91	2.04461	(10021420)	465683.41	3808321.91	2.02464	(10021420)
465703.41	3808321.91	2.00482	(10021420)	465083.41	3808341.91	2.62382	(10021420)
465103.41	3808341.91	2.60421	(10021420)	465123.41	3808341.91	2.58605	(10021420)
465143.41	3808341.91	2.56695	(10021420)	465163.41	3808341.91	2.54757	(10021420)
465183.41	3808341.91	2.52834	(10021420)	465203.41	3808341.91	2.50833	(10021420)
465223.41	3808341.91	2.48740	(10021420)	465243.41	3808341.91	2.46342	(10021420)
465263.41	3808341.91	2.43872	(10021420)	465283.41	3808341.91	2.41486	(10021420)
465303.41	3808341.91	2.39536	(10021420)	465323.41	3808341.91	2.37255	(10021420)
465343.41	3808341.91	2.34949	(10021420)	465363.41	3808341.91	2.33158	(10021420)
465383.41	3808341.91	2.31054	(10021420)	465403.41	3808341.91	2.28876	(10021420)
465423.41	3808341.91	2.26999	(10021420)	465443.41	3808341.91	2.25197	(10021420)
465463.41	3808341.91	2.23609	(10021420)	465483.41	3808341.91	2.21854	(10021420)
465503.41	3808341.91	2.20103	(10021420)	465523.41	3808341.91	2.18338	(10021420)
465543.41	3808341.91	2.16490	(10021420)	465563.41	3808341.91	2.14716	(10021420)
465583.41	3808341.91	2.12900	(10021420)	465603.41	3808341.91	2.10756	(10021420)
465623.41	3808341.91	2.08833	(10021420)	465643.41	3808341.91	2.06961	(10021420)
465663.41	3808341.91	2.04848	(10021420)	465683.41	3808341.91	2.02948	(10021420)

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        465703.41   3808341.91        2.01096  (10021420)               465103.41
3808361.91        2.59102  (10021420)
        465123.41   3808361.91        2.57806  (10021420)               465143.41
3808361.91        2.56098  (10021420)
        465163.41   3808361.91        2.54204  (10021420)               465183.41
3808361.91        2.52324  (10021420)
        465203.41   3808361.91        2.50069  (10021420)               465223.41
3808361.91        2.47740  (10021420)
        465243.41   3808361.91        2.45824  (10021420)               465263.41
3808361.91        2.43548  (10021420)
        465283.41   3808361.91        2.41133  (10021420)               465303.41
3808361.91        2.38809  (10021420)
        465323.41   3808361.91        2.36461  (10021420)               465343.41
3808361.91        2.34210  (10021420)
        465363.41   3808361.91        2.32473  (10021420)               465383.41
3808361.91        2.30680  (10021420)
        465403.41   3808361.91        2.28807  (10021420)               465423.41
3808361.91        2.26589  (10021420)
        465443.41   3808361.91        2.24729  (10021420)               465463.41
3808361.91        2.23747  (10021420)
        465483.41   3808361.91        2.22038  (10021420)               465503.41
3808361.91        2.20333  (10021420)
        465523.41   3808361.91        2.18550  (10021420)               465543.41
3808361.91        2.16401  (10021420)
        465563.41   3808361.91        2.14562  (10021420)               465583.41
3808361.91        2.12866  (10021420)
        465603.41   3808361.91        2.11105  (10021420)               465623.41
3808361.91        2.09109  (10021420)
        465643.41   3808361.91        2.07078  (10021420)               465663.41
3808361.91        2.05333  (10021420)
        465683.41   3808361.91        2.03363  (10021420)               465703.41
3808361.91        2.01359  (10021420)
        465183.41   3808381.91        2.50767  (10021420)               465203.41
3808381.91        2.48640  (10021420)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 664
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK3I1 ***
                                   INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
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L0006160 , L0006161 , L0006162 , L0006163 , L0006164
, L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465223.41	3808381.91	2.46535	(10021420)	465243.41	3808381.91	2.44411	(10021420)
465263.41	3808381.91	2.42116	(10021420)	465283.41	3808381.91	2.39798	(10021420)
465303.41	3808381.91	2.37785	(10021420)	465323.41	3808381.91	2.35566	(10021420)
465343.41	3808381.91	2.33369	(10021420)	465363.41	3808381.91	2.31686	(10021420)
465383.41	3808381.91	2.30009	(10021420)	465403.41	3808381.91	2.28293	(10021420)
465423.41	3808381.91	2.26350	(10021420)	465443.41	3808381.91	2.24606	(10021420)
465463.41	3808381.91	2.23352	(10021420)	465483.41	3808381.91	2.21695	(10021420)
465503.41	3808381.91	2.20041	(10021420)	465523.41	3808381.91	2.18341	(10021420)
465543.41	3808381.91	2.16439	(10021420)	465563.41	3808381.91	2.14530	(10021420)
465583.41	3808381.91	2.12677	(10021420)	465603.41	3808381.91	2.11042	(10021420)
465623.41	3808381.91	2.09245	(10021420)	465643.41	3808381.91	2.07378	(10021420)
465663.41	3808381.91	2.05498	(10021420)	465683.41	3808381.91	2.03639	(10021420)
465703.41	3808381.91	2.01793	(10021420)	465303.41	3808401.91	2.36466	(10021420)
465323.41	3808401.91	2.34480	(10021420)	465343.41	3808401.91	2.32437	(10021420)
465363.41	3808401.91	2.30807	(10021420)	465383.41	3808401.91	2.29182	(10021420)
465403.41	3808401.91	2.27563	(10021420)	465423.41	3808401.91	2.25947	(10021420)
465443.41	3808401.91	2.24336	(10021420)	465463.41	3808401.91	2.22736	(10021420)
465483.41	3808401.91	2.21131	(10021420)	465503.41	3808401.91	2.19529	(10021420)
465523.41	3808401.91	2.17929	(10021420)	465543.41			

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3808401.91        2.16331  (10021420)
        465563.41   3808401.91        2.14446  (10021420)                465583.41
3808401.91        2.12517  (10021420)
        465603.41   3808401.91        2.10932  (10021420)                465623.41
3808401.91        2.09280  (10021420)
        465643.41   3808401.91        2.07549  (10021420)                465663.41
3808401.91        2.05576  (10021420)
        465683.41   3808401.91        2.03814  (10021420)                465703.41
3808401.91        2.02099  (10021420)
        465323.41   3808421.91        2.33076  (10021420)                465343.41
3808421.91        2.31426  (10021420)
        465363.41   3808421.91        2.29848  (10021420)                465383.41
3808421.91        2.28274  (10021420)
        465403.41   3808421.91        2.26706  (10021420)                465423.41
3808421.91        2.25142  (10021420)
        465443.41   3808421.91        2.23582  (10021420)                465463.41
3808421.91        2.22026  (10021420)
        465483.41   3808421.91        2.20472  (10021420)                465503.41
3808421.91        2.18922  (10021420)
        465523.41   3808421.91        2.17373  (10021420)                465543.41
3808421.91        2.15826  (10021420)
        465563.41   3808421.91        2.14234  (10021420)                465583.41
3808421.91        2.12629  (10021420)
        465603.41   3808421.91        2.11087  (10021420)                465623.41
3808421.91        2.09254  (10021420)
        465643.41   3808421.91        2.07363  (10021420)                465663.41
3808421.91        2.05758  (10021420)
        465683.41   3808421.91        2.03925  (10021420)                465703.41
3808421.91        2.02057  (10021420)
        465323.41   3808441.91        2.31853  (10021420)                465343.41
3808441.91        2.30373  (10021420)
        465363.41   3808441.91        2.29157  (10021420)                465383.41
3808441.91        2.27735  (10021420)
        465403.41   3808441.91        2.26211  (10021420)                465423.41
3808441.91        2.24692  (10021420)
        465443.41   3808441.91        2.23177  (10021420)                465463.41
3808441.91        2.21665  (10021420)
        465483.41   3808441.91        2.20156  (10021420)                465503.41
3808441.91        2.18650  (10021420)
        465523.41   3808441.91        2.17146  (10021420)                465543.41
3808441.91        2.15644  (10021420)
        465563.41   3808441.91        2.14143  (10021420)                465583.41
3808441.91        2.12644  (10021420)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 665
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 , L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 , L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 , L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465603.41	3808441.91	2.11145	(10021420)	465623.41	3808441.91	2.09310	(10021420)
465643.41	3808441.91	2.07367	(10021420)	465663.41	3808441.91	2.05625	(10021420)
465683.41	3808441.91	2.03903	(10021420)	465703.41	3808441.91	2.02237	(10021420)
465343.41	3808461.91	2.29205	(10021420)	465363.41	3808461.91	2.28207	(10021420)
465383.41	3808461.91	2.26955	(10021420)	465403.41	3808461.91	2.25573	(10021420)
465423.41	3808461.91	2.24098	(10021420)	465443.41	3808461.91	2.22628	(10021420)
465463.41	3808461.91	2.21169	(10021420)	465483.41	3808461.91	2.19705	(10021420)
465503.41	3808461.91	2.18317	(10021420)	465523.41	3808461.91	2.16936	(10021420)
465543.41	3808461.91	2.15477	(10021420)	465563.41	3808461.91	2.14019	(10021420)
465583.41	3808461.91	2.12562	(10021420)	465603.41	3808461.91	2.11106	(10021420)
465623.41	3808461.91	2.09315	(10021420)	465643.41	3808461.91	2.07371	(10021420)
465663.41	3808461.91	2.05438	(10021420)	465683.41	3808461.91	2.03849	(10021420)
465703.41	3808461.91	2.02398	(10021420)	465343.41	3808481.91	2.27859	(10021420)
465363.41	3808481.91	2.26510	(10021420)	465383.41	3808481.91	2.25454	(10021420)

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        465403.41   3808481.91        2.24445  (10021420)              465423.41
3808481.91        2.23021  (10021420)
        465443.41   3808481.91        2.21600  (10021420)              465463.41
3808481.91        2.20183  (10021420)
        465483.41   3808481.91        2.18769  (10021420)              465503.41
3808481.91        2.17672  (10021420)
        465523.41   3808481.91        2.16632  (10021420)              465543.41
3808481.91        2.15216  (10021420)
        465563.41   3808481.91        2.13800  (10021420)              465583.41
3808481.91        2.12386  (10021420)
        465603.41   3808481.91        2.10973  (10021420)              465623.41
3808481.91        2.09225  (10021420)
        465643.41   3808481.91        2.07323  (10021420)              465663.41
3808481.91        2.05434  (10021420)
        465683.41   3808481.91        2.03887  (10021420)              465703.41
3808481.91        2.02421  (10021420)
        465463.41   3808501.91        2.19495  (10021420)              465483.41
3808501.91        2.17840  (10021420)
        465503.41   3808501.91        2.16750  (10021420)              465523.41
3808501.91        2.15822  (10021420)
        465543.41   3808501.91        2.14453  (10021420)              465563.41
3808501.91        2.13263  (10021420)
        465583.41   3808501.91        2.12069  (10021420)              465603.41
3808501.91        2.10435  (10021420)
        465623.41   3808501.91        2.08823  (10021420)              465643.41
3808501.91        2.07181  (10021420)
        465663.41   3808501.91        2.05335  (10021420)              465683.41
3808501.91        2.03829  (10021420)
        465703.41   3808501.91        2.02391  (10021420)              465523.41
3808521.91        2.14800  (10021420)
        465543.41   3808521.91        2.13480  (10021420)              465563.41
3808521.91        2.12508  (10021420)
        465583.41   3808521.91        2.11528  (10021420)              465603.41
3808521.91        2.09797  (10021420)
        465623.41   3808521.91        2.08284  (10021420)              465643.41
3808521.91        2.06819  (10021420)
        465663.41   3808521.91        2.05111  (10021420)              465683.41
3808521.91        2.03613  (10021420)
        465703.41   3808521.91        2.02160  (10021420)              464239.31
3809562.31        3.70053  (09040202)
        464277.31   3809562.31        3.56066  (09040202)              463745.31
3809591.37        4.25977  (10010907)
        463783.31   3809591.37        4.15636  (10010907)              463821.31
3809591.37        4.01496  (10022820)
        463859.31   3809591.37        4.20564  (10022820)              463897.31
3809591.37        4.34462  (10022820)
        463935.31   3809591.37        4.40568  (10022820)              464239.31
3809591.37        3.67579  (09040202)
        464277.31   3809591.37        3.54811  (09040202)              463745.31
3809620.43        4.16283  (10010907)
```

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                   INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                  L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                  L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                  L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        463859.31   3809620.43   4.06612 (10022820)   463897.31
3809620.43   4.21103 (10022820)
        463935.31   3809620.43   4.29479 (10022820)   463973.31
3809620.43   4.29206 (10022820)
        464011.31   3809620.43   4.22240 (10022820)   464049.31
3809620.43   4.09416 (10022820)
        464087.31   3809620.43   3.98471 (09031705)   464125.31
3809620.43   3.87714 (09031705)
        464163.31   3809620.43   3.77772 (09040202)   464201.31
3809620.43   3.71978 (09040202)
        464239.31   3809620.43   3.64239 (09040202)   464277.31
3809620.43   3.52952 (09040202)
        463745.31   3809649.49   4.06469 (10010907)   463783.31
3809649.49   4.00953 (10010907)
        463821.31   3809649.49   3.89005 (10010907)   463859.31
3809649.49   3.93033 (10022820)
        463897.31   3809649.49   4.07904 (10022820)   463935.31
3809649.49   4.17422 (10022820)
        463973.31   3809649.49   4.17913 (10022820)   464011.31

3809649.49 4.13944 (10022820)
464049.31 3809649.49 4.04384 (10022820) 464087.31
3809649.49 3.92331 (09031705)
464125.31 3809649.49 3.83910 (09031705) 464163.31
3809649.49 3.71108 (09031705)
464201.31 3809649.49 3.67411 (09040202) 464239.31
3809649.49 3.60806 (09040202)
464277.31 3809649.49 3.50768 (09040202) 464315.31
3809649.49 3.38264 (09040202)
464353.31 3809649.49 3.24664 (09010420) 464391.31
3809649.49 3.20992 (09010420)
464429.31 3809649.49 3.14821 (09010420) 464467.31
3809649.49 3.10335 (10011407)
464505.31 3809649.49 3.08245 (10011407) 463745.31
3809678.55 3.96069 (10010907)
463783.31 3809678.55 3.92238 (10010907) 463821.31
3809678.55 3.83212 (10010907)
463859.31 3809678.55 3.79310 (10022820) 463897.31
3809678.55 3.94904 (10022820)
463935.31 3809678.55 4.05768 (10022820) 463973.31
3809678.55 4.08562 (10022820)
464011.31 3809678.55 4.05568 (10022820) 464049.31
3809678.55 3.98999 (10022820)
464087.31 3809678.55 3.87008 (09031705) 464125.31
3809678.55 3.79682 (09031705)
464163.31 3809678.55 3.68586 (09031705) 464201.31
3809678.55 3.62656 (09040202)
464239.31 3809678.55 3.56636 (09040202) 464277.31
3809678.55 3.48027 (09040202)
464315.31 3809678.55 3.37070 (09040202) 464353.31
3809678.55 3.24653 (09040202)
464391.31 3809678.55 3.17229 (09010420) 464429.31
3809678.55 3.12014 (09010420)
464467.31 3809678.55 3.05526 (09010420) 464505.31
3809678.55 3.03661 (10011407)
463745.31 3809707.61 3.86785 (10010907) 463783.31
3809707.61 3.83840 (10010907)
463821.31 3809707.61 3.76068 (10010907) 463859.31
3809707.61 3.66515 (10022820)
463897.31 3809707.61 3.82244 (10022820) 463935.31
3809707.61 3.94089 (10022820)
463973.31 3809707.61 3.99143 (10022820) 464011.31
3809707.61 3.98070 (10022820)
464049.31 3809707.61 3.93325 (10022820) 464087.31
3809707.61 3.82952 (10022820)
464125.31 3809707.61 3.75103 (09031705) 464163.31
3809707.61 3.66083 (09031705)
464201.31 3809707.61 3.56566 (09040202) 464239.31
3809707.61 3.52355 (09040202)
464277.31 3809707.61 3.44993 (09040202) 464315.31

3809707.61   3.35788 (09040202)
        464353.31   3809707.61   3.23637 (09040202)   464391.31
3809707.61   3.12750 (09010420)
        464429.31   3809707.61   3.08617 (09010420)   464467.31
3809707.61   3.02982 (09010420)
        464505.31   3809707.61   2.99226 (10011407)   463745.31
3809736.67   3.78830 (10010907)
        463783.31   3809736.67   3.75799 (10010907)   463821.31
3809736.67   3.68179 (10010907)
        463859.31   3809736.67   3.56905 (10010907)   463897.31
3809736.67   3.69676 (10022820)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                  INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        463935.31   3809736.67   3.81588 (10022820)   463973.31
3809736.67   3.89435 (10022820)
        464011.31   3809736.67   3.91436 (10022820)   464049.31
3809736.67   3.87424 (10022820)
        464087.31   3809736.67   3.79583 (10022820)   464125.31
3809736.67   3.70687 (09031705)
        464163.31   3809736.67   3.63259 (09031705)   464201.31
3809736.67   3.51305 (09031705)
        464239.31   3809736.67   3.48110 (09040202)   464277.31
3809736.67   3.41987 (09040202)

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        464315.31   3809736.67        3.33399  (09040202)              464353.31
3809736.67        3.22762  (09040202)
        464391.31   3809736.67        3.10432  (09040202)              464429.31
3809736.67        3.05005  (09010420)
        464467.31   3809736.67        3.00549  (09010420)              464505.31
3809736.67        2.94507  (10011407)
        463745.31   3809765.73        3.71293  (10010907)              463783.31
3809765.73        3.68872  (10010907)
        463821.31   3809765.73        3.61727  (10010907)              463859.31
3809765.73        3.51125  (10010907)
        463897.31   3809765.73        3.57389  (10022820)              463935.31
3809765.73        3.69429  (10022820)
        463973.31   3809765.73        3.77249  (10022820)              464011.31
3809765.73        3.83289  (10022820)
        464049.31   3809765.73        3.82254  (10022820)              464087.31
3809765.73        3.75548  (10022820)
        464125.31   3809765.73        3.66143  (09031705)              464163.31
3809765.73        3.60064  (09031705)
        464201.31   3809765.73        3.49421  (09031705)              464239.31
3809765.73        3.43623  (09040202)
        464277.31   3809765.73        3.38749  (09040202)              464315.31
3809765.73        3.31028  (09040202)
        464353.31   3809765.73        3.21747  (09040202)              464391.31
3809765.73        3.09901  (09040202)
        464429.31   3809765.73        3.01381  (09010420)              464467.31
3809765.73        2.98044  (09010420)
        464505.31   3809765.73        2.92077  (09010420)              463745.31
3809794.79        3.63966  (10010907)
        463783.31   3809794.79        3.61610  (10010907)              463821.31
3809794.79        3.55427  (10010907)
        463859.31   3809794.79        3.45216  (10010907)              463897.31
3809794.79        3.44604  (10022820)
        463935.31   3809794.79        3.57329  (10022820)              463973.31
3809794.79        3.66021  (10022820)
        464011.31   3809794.79        3.72847  (10022820)              464049.31
3809794.79        3.76268  (10022820)
        464087.31   3809794.79        3.71344  (10022820)              464125.31
3809794.79        3.62000  (10022820)
        464163.31   3809794.79        3.55649  (09031705)              464201.31
3809794.79        3.47127  (09031705)
        464239.31   3809794.79        3.38236  (09040202)              464277.31
3809794.79        3.34679  (09040202)
        464315.31   3809794.79        3.28476  (09040202)              464353.31
3809794.79        3.19707  (09040202)
        464391.31   3809794.79        3.09366  (09040202)              464429.31
3809794.79        2.97665  (09040202)
        464467.31   3809794.79        2.94547  (09010420)              464505.31
3809794.79        2.89853  (09010420)
        463745.31   3809823.85        3.56794  (10010907)              463783.31
3809823.85        3.54590  (10010907)
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        463821.31   3809823.85        3.48172  (10010907)               463859.31
3809823.85        3.39274  (10010907)
        463897.31   3809823.85        3.31855  (10022820)               463935.31
3809823.85        3.45177  (10022820)
        463973.31   3809823.85        3.55110  (10022820)               464011.31
3809823.85        3.62119  (10022820)
        464049.31   3809823.85        3.67027  (10022820)               464087.31
3809823.85        3.66026  (10022820)
        464125.31   3809823.85        3.58892  (10022820)               464163.31
3809823.85        3.51292  (09031705)
        464201.31   3809823.85        3.43759  (09031705)               464239.31
3809823.85        3.33687  (09031705)
        464277.31   3809823.85        3.30453  (09040202)               464315.31
3809823.85        3.24995  (09040202)
        464353.31   3809823.85        3.17626  (09040202)               464391.31
3809823.85        3.08437  (09040202)
        464429.31   3809823.85        2.97276  (09040202)               464467.31
3809823.85        2.90906  (09010420)
        464505.31   3809823.85        2.86939  (09010420)               463745.31
3809852.91        3.50276  (10010907)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 668
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK3I1 ***
                                  INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
                  L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                  L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                  L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        463783.31   3809852.91        3.48817  (10010907)               463821.31
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3809852.91        3.42079  (10010907)
        463859.31   3809852.91        3.33732  (10010907)                463897.31
3809852.91        3.21593  (10010907)
        463935.31   3809852.91        3.33425  (10022820)                463973.31
3809852.91        3.44315  (10022820)
        464011.31   3809852.91        3.51766  (10022820)                464049.31
3809852.91        3.57081  (10022820)
        464087.31   3809852.91        3.57855  (10022820)                464125.31
3809852.91        3.53302  (10022820)
        464163.31   3809852.91        3.44890  (09031705)                464201.31
3809852.91        3.38871  (09031705)
        464239.31   3809852.91        3.30522  (09031705)                464277.31
3809852.91        3.25201  (09040202)
        464315.31   3809852.91        3.21342  (09040202)                464353.31
3809852.91        3.14910  (09040202)
        464391.31   3809852.91        3.06844  (09040202)                464429.31
3809852.91        2.96757  (09040202)
        464467.31   3809852.91        2.86766  (09010420)                464505.31
3809852.91        2.83898  (09010420)
        463745.31   3809881.97        3.44221  (10010907)                463783.31
3809881.97        3.42990  (10010907)
        463821.31   3809881.97        3.37121  (10010907)                463859.31
3809881.97        3.28785  (10010907)
        463897.31   3809881.97        3.16879  (10010907)                463935.31
3809881.97        3.22020  (10022820)
        463973.31   3809881.97        3.33970  (10022820)                464011.31
3809881.97        3.42273  (10022820)
        464049.31   3809881.97        3.47794  (10022820)                464087.31
3809881.97        3.49033  (10022820)
        464125.31   3809881.97        3.46004  (10022820)                464163.31
3809881.97        3.37668  (10022820)
        464201.31   3809881.97        3.33215  (09031705)                464239.31
3809881.97        3.26076  (09031705)
        464277.31   3809881.97        3.18995  (09040202)                464315.31
3809881.97        3.17175  (09040202)
        464353.31   3809881.97        3.12025  (09040202)                464391.31
3809881.97        3.05166  (09040202)
        464429.31   3809881.97        2.95959  (09040202)                464467.31
3809881.97        2.84817  (09040202)
        464505.31   3809881.97        2.80848  (09010420)                463745.31
3809911.03        3.37710  (10010907)
        463783.31   3809911.03        3.36758  (10010907)                463821.31
3809911.03        3.32330  (10010907)
        463859.31   3809911.03        3.24308  (10010907)                463897.31
3809911.03        3.13090  (10010907)
        463935.31   3809911.03        3.11871  (10022820)                463973.31
3809911.03        3.23849  (10022820)
        464011.31   3809911.03        3.32821  (10022820)                464049.31
3809911.03        3.39217  (10022820)
        464087.31   3809911.03        3.41307  (10022820)                464125.31
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3I1 ***
                                  INCLUDING SOURCE(S):   L0006139   , L0006140
, L0006141   , L0006142   , L0006143   ,
                L0006144   , L0006145   , L0006146   , L0006147   , L0006148
, L0006149   , L0006150   , L0006151   ,
                L0006152   , L0006153   , L0006154   , L0006155   , L0006156
, L0006157   , L0006158   , L0006159   ,
                L0006160   , L0006161   , L0006162   , L0006163   , L0006164
, L0006165   , L0006166   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464429.31	3809940.09	2.93389	(09040202)	464467.31	3809940.09	2.84211	(09040202)
464505.31	3809940.09	2.73401	(09040202)	463745.31	3809969.15	3.26125	(10010907)
463783.31	3809969.15	3.25224	(10010907)	463821.31	3809969.15	3.22136	(10010907)
463859.31	3809969.15	3.15656	(10010907)	463897.31	3809969.15	3.06214	(10010907)
463935.31	3809969.15	2.94179	(10022820)	463973.31	3809969.15	3.06303	(10022820)
464011.31	3809969.15	3.14811	(10022820)	464049.31	3809969.15	3.21098	(10022820)
464087.31	3809969.15	3.25047	(10022820)	464125.31	3809969.15	3.26012	(10022820)
464163.31	3809969.15	3.23413	(10022820)	464201.31	3809969.15	3.17884	(10022820)
464239.31	3809969.15	3.15543	(09031705)	464277.31	3809969.15	3.09382	(09031705)
464315.31	3809969.15	3.02851	(09040202)	464353.31	3809969.15	3.01865	(09040202)
464391.31	3809969.15	2.97974	(09040202)	464429.31	3809969.15	2.91680	(09040202)
464467.31	3809969.15	2.83147	(09040202)	464505.31	3809969.15	2.73581	(09040202)
463745.31	3809998.21	3.23576	(10010907)	463783.31	3809998.21	3.21452	(10010907)
463821.31	3809998.21	3.17954	(10010907)	463859.31	3809998.21	3.11795	(10010907)
463897.31	3809998.21	3.03052	(10010907)	463935.31	3809998.21	2.91450	(10010907)
463973.31	3809998.21	2.97919	(10022820)	464011.31	3809998.21	3.07140	(10022820)
464049.31	3809998.21	3.13761	(10022820)	464087.31	3809998.21	3.18046	(10022820)
464125.31	3809998.21	3.20208	(10022820)	464163.31	3809998.21	3.18779	(10022820)
464201.31	3809998.21	3.14222	(10022820)	464239.31	3809998.21	3.11017	(09031705)
464277.31	3809998.21	3.06828	(09031705)	464315.31	3809998.21	2.99328	(09031705)
464353.31	3809998.21	2.97846	(09040202)	464391.31	3809998.21	2.94899	(09040202)

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        464429.31   3809998.21        2.89431  (09040202)                464467.31
3809998.21        2.82245  (09040202)
        464505.31   3809998.21        2.73126  (09040202)                463745.31
3810027.27        3.21169  (10010907)
        463783.31   3810027.27        3.18750  (10010907)                463821.31
3810027.27        3.14732  (10010907)
        463859.31   3810027.27        3.08604  (10010907)                463897.31
3810027.27        3.00368  (10010907)
        463935.31   3810027.27        2.88987  (10010907)                463973.31
3810027.27        2.90047  (10022820)
        464011.31   3810027.27        2.99780  (10022820)                464049.31
3810027.27        3.06985  (10022820)
        464087.31   3810027.27        3.11342  (10022820)                464125.31
3810027.27        3.13806  (10022820)
        464163.31   3810027.27        3.13903  (10022820)                464201.31
3810027.27        3.10543  (10022820)
        464239.31   3810027.27        3.05919  (09031705)                464277.31
3810027.27        3.03212  (09031705)
        464315.31   3810027.27        2.97371  (09031705)                464353.31
3810027.27        2.93397  (09040202)
        464391.31   3810027.27        2.91370  (09040202)                464429.31
3810027.27        2.87203  (09040202)
        464467.31   3810027.27        2.80758  (09040202)                464505.31
3810027.27        2.72254  (09040202)
        463745.31   3810056.33        3.19104  (10010907)                463783.31
3810056.33        3.16278  (10010907)
        463821.31   3810056.33        3.11567  (10010907)                463859.31
3810056.33        3.05730  (10010907)
        463897.31   3810056.33        2.97624  (10010907)                463935.31
3810056.33        2.86914  (10010907)
        463973.31   3810056.33        2.82546  (10022820)                464011.31
3810056.33        2.92526  (10022820)
        464049.31   3810056.33        2.99866  (10022820)                464087.31
3810056.33        3.04892  (10022820)
        464125.31   3810056.33        3.07425  (10022820)                464163.31
3810056.33        3.08363  (10022820)
        464201.31   3810056.33        3.06088  (10022820)                464239.31
3810056.33        3.00940  (09031705)
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 670
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK3I1 ***
                                  INCLUDING SOURCE(S):     L0006139    , L0006140
, L0006141    , L0006142    , L0006143    ,
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                L0006144    , L0006145    , L0006146    , L0006147    , L0006148
, L0006149    , L0006150    , L0006151    ,
                L0006152    , L0006153    , L0006154    , L0006155    , L0006156
, L0006157    , L0006158    , L0006159    ,
                L0006160    , L0006161    , L0006162    , L0006163    , L0006164
, L0006165    , L0006166    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464277.31   3810056.33        2.98970  (09031705)               464315.31
3810056.33        2.94508  (09031705)
        464353.31   3810056.33        2.89027  (09040202)               464391.31
3810056.33        2.88199  (09040202)
        464429.31   3810056.33        2.84687  (09040202)               464467.31
3810056.33        2.78735  (09040202)
        464505.31   3810056.33        2.71258  (09040202)               463745.31
3810085.39        3.17045  (10010907)
        463783.31   3810085.39        3.13903  (10010907)               463821.31
3810085.39        3.08905  (10010907)
        463859.31   3810085.39        3.02912  (10010907)               463897.31
3810085.39        2.95064  (10010907)
        463935.31   3810085.39        2.85067  (10010907)               463973.31
3810085.39        2.75318  (10022820)
        464011.31   3810085.39        2.85251  (10022820)               464049.31
3810085.39        2.92499  (10022820)
        464087.31   3810085.39        2.98266  (10022820)               464125.31
3810085.39        3.01481  (10022820)
        464163.31   3810085.39        3.02637  (10022820)               464201.31
3810085.39        3.01169  (10022820)
        464239.31   3810085.39        2.97015  (10022820)               464277.31
3810085.39        2.94615  (09031705)
        464315.31   3810085.39        2.91187  (09031705)               464353.31
3810085.39        2.85211  (09031705)
        464391.31   3810085.39        2.83950  (09040202)               464429.31
3810085.39        2.81291  (09040202)
        464467.31   3810085.39        2.76387  (09040202)               464505.31
3810085.39        2.69549  (09040202)
        463745.31   3810114.45        3.13610  (10010907)               463783.31
3810114.45        3.12296  (10010907)
        463821.31   3810114.45        3.06908  (10010907)               463859.31
3810114.45        3.01334  (10010907)
        463897.31   3810114.45        2.93110  (10010907)               463935.31
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3810114.45        2.83343  (10010907)
        463973.31   3810114.45        2.71717  (10010907)               464011.31
3810114.45        2.78305  (10022820)
        464049.31   3810114.45        2.85776  (10022820)               464087.31
3810114.45        2.91755  (10022820)
        464125.31   3810114.45        2.95192  (10022820)               464163.31
3810114.45        2.96585  (10022820)
        464201.31   3810114.45        2.95781  (10022820)               464239.31
3810114.45        2.93171  (10022820)
        464277.31   3810114.45        2.90030  (09031705)               464315.31
3810114.45        2.87068  (09031705)
        464353.31   3810114.45        2.81602  (09031705)               464391.31
3810114.45        2.77909  (09040202)
        464429.31   3810114.45        2.76948  (09040202)               464467.31
3810114.45        2.72886  (09040202)
        464505.31   3810114.45        2.67538  (09040202)               463745.31
3810143.51        3.08571  (10010907)
        463783.31   3810143.51        3.09160  (10010907)               463821.31
3810143.51        3.06246  (10010907)
        463859.31   3810143.51        3.00397  (10010907)               463897.31
3810143.51        2.91105  (10010907)
        463935.31   3810143.51        2.81140  (10010907)               463973.31
3810143.51        2.69494  (10010907)
        464011.31   3810143.51        2.71512  (10022820)               464049.31
3810143.51        2.79306  (10022820)
        464087.31   3810143.51        2.85018  (10022820)               464125.31
3810143.51        2.89021  (10022820)
        464163.31   3810143.51        2.91021  (10022820)               464201.31
3810143.51        2.90721  (10022820)
        464239.31   3810143.51        2.88443  (10022820)               464277.31
3810143.51        2.85032  (09031705)
        464315.31   3810143.51        2.83027  (09031705)               464353.31
3810143.51        2.77780  (09031705)
        464391.31   3810143.51        2.72266  (09040202)               464429.31
3810143.51        2.71961  (09040202)
        464467.31   3810143.51        2.69704  (09040202)               464505.31
3810143.51        2.65344  (09040202)
        464383.78   3807479.29        4.03921  (09120320)               464355.03
3807405.24        4.12404  (10020118)
        464402.07   3807352.10        4.05732  (10020118)               464367.23
3807296.35        4.16761  (10020118)
        464358.52   3807237.99        4.37864  (09030119)               464385.52
3807161.33        4.17843  (09030119)
        463132.27   3810926.37        2.23897  (09011307)               463237.82
3811199.31        1.96545  (09031206)
        464944.35   3809244.89        2.46277  (09022206)               465700.32
3809255.46        1.92168  (10012420)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK3I1 ***
INCLUDING SOURCE(S): L0006139 , L0006140 , L0006141 , L0006142 , L0006143 , L0006144 , L0006145 , L0006146 , L0006147 , L0006148 , L0006149 , L0006150 , L0006151 , L0006152 , L0006153 , L0006154 , L0006155 , L0006156 , L0006157 , L0006158 , L0006159 , L0006160 , L0006161 , L0006162 , L0006163 , L0006164 , L0006165 , L0006166 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465716.18	3808536.49	2.00810	(10021420)	465544.37	3808533.85	2.12793	(10021420)
465420.13	3808486.27	2.23000	(10021420)	465348.77	3808491.56	2.26870	(10021420)
465317.05	3808443.98	2.32215	(10021420)	465327.62	3808406.97	2.33708	(10021420)
465108.23	3808369.97	2.58206	(10021420)	464999.86	3808301.24	2.73009	(10021420)
464722.31	3807973.48	3.28915	(10021420)	464717.03	3807836.03	3.33389	(10021420)
464344.33	3807936.47	4.48402	(10031906)	464349.61	3807780.52	4.21553	(10021420)
464386.62	3807785.81	4.08177	(10021420)	464521.43	3807859.82	3.67350	(10021420)
464537.28	3807719.72	3.74159	(10021420)	464426.27	3807613.99	3.99655	(10021420)
464368.43	3807532.62	4.12302	(09120320)	464324.60	3807121.91	4.78016	(09030119)
464123.31	3807123.54	4.95195	(10020118)	463930.13	3806909.26	11.14171	(09011918)
463831.11	3806906.01	11.19335	(09120417)	463821.36	3806720.95	13.17679	(09120417)
463727.21	3806727.44	12.40568	(09120417)	463598.97	3806334.59	15.77757	(09123118)

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S):   L0005092   , L0005093 , L0005094   , L0005095   , L0005096   ,
L0005097   , L0005098   , L0005099   , L0005100   , L0005101 , L0005102   , L0005103   , L0005104   ,
L0005105   , L0005106   , L0005107   , L0005108   , L0005109 , L0005110   , L0005111   , L0005112   ,
L0005113   , L0005114   , L0005115   , L0005116   , L0005117 , L0005118   , L0005119   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3   **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
462160.55	3809377.75	6.45770	(09021807)	462051.48	3809270.62	6.15396	(09031106)
462014.47	3809029.10	7.49104	(09022407)	462010.58	3808855.75	6.14468	(09022407)
461936.56	3808886.92	5.75403	(09022407)	461936.56	3808997.94	6.79893	(09022407)
461909.30	3808768.10	8.89283	(10042219)	461835.28	3808894.71	4.87120	(09022407)
461845.02	3808995.99	6.00377	(09022407)	461833.33	3809114.80	6.37329	(09022407)
461843.07	3809210.24	6.08240	(09022407)	461809.96	3809297.89	5.37611	(09022407)
461856.71	3809385.54	5.19956	(09031106)	461841.13	3809482.92	4.72802	(09031106)
462004.74	3809379.69	5.40866	(09031106)	461763.22	3808793.43	8.04813	(10042219)
461753.48	3808699.93	6.51253	(10042219)	461835.28	3808686.30	7.36501	(10042219)
461823.60	3808579.17	4.75746	(10042219)	461761.27			

3808585.02 4.34647 (10042219)
  462301.19 3807807.15 28.22991 (10021207) 462304.78
3807868.16 20.52572 (10021207)
  462216.84 3807882.52 13.79579 (09020119) 462116.34
3807886.11 14.44619 (09020119)
  462114.55 3807789.20 15.64153 (10021207) 462012.25
3807887.90 14.54012 (09020119)
  462008.66 3807975.84 15.97440 (09020119) 461917.14
3807972.25 14.82656 (09020119)
  461922.52 3808187.60 26.83534 (10021620) 461908.17
3808288.10 18.65590 (10021620)
  461848.94 3808377.83 11.41498 (09021520) 461831.00
3808494.48 6.93824 (09021520)
  462421.43 3808393.98 16.13244 (09021520) 462459.11
3808501.66 8.22428 (10042219)
  462437.58 3808580.62 8.20864 (10042219) 462654.73
3809189.00 9.95797 (10050705)
  462559.49 3809194.32 9.51162 (10050705) 465763.86
3807935.19 3.20926 (09010519)
  465819.84 3807935.19 3.11087 (09010519) 465875.82
3807935.19 3.01574 (09010519)
  465931.80 3807935.19 2.92520 (09010519) 465987.78
3807935.19 2.83794 (09010519)
  466043.76 3807935.19 2.75417 (09010519) 466099.74
3807935.19 2.67375 (09010519)
  466155.72 3807935.19 2.59653 (09010519) 466211.70
3807935.19 2.52231 (09010519)
  466267.68 3807935.19 2.45119 (09010519) 466323.66
3807935.19 2.38117 (09010519)
  466379.64 3807935.19 2.31589 (09010519) 466435.62
3807935.19 2.25312 (09010519)
  466491.60 3807935.19 2.19280 (09010519) 466547.58
3807935.19 2.13054 (09010519)
  466603.56 3807935.19 2.07403 (09010519) 466659.54
3807935.19 2.01968 (09010519)
  466715.52 3807935.19 1.96749 (09010519) 466771.50
3807935.19 1.91677 (09010519)
  466827.48 3807935.19 1.86631 (09010519) 466883.46
3807935.19 1.81910 (09010519)
  465763.86 3808001.41 3.30669 (09010519) 465819.84
3808001.41 3.19571 (09010519)
  465875.82 3808001.41 3.08927 (09010519) 465931.80
3808001.41 2.98783 (09010519)
  465987.78 3808001.41 2.89372 (09010519) 466043.76
3808001.41 2.79891 (09010519)
  466099.74 3808001.41 2.71526 (09010519) 466155.72
3808001.41 2.63144 (09010519)
  466211.70 3808001.41 2.55182 (09010519) 466267.68
3808001.41 2.47509 (09010519)
  466323.66 3808001.41 2.40124 (09010519) 466379.64

3808001.41   2.33063 (09010519)
        466435.62   3808001.41   2.26301 (09010519)   466491.60
3808001.41   2.20452 (10032206)
        466547.58   3808001.41   2.14969 (10032206)   466603.56
3808001.41   2.09862 (10032206)
        466659.54   3808001.41   2.04946 (10032206)   466715.52
3808001.41   1.99759 (10032206)
        466771.50   3808001.41   1.95187 (10032206)   466827.48
3808001.41   1.90727 (10032206)
        466883.46   3808001.41   1.86252 (10032206)   465763.86
3808067.63   3.34084 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
                                  INCLUDING SOURCE(S):   L0005092   , L0005093 , L0005094   , L0005095   , L0005096   ,
                 L0005097   , L0005098   , L0005099   , L0005100   , L0005101 , L0005102   , L0005103   , L0005104   ,
                 L0005105   , L0005106   , L0005107   , L0005108   , L0005109 , L0005110   , L0005111   , L0005112   ,
                 L0005113   , L0005114   , L0005115   , L0005116   , L0005117 , L0005118   , L0005119   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465819.84   3808067.63   3.22915 (10032206)   465875.82 3808067.63   3.12971 (10032206)
        465931.80   3808067.63   3.03480 (10032206)   465987.78 3808067.63   2.94431 (10032206)
        466043.76   3808067.63   2.85791 (10032206)   466099.74 3808067.63   2.77536 (10032206)
        466155.72   3808067.63   2.69665 (10032206)   466211.70 3808067.63   2.62085 (10032206)
        466267.68   3808067.63   2.54843 (10032206)   466323.66 3808067.63   2.47834 (10032206)

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        466379.64   3808067.63        2.41117  (10032206)               466435.62
3808067.63        2.34961  (10032206)
        466491.60   3808067.63        2.28499  (10032206)               466547.58
3808067.63        2.22564  (10032206)
        466603.56   3808067.63        2.16869  (10032206)               466659.54
3808067.63        2.11408  (10032206)
        466715.52   3808067.63        2.06219  (10032206)               466771.50
3808067.63        2.01221  (10032206)
        466827.48   3808067.63        1.96212  (10032206)               466883.46
3808067.63        1.91294  (10032206)
        465763.86   3808133.85        3.48245  (10032206)               465819.84
3808133.85        3.36378  (10032206)
        465875.82   3808133.85        3.25200  (10032206)               465931.80
3808133.85        3.14598  (10032206)
        465987.78   3808133.85        3.04999  (10032206)               466043.76
3808133.85        2.95364  (10032206)
        466099.74   3808133.85        2.86208  (10032206)               466155.72
3808133.85        2.77485  (10032206)
        466211.70   3808133.85        2.69176  (10032206)               466267.68
3808133.85        2.61281  (10032206)
        466323.66   3808133.85        2.53769  (10032206)               466379.64
3808133.85        2.46655  (10032206)
        466435.62   3808133.85        2.39814  (10032206)               466491.60
3808133.85        2.33278  (10032206)
        466547.58   3808133.85        2.26897  (10032206)               466603.56
3808133.85        2.20883  (10032206)
        466659.54   3808133.85        2.15118  (10032206)               466715.52
3808133.85        2.09550  (10032206)
        466771.50   3808133.85        2.03916  (10032206)               466827.48
3808133.85        1.98847  (10032206)
        466883.46   3808133.85        1.93908  (10032206)               465763.86
3808200.07        3.54730  (10032206)
        465819.84   3808200.07        3.42059  (10032206)               465875.82
3808200.07        3.30111  (10032206)
        465931.80   3808200.07        3.19298  (10032206)               465987.78
3808200.07        3.08592  (10032206)
        466043.76   3808200.07        2.98462  (10032206)               466099.74
3808200.07        2.88847  (10032206)
        466155.72   3808200.07        2.79722  (10032206)               466211.70
3808200.07        2.71051  (10032206)
        466267.68   3808200.07        2.62812  (10032206)               466323.66
3808200.07        2.55341  (10032206)
        466379.64   3808200.07        2.47855  (10032206)               466435.62
3808200.07        2.40710  (10032206)
        466491.60   3808200.07        2.33890  (10032206)               466547.58
3808200.07        2.27375  (10032206)
        466603.56   3808200.07        2.21146  (10032206)               466659.54
3808200.07        2.15187  (10032206)
        466715.52   3808200.07        2.09493  (10032206)               466771.50
3808200.07        2.03949  (10032206)
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        466827.48   3808200.07        1.98533  (10032206)               466883.46
3808200.07        1.93511  (10032206)
        465763.86   3808266.29        3.51705  (10032206)               465819.84
3808266.29        3.39447  (10032206)
        465875.82   3808266.29        3.27644  (10032206)               465931.80
3808266.29        3.16199  (10032206)
        465987.78   3808266.29        3.05391  (10032206)               466043.76
3808266.29        2.95172  (10032206)
        466099.74   3808266.29        2.85498  (10032206)               466155.72
3808266.29        2.76330  (10032206)
        466211.70   3808266.29        2.67662  (10032206)               466267.68
3808266.29        2.59615  (10032206)
        466323.66   3808266.29        2.51751  (10032206)               466379.64
3808266.29        2.44571  (10032206)
        466435.62   3808266.29        2.37477  (10032206)               466491.60
3808266.29        2.30507  (10032206)
        466547.58   3808266.29        2.23957  (10032206)               466603.56
3808266.29        2.17703  (10032206)
        466659.54   3808266.29        2.11925  (10032206)               466715.52
3808266.29        2.06087  (10032206)
♠ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 674
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                  L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                  L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                  L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        466771.50   3808266.29        2.00689  (10032206)               466827.48
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3808266.29        1.95367  (10032206)
        466883.46   3808266.29        1.90361  (10032206)                465763.86
3808332.51        3.40351  (10032206)
        465819.84   3808332.51        3.28820  (10032206)                465875.82
3808332.51        3.17084  (10032206)
        465931.80   3808332.51        3.06021  (10032206)                465987.78
3808332.51        2.95578  (10032206)
        466043.76   3808332.51        2.85697  (10032206)                466099.74
3808332.51        2.76355  (10032206)
        466155.72   3808332.51        2.67638  (10032206)                466211.70
3808332.51        2.59236  (10032206)
        466267.68   3808332.51        2.51220  (10032206)                466323.66
3808332.51        2.44125  (10032206)
        466379.64   3808332.51        2.36837  (10032206)                466435.62
3808332.51        2.29883  (10032206)
        466491.60   3808332.51        2.23254  (10032206)                466547.58
3808332.51        2.16924  (10032206)
        466603.56   3808332.51        2.11343  (10032206)                466659.54
3808332.51        2.05615  (10032206)
        466715.52   3808332.51        2.00070  (10032206)                466771.50
3808332.51        1.94422  (10032206)
        466827.48   3808332.51        1.89406  (10032206)                466883.46
3808332.51        1.84577  (10032206)
        465763.86   3808398.73        3.21237  (10032206)                465819.84
3808398.73        3.10545  (10032206)
        465875.82   3808398.73        2.99697  (10032206)                465931.80
3808398.73        2.89512  (10032206)
        465987.78   3808398.73        2.79834  (10032206)                466043.76
3808398.73        2.70668  (10032206)
        466099.74   3808398.73        2.62272  (10032206)                466155.72
3808398.73        2.53941  (10032206)
        466211.70   3808398.73        2.46039  (10032206)                466267.68
3808398.73        2.39172  (10032206)
        466323.66   3808398.73        2.32001  (10032206)                466379.64
3808398.73        2.25212  (10032206)
        466435.62   3808398.73        2.18971  (10032206)                466491.60
3808398.73        2.12827  (10032206)
        466547.58   3808398.73        2.06955  (10032206)                466603.56
3808398.73        2.01388  (10032206)
        466659.54   3808398.73        1.96017  (10032206)                466715.52
3808398.73        1.90775  (10032206)
        466771.50   3808398.73        1.85828  (10032206)                466827.48
3808398.73        1.81026  (10032206)
        466883.46   3808398.73        1.76450  (10032206)                465763.86
3808464.95        3.40427  (09031319)
        465819.84   3808464.95        3.26548  (09031319)                465875.82
3808464.95        3.12821  (09031319)
        465931.80   3808464.95        3.00108  (09031319)                465987.78
3808464.95        2.88208  (09031319)
        466043.76   3808464.95        2.77236  (09031319)                466099.74
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3808464.95        2.66428  (09031319)
        466155.72   3808464.95        2.56225  (09031319)                466211.70
3808464.95        2.46600  (09031319)
        466267.68   3808464.95        2.37979  (09031319)                466323.66
3808464.95        2.29323  (09031319)
        466379.64   3808464.95        2.21403  (09031319)                466435.62
3808464.95        2.13648  (09031319)
        466491.60   3808464.95        2.06554  (09031319)                466547.58
3808464.95        1.99502  (09031319)
        466603.56   3808464.95        1.92801  (09031319)                466659.54
3808464.95        1.86428  (09031319)
        466715.52   3808464.95        1.80377  (09031319)                466771.50
3808464.95        1.74795  (10032206)
        466827.48   3808464.95        1.70472  (10032206)                466883.46
3808464.95        1.66325  (10032206)
        465763.86   3808531.17        3.68590  (09031319)                465819.84
3808531.17        3.53379  (09031319)
        465875.82   3808531.17        3.39051  (09031319)                465931.80
3808531.17        3.25530  (09031319)
        465987.78   3808531.17        3.13287  (09031319)                466043.76
3808531.17        3.01438  (09031319)
        466099.74   3808531.17        2.90262  (09031319)                466155.72
3808531.17        2.79429  (09031319)
        466211.70   3808531.17        2.69199  (09031319)                466267.68
3808531.17        2.59850  (09031319)
        466323.66   3808531.17        2.50903  (09031319)                466379.64
3808531.17        2.42183  (09031319)
        466435.62   3808531.17        2.34171  (09031319)                466491.60
3808531.17        2.26197  (09031319)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 675
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466547.58	3808531.17	2.18612	(09031319)	466603.56	3808531.17	2.11386	(09031319)
466659.54	3808531.17	2.04491	(09031319)	466715.52	3808531.17	1.97959	(09031319)
466771.50	3808531.17	1.91646	(09031319)	466827.48	3808531.17	1.85758	(09031319)
466883.46	3808531.17	1.80061	(09031319)	465763.86	3808597.39	3.83453	(09031319)
465819.84	3808597.39	3.69541	(09031319)	465875.82	3808597.39	3.55425	(09031319)
465931.80	3808597.39	3.41444	(09031319)	465987.78	3808597.39	3.29325	(09031319)
466043.76	3808597.39	3.17947	(09031319)	466099.74	3808597.39	3.06546	(09031319)
466155.72	3808597.39	2.95825	(09031319)	466211.70	3808597.39	2.85662	(09031319)
466267.68	3808597.39	2.75789	(09031319)	466323.66	3808597.39	2.66876	(09031319)
466379.64	3808597.39	2.58258	(09031319)	466435.62	3808597.39	2.49703	(09031319)
466491.60	3808597.39	2.41731	(09031319)	466547.58	3808597.39	2.34008	(09031319)
466603.56	3808597.39	2.26506	(09031319)	466659.54	3808597.39	2.19334	(09031319)
466715.52	3808597.39	2.12513	(09031319)	466771.50	3808597.39	2.05978	(09031319)
466827.48	3808597.39	1.99721	(09031319)	466883.46	3808597.39	1.93908	(09031319)
465763.86	3808663.61	3.84117	(09031319)	465819.84	3808663.61	3.71935	(09031319)
465875.82	3808663.61	3.59271	(09031319)	465931.80	3808663.61	3.47152	(09031319)
465987.78	3808663.61	3.35587	(09031319)	466043.76	3808663.61	3.24455	(09031319)
466099.74	3808663.61	3.14086	(09031319)	466155.72	3808663.61	3.03800	(09031319)
466211.70	3808663.61	2.93891	(09031319)	466267.68	3808663.61	2.84453	(09031319)
466323.66	3808663.61	2.76096	(09031319)	466379.64	3808663.61	2.67400	(09031319)
466435.62	3808663.61	2.59725	(09031319)	466491.60	3808663.61	2.51689	(09031319)

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        466547.58   3808663.61        2.43951  (09031319)               466603.56
3808663.61        2.36534  (09031319)
        466659.54   3808663.61        2.29416  (09031319)               466715.52
3808663.61        2.22648  (09031319)
        466771.50   3808663.61        2.16145  (09031319)               466827.48
3808663.61        2.10222  (09031319)
        466883.46   3808663.61        2.04162  (09031319)               465763.86
3808729.83        3.98507  (09010419)
        465819.84   3808729.83        3.81287  (09010419)               465875.82
3808729.83        3.63645  (09010419)
        465931.80   3808729.83        3.46616  (09010419)               465987.78
3808729.83        3.30926  (09031319)
        466043.76   3808729.83        3.21148  (09031319)               466099.74
3808729.83        3.11696  (09031319)
        466155.72   3808729.83        3.02575  (09031319)               466211.70
3808729.83        2.93710  (09031319)
        466267.68   3808729.83        2.85219  (09031319)               466323.66
3808729.83        2.77687  (09031319)
        466379.64   3808729.83        2.70014  (09031319)               466435.62
3808729.83        2.62368  (09031319)
        466491.60   3808729.83        2.55302  (09031319)               466547.58
3808729.83        2.48085  (09031319)
        466603.56   3808729.83        2.41127  (09031319)               466659.54
3808729.83        2.35000  (09031319)
        466715.52   3808729.83        2.28489  (09031319)               466771.50
3808729.83        2.22257  (09031319)
        466827.48   3808729.83        2.16400  (09031319)               466883.46
3808729.83        2.10595  (09031319)
        465763.86   3808796.05        4.15610  (09010419)               465819.84
3808796.05        4.01284  (09010419)
        465875.82   3808796.05        3.84059  (09010419)               465931.80
3808796.05        3.68361  (09010419)
        465987.78   3808796.05        3.53101  (09010419)               466043.76
3808796.05        3.38556  (09010419)
        466099.74   3808796.05        3.24606  (09010419)               466155.72
3808796.05        3.11240  (09010419)
        466211.70   3808796.05        2.98442  (09010419)               466267.68
3808796.05        2.86179  (09010419)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 676
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
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                 L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                 L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                 L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        466323.66   3808796.05        2.74651  (09010419)               466379.64
3808796.05        2.65217  (09031319)
        466435.62   3808796.05        2.58987  (09031319)               466491.60
3808796.05        2.52466  (09031319)
        466547.58   3808796.05        2.46184  (09031319)               466603.56
3808796.05        2.40399  (09031319)
        466659.54   3808796.05        2.34408  (09031319)               466715.52
3808796.05        2.28737  (09031319)
        466771.50   3808796.05        2.23133  (09031319)               466827.48
3808796.05        2.17621  (09031319)
        466883.46   3808796.05        2.12558  (09031319)               465763.86
3808862.27        4.14734  (09010419)
        465819.84   3808862.27        4.02721  (09010419)               465875.82
3808862.27        3.90276  (09010419)
        465931.80   3808862.27        3.76744  (09010419)               465987.78
3808862.27        3.63438  (09010419)
        466043.76   3808862.27        3.50442  (09010419)               466099.74
3808862.27        3.38193  (09010419)
        466155.72   3808862.27        3.25505  (09010419)               466211.70
3808862.27        3.13603  (09010419)
        466267.68   3808862.27        3.02555  (09010419)               466323.66
3808862.27        2.91422  (09010419)
        466379.64   3808862.27        2.80899  (09010419)               466435.62
3808862.27        2.70649  (09010419)
        466491.60   3808862.27        2.60779  (09010419)               466547.58
3808862.27        2.51310  (09010419)
        466603.56   3808862.27        2.41990  (09010419)               466659.54
3808862.27        2.33388  (09010419)
        466715.52   3808862.27        2.24754  (09010419)               466771.50
3808862.27        2.18991  (09031319)
        466827.48   3808862.27        2.14408  (09031319)               466883.46
3808862.27        2.09863  (09031319)
        465763.86   3808928.49        4.02130  (09120320)               465819.84
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3808928.49        3.87908  (09010419)
        465875.82   3808928.49        3.79787  (09010419)                465931.80
3808928.49        3.70676  (09010419)
        465987.78   3808928.49        3.61090  (09010419)                466043.76
3808928.49        3.51507  (09010419)
        466099.74   3808928.49        3.40526  (09010419)                466155.72
3808928.49        3.30183  (09010419)
        466211.70   3808928.49        3.19995  (09010419)                466267.68
3808928.49        3.09889  (09010419)
        466323.66   3808928.49        2.99935  (09010419)                466379.64
3808928.49        2.90205  (09010419)
        466435.62   3808928.49        2.81124  (09010419)                466491.60
3808928.49        2.72137  (09010419)
        466547.58   3808928.49        2.63211  (09010419)                466603.56
3808928.49        2.54936  (09010419)
        466659.54   3808928.49        2.46410  (09010419)                466715.52
3808928.49        2.38330  (09010419)
        466771.50   3808928.49        2.30314  (09010419)                466827.48
3808928.49        2.22838  (09010419)
        466883.46   3808928.49        2.15341  (09010419)                465763.86
3808994.71        4.01055  (09120320)
        465819.84   3808994.71        3.88472  (09120320)                465875.82
3808994.71        3.76942  (09120320)
        465931.80   3808994.71        3.66134  (09120320)                465987.78
3808994.71        3.55370  (09120320)
        466043.76   3808994.71        3.42830  (09120320)                466099.74
3808994.71        3.32233  (09010419)
        466155.72   3808994.71        3.23962  (09010419)                466211.70
3808994.71        3.16038  (09010419)
        466267.68   3808994.71        3.07984  (09010419)                466323.66
3808994.71        2.99925  (09010419)
        466379.64   3808994.71        2.91874  (09010419)                466435.62
3808994.71        2.83879  (09010419)
        466491.60   3808994.71        2.76275  (09010419)                466547.58
3808994.71        2.68946  (09010419)
        466603.56   3808994.71        2.61296  (09010419)                466659.54
3808994.71        2.53621  (09010419)
        466715.52   3808994.71        2.46736  (09010419)                466771.50
3808994.71        2.39296  (09010419)
        466827.48   3808994.71        2.32036  (09010419)                466883.46
3808994.71        2.25293  (09010419)
        465763.86   3809060.93        3.86745  (09120320)                465819.84
3809060.93        3.78153  (09120320)
        465875.82   3809060.93        3.69957  (09120320)                465931.80
3809060.93        3.61496  (09120320)
        465987.78   3809060.93        3.52650  (09120320)                466043.76
3809060.93        3.43430  (09120320)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 , L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 , L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 , L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466099.74	3809060.93	3.32554	(09120320)	466155.72	3809060.93	3.22369	(09120320)
466211.70	3809060.93	3.11888	(09120320)	466267.68	3809060.93	3.01694	(09120320)
466323.66	3809060.93	2.91528	(09120320)	466379.64	3809060.93	2.85060	(09010419)
466435.62	3809060.93	2.79354	(09010419)	466491.60	3809060.93	2.73404	(09010419)
466547.58	3809060.93	2.67050	(09010419)	466603.56	3809060.93	2.60885	(09010419)
466659.54	3809060.93	2.55056	(09010419)	466715.52	3809060.93	2.48612	(09010419)
466771.50	3809060.93	2.42282	(09010419)	466827.48	3809060.93	2.36159	(09010419)
466883.46	3809060.93	2.30187	(09010419)	465763.86	3809127.15	3.69586	(10021420)
465819.84	3809127.15	3.57234	(09120320)	465875.82	3809127.15	3.52612	(09120320)
465931.80	3809127.15	3.46929	(09120320)	465987.78	3809127.15	3.40717	(09120320)
466043.76	3809127.15	3.32825	(09120320)	466099.74	3809127.15	3.24674	(09120320)
466155.72	3809127.15	3.16820	(09120320)	466211.70	3809127.15	3.10133	(09120320)

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        466267.68   3809127.15        3.02477  (09120320)              466323.66
3809127.15        2.94356  (09120320)
        466379.64   3809127.15        2.85840  (09120320)              466435.62
3809127.15        2.77575  (09120320)
        466491.60   3809127.15        2.69322  (09120320)              466547.58
3809127.15        2.61174  (09120320)
        466603.56   3809127.15        2.54363  (09010419)              466659.54
3809127.15        2.49450  (09010419)
        466715.52   3809127.15        2.44646  (09010419)              466771.50
3809127.15        2.39703  (09010419)
        466827.48   3809127.15        2.34601  (09010419)              466883.46
3809127.15        2.29774  (09010419)
        465763.86   3809193.37        3.88213  (10021420)              465819.84
3809193.37        3.71074  (10021420)
        465875.82   3809193.37        3.53118  (10021420)              465931.80
3809193.37        3.34992  (10021420)
        465987.78   3809193.37        3.18512  (09120320)              466043.76
3809193.37        3.12266  (09120320)
        466099.74   3809193.37        3.08458  (09120320)              466155.72
3809193.37        3.03597  (09120320)
        466211.70   3809193.37        2.99144  (09120320)              466267.68
3809193.37        2.94257  (09120320)
        466323.66   3809193.37        2.88681  (09120320)              466379.64
3809193.37        2.82696  (09120320)
        466435.62   3809193.37        2.76088  (09120320)              466491.60
3809193.37        2.69511  (09120320)
        466547.58   3809193.37        2.62827  (09120320)              466603.56
3809193.37        2.56285  (09120320)
        466659.54   3809193.37        2.49270  (09120320)              466715.52
3809193.37        2.42571  (09120320)
        466771.50   3809193.37        2.35572  (09120320)              466827.48
3809193.37        2.28842  (09120320)
        466883.46   3809193.37        2.24287  (09010419)              465763.86
3809259.59        3.93276  (10021420)
        465819.84   3809259.59        3.79719  (10021420)              465875.82
3809259.59        3.64810  (10021420)
        465931.80   3809259.59        3.49544  (10021420)              465987.78
3809259.59        3.32773  (10021420)
        466043.76   3809259.59        3.16125  (10021420)              466099.74
3809259.59        3.00168  (10021420)
        466155.72   3809259.59        2.86039  (10021420)              466211.70
3809259.59        2.81916  (09120320)
        466267.68   3809259.59        2.79492  (09120320)              466323.66
3809259.59        2.75716  (09120320)
        466379.64   3809259.59        2.71874  (09120320)              466435.62
3809259.59        2.67719  (09120320)
        466491.60   3809259.59        2.62928  (09120320)              466547.58
3809259.59        2.58309  (09120320)
        466603.56   3809259.59        2.53085  (09120320)              466659.54
3809259.59        2.47706  (09120320)
```

3807141.91 4.99879 (09030119)
464863.41 3807141.91 4.99400 (09030119) 464883.41
3807141.91 4.88272 (09030119)
464903.41 3807141.91 4.85964 (09030119) 464923.41
3807141.91 4.83001 (09030119)
464503.41 3807161.91 10.43036 (09011918) 464523.41
3807161.91 9.24559 (09011918)
464543.41 3807161.91 8.53788 (09122717) 464563.41
3807161.91 8.00779 (09122717)
464583.41 3807161.91 8.30531 (09030119) 464603.41
3807161.91 8.58946 (09030119)
464623.41 3807161.91 8.81773 (09030119) 464643.41
3807161.91 9.14111 (09030119)
464663.41 3807161.91 9.26760 (09030119) 464683.41
3807161.91 9.27034 (09030119)
464703.41 3807161.91 9.45953 (09030119) 464723.41
3807161.91 6.25321 (09030119)
464743.41 3807161.91 6.27357 (09030119) 464763.41
3807161.91 6.09814 (09030119)
464783.41 3807161.91 6.15352 (09030119) 464803.41
3807161.91 6.21853 (09030119)
464823.41 3807161.91 5.60902 (09030119) 464843.41
3807161.91 5.11279 (09030119)
464863.41 3807161.91 4.99661 (09030119) 464883.41
3807161.91 4.97156 (09030119)
464903.41 3807161.91 4.93905 (09030119) 464923.41
3807161.91 4.89996 (09030119)
464503.41 3807181.91 9.74181 (09011918) 464523.41
3807181.91 8.85623 (09122717)
464543.41 3807181.91 8.26077 (09122717) 464563.41
3807181.91 8.54572 (09030119)
464583.41 3807181.91 8.93740 (09030119) 464603.41
3807181.91 9.19751 (09030119)
464623.41 3807181.91 9.35939 (09030119) 464643.41
3807181.91 9.70657 (09030119)
464663.41 3807181.91 9.77360 (09030119) 464683.41
3807181.91 6.26039 (09030119)
464703.41 3807181.91 6.41167 (09030119) 464723.41
3807181.91 6.41382 (09030119)
464743.41 3807181.91 6.37158 (09030119) 464763.41
3807181.91 6.19502 (09030119)
464783.41 3807181.91 5.24319 (09030119) 464803.41
3807181.91 5.24304 (09030119)
464823.41 3807181.91 5.13674 (09030119) 464843.41
3807181.91 5.11575 (09030119)
464863.41 3807181.91 5.08723 (09030119) 464883.41
3807181.91 5.05213 (09030119)
464903.41 3807181.91 5.01032 (09030119) 464923.41
3807181.91 4.97243 (09031219)
464503.41 3807201.91 9.14451 (09122717) 464523.41

3807201.91   8.60065 (09122717)
        464543.41   3807201.91   8.78034 (09030119)   464563.41
3807201.91   9.12901 (09030119)
        464583.41   3807201.91   9.53603 (09030119)   464603.41
3807201.91   9.79449 (09030119)
        464623.41   3807201.91   9.94800 (09030119)   464643.41
3807201.91   10.20629 (09030119)
        464663.41   3807201.91   10.24001 (09030119)   464683.41
3807201.91   6.57412 (09030119)
        464703.41   3807201.91   6.59179 (09030119)   464723.41
3807201.91   6.53876 (09030119)
        464743.41   3807201.91   5.36642 (09030119)   464763.41
3807201.91   5.37444 (09030119)
        464783.41   3807201.91   5.27682 (09030119)   464803.41
3807201.91   5.26171 (09030119)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
                                  INCLUDING SOURCE(S):   L0005092   , L0005093 , L0005094   , L0005095   , L0005096   ,
                 L0005097   , L0005098   , L0005099   , L0005100   , L0005101 , L0005102   , L0005103   , L0005104   ,
                 L0005105   , L0005106   , L0005107   , L0005108   , L0005109 , L0005110   , L0005111   , L0005112   ,
                 L0005113   , L0005114   , L0005115   , L0005116   , L0005117 , L0005118   , L0005119   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464823.41   3807201.91   5.23916 (09030119)   464843.41
3807201.91   5.20833 (09030119)
        464863.41   3807201.91   5.16990 (09030119)   464883.41
3807201.91   5.12438 (09030119)
        464903.41   3807201.91   5.11613 (09031219)   464923.41
3807201.91   5.17028 (09031219)

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        464503.41   3807221.91        8.90811  (09122717)               464523.41
3807221.91        9.07836  (09030119)
        464543.41   3807221.91        9.50979  (09030119)               464563.41
3807221.91        9.79952  (09030119)
        464583.41   3807221.91        9.99775  (09030119)               464603.41
3807221.91       10.25719  (09030119)
        464623.41   3807221.91       10.50586  (09030119)               464643.41
3807221.91       10.42744  (09030119)
        464663.41   3807221.91       10.48895  (09030119)               464683.41
3807221.91        6.77150  (09030119)
        464703.41   3807221.91        6.58064  (09030119)               464723.41
3807221.91        6.51387  (09030119)
        464743.41   3807221.91        5.51107  (09030119)               464763.41
3807221.91        5.50853  (09030119)
        464783.41   3807221.91        5.39210  (09030119)               464803.41
3807221.91        5.36694  (09030119)
        464823.41   3807221.91        5.33294  (09030119)               464843.41
3807221.91        5.29187  (09030119)
        464863.41   3807221.91        5.24360  (09030119)               464883.41
3807221.91        5.26599  (09031219)
        464903.41   3807221.91        5.31861  (09031219)               464923.41
3807221.91        5.36200  (09031219)
        464503.41   3807241.91        9.29754  (09030119)               464523.41
3807241.91        9.76498  (09030119)
        464543.41   3807241.91       10.17739  (09030119)               464563.41
3807241.91       10.50864  (09030119)
        464583.41   3807241.91       10.61068  (09030119)               464603.41
3807241.91       10.84819  (09030119)
        464623.41   3807241.91       11.10100  (09030119)               464643.41
3807241.91       10.88948  (09030119)
        464663.41   3807241.91        6.93118  (09030119)               464683.41
3807241.91        6.88476  (09030119)
        464703.41   3807241.91        6.69073  (09030119)               464723.41
3807241.91        5.65338  (09030119)
        464743.41   3807241.91        5.64835  (09030119)               464763.41
3807241.91        5.52757  (09030119)
        464783.41   3807241.91        5.49937  (09030119)               464803.41
3807241.91        5.46274  (09030119)
        464823.41   3807241.91        5.41819  (09030119)               464843.41
3807241.91        5.36610  (09030119)
        464863.41   3807241.91        5.42171  (09031219)               464883.41
3807241.91        5.47297  (09031219)
        464903.41   3807241.91        5.51467  (09031219)               464923.41
3807241.91        5.54662  (09031219)
        464503.41   3807261.91       10.09287  (09030119)               464523.41
3807261.91       10.43505  (09030119)
        464543.41   3807261.91       10.83732  (09030119)               464563.41
3807261.91       11.23698  (09030119)
        464583.41   3807261.91       11.27673  (09030119)               464603.41
3807261.91       11.41795  (09030119)
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        464623.41   3807261.91       11.56640  (09030119)                464643.41
3807261.91       11.38051  (09030119)
        464663.41   3807261.91        7.09270  (09030119)                464683.41
3807261.91        5.79762  (09030119)
        464703.41   3807261.91        5.80170  (09030119)                464723.41
3807261.91        5.69047  (09030119)
        464743.41   3807261.91        5.66824  (09030119)                464763.41
3807261.91        5.63756  (09030119)
        464783.41   3807261.91        5.59753  (09030119)                464803.41
3807261.91        5.54911  (09030119)
        464823.41   3807261.91        5.52325  (09031219)                464843.41
3807261.91        5.58373  (09031219)
        464863.41   3807261.91        5.63363  (09031219)                464883.41
3807261.91        5.67303  (09031219)
        464903.41   3807261.91        5.70260  (09031219)                464923.41
3807261.91        5.72193  (09031219)
        464503.41   3807281.91       10.92997  (09030119)                464523.41
3807281.91       11.22437  (09030119)
        464543.41   3807281.91       11.60050  (09030119)                464563.41
3807281.91       11.97560  (09030119)
        464583.41   3807281.91       11.94552  (09030119)                464603.41
3807281.91       11.80960  (09030119)
        464623.41   3807281.91       11.64106  (09030119)                464643.41
3807281.91       11.74972  (09030119)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 680
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                  L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                  L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                  L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)        CONC     (YYMMDDHH)
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3807321.91   6.03390 (09030119)
        464743.41   3807321.91   5.98549 (09031219)   464763.41
3807321.91   6.05477 (09031219)
        464783.41   3807321.91   6.11095 (09031219)   464803.41
3807321.91   6.15463 (09031219)
        464823.41   3807321.91   6.18636 (09031219)   464843.41
3807321.91   6.20658 (09031219)
        464863.41   3807321.91   6.21502 (09031219)   464883.41
3807321.91   6.21789 (10020118)
        464903.41   3807321.91   6.26553 (10020118)   464923.41
3807321.91   6.30155 (10020118)
        464503.41   3807341.91   13.10060 (09030119)   464523.41
3807341.91   13.53708 (09030119)
        464543.41   3807341.91   13.60184 (09030119)   464563.41
3807341.91   13.46482 (09030119)
        464583.41   3807341.91   13.70695 (09030119)   464603.41
3807341.91   13.46576 (09030119)
        464623.41   3807341.91   8.53700 (09030119)   464643.41
3807341.91   8.62706 (09030119)
        464663.41   3807341.91   8.25292 (09030119)   464683.41
3807341.91   6.24723 (09030119)
        464703.41   3807341.91   6.19226 (09030119)   464723.41
3807341.91   6.17918 (09031219)
        464743.41   3807341.91   6.24632 (09031219)   464763.41
3807341.91   6.30149 (09031219)
        464783.41   3807341.91   6.34282 (09031219)   464803.41
3807341.91   6.37120 (09031219)
        464823.41   3807341.91   6.38763 (09031219)   464843.41
3807341.91   6.39160 (09031219)
        464863.41   3807341.91   6.41878 (10020118)   464883.41
3807341.91   6.46282 (10020118)
        464903.41   3807341.91   6.49466 (10020118)   464923.41
3807341.91   6.51437 (10020118)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
                                    INCLUDING SOURCE(S):   L0005092   , L0005093 , L0005094   , L0005095   , L0005096   ,
                L0005097   , L0005098   , L0005099   , L0005100   , L0005101 , L0005102   , L0005103   , L0005104   ,
                L0005105   , L0005106   , L0005107   , L0005108   , L0005109 , L0005110   , L0005111   , L0005112   ,
                L0005113   , L0005114   , L0005115   , L0005116   , L0005117

, L0005118   , L0005119   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464503.41	3807361.91	13.89905	(09030119)	464523.41	3807361.91	14.03558	(09030119)
464543.41	3807361.91	14.08697	(09030119)	464563.41	3807361.91	14.10766	(09030119)
464583.41	3807361.91	14.30286	(09030119)	464603.41	3807361.91	13.98349	(09030119)
464623.41	3807361.91	8.70417	(09030119)	464643.41	3807361.91	8.50122	(09030119)
464663.41	3807361.91	8.26782	(09030119)	464683.41	3807361.91	6.35533	(09030119)
464703.41	3807361.91	6.38175	(09031219)	464723.41	3807361.91	6.44802	(09031219)
464743.41	3807361.91	6.50024	(09031219)	464763.41	3807361.91	6.53875	(09031219)
464783.41	3807361.91	6.56378	(09031219)	464803.41	3807361.91	6.57563	(09031219)
464823.41	3807361.91	6.57472	(09031219)	464843.41	3807361.91	6.62759	(10020118)
464863.41	3807361.91	6.66759	(10020118)	464883.41	3807361.91	6.69471	(10020118)
464903.41	3807361.91	6.70890	(10020118)	464923.41	3807361.91	6.71056	(10020118)
464503.41	3807381.91	14.55236	(09030119)	464523.41	3807381.91	14.43869	(09030119)
464543.41	3807381.91	14.52700	(09030119)	464563.41	3807381.91	14.70315	(09030119)
464583.41	3807381.91	14.70875	(09030119)	464603.41	3807381.91	14.34065	(09030119)
464623.41	3807381.91	9.00643	(09030119)	464643.41	3807381.91	8.49289	(09030119)
464663.41	3807381.91	6.52703	(09030119)	464683.41	3807381.91	6.59265	(09031219)
464703.41	3807381.91	6.65744	(09031219)	464723.41	3807381.91	6.70778	(09031219)
464743.41	3807381.91	6.74334	(09031219)	464763.41	3807381.91	6.76384	(09031219)
464783.41	3807381.91	6.77090	(09031219)	464803.41	3807381.91	6.79536	(10020118)

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        464823.41   3807381.91        6.84479  (10020118)               464843.41
3807381.91        6.88016  (10020118)
        464863.41   3807381.91        6.90196  (10020118)               464883.41
3807381.91        6.91041  (10020118)
        464903.41   3807381.91        6.90550  (10020118)               464923.41
3807381.91        6.88786  (10020118)
        464503.41   3807401.91       14.82393  (09030119)               464523.41
3807401.91       14.99569  (09030119)
        464543.41   3807401.91       15.16299  (09030119)               464563.41
3807401.91       15.19548  (09030119)
        464583.41   3807401.91       14.61512  (09030119)               464603.41
3807401.91       14.32483  (09030119)
        464623.41   3807401.91        9.30550  (09030119)               464643.41
3807401.91        8.72832  (09030119)
        464663.41   3807401.91        6.81521  (09031219)               464683.41
3807401.91        6.87766  (09031219)
        464703.41   3807401.91        6.92356  (09031219)               464723.41
3807401.91        6.95526  (09031219)
        464743.41   3807401.91        6.97218  (09031219)               464763.41
3807401.91        6.97412  (09031219)
        464783.41   3807401.91        7.02550  (10020118)               464803.41
3807401.91        7.07021  (10020118)
        464823.41   3807401.91        7.10075  (10020118)               464843.41
3807401.91        7.11673  (10020118)
        464863.41   3807401.91        7.11869  (10020118)               464883.41
3807401.91        7.10630  (10020118)
        464903.41   3807401.91        7.08159  (10020118)               464923.41
3807401.91        7.04468  (10020118)
        464503.41   3807421.91       15.42652  (09030119)               464523.41
3807421.91       15.62370  (09030119)
        464543.41   3807421.91       15.49405  (09030119)               464563.41
3807421.91       15.16494  (09030119)
        464583.41   3807421.91       14.77507  (09030119)               464603.41
3807421.91        9.53723  (09030119)
        464623.41   3807421.91        9.23003  (09030119)               464643.41
3807421.91        8.72071  (09030119)
        464663.41   3807421.91        7.10652  (09031219)               464683.41
3807421.91        7.15045  (09031219)
        464703.41   3807421.91        7.17740  (09031219)               464723.41
3807421.91        7.18850  (09031219)
        464743.41   3807421.91        7.20939  (10020118)               464763.41
3807421.91        7.26532  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 682
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***

INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 , L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 , L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 , L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464783.41	3807421.91	7.30524	(10020118)	464803.41	3807421.91	7.32970	(10020118)
464823.41	3807421.91	7.33918	(10020118)	464843.41	3807421.91	7.33367	(10020118)
464863.41	3807421.91	7.31392	(10020118)	464883.41	3807421.91	7.28073	(10020118)
464903.41	3807421.91	7.23447	(10020118)	464923.41	3807421.91	7.17602	(10020118)
464503.41	3807441.91	16.08480	(09030119)	464523.41	3807441.91	16.06912	(09030119)
464543.41	3807441.91	15.64252	(09030119)	464563.41	3807441.91	10.06584	(09030119)
464583.41	3807441.91	9.86163	(09030119)	464603.41	3807441.91	9.51291	(09030119)
464623.41	3807441.91	7.36016	(09031219)	464643.41	3807441.91	7.34633	(09031219)
464663.41	3807441.91	7.38574	(09031219)	464683.41	3807441.91	7.40848	(09031219)
464703.41	3807441.91	7.41468	(09031219)	464723.41	3807441.91	7.46432	(10020118)
464743.41	3807441.91	7.51468	(10020118)	464763.41	3807441.91	7.54914	(10020118)
464783.41	3807441.91	7.56739	(10020118)	464803.41	3807441.91	7.56964	(10020118)
464823.41	3807441.91	7.55653	(10020118)	464843.41	3807441.91	7.52805	(10020118)
464863.41	3807441.91	7.48515	(10020118)	464883.41	3807441.91	7.43065	(10020118)
464903.41	3807441.91	7.36199	(10020118)	464923.41			

3807441.91 7.28107 (10020118)
464503.41 3807461.91 16.62530 (09030119) 464523.41
3807461.91 15.96494 (09030119)
464543.41 3807461.91 15.61898 (09030119) 464563.41
3807461.91 10.18719 (09030119)
464583.41 3807461.91 9.56708 (09030119) 464603.41
3807461.91 9.22846 (09030119)
464623.41 3807461.91 7.59841 (09031219) 464643.41
3807461.91 7.63383 (09031219)
464663.41 3807461.91 7.64999 (09031219) 464683.41
3807461.91 7.66620 (10020118)
464703.41 3807461.91 7.72993 (10020118) 464723.41
3807461.91 7.77557 (10020118)
464743.41 3807461.91 7.80342 (10020118) 464763.41
3807461.91 7.81373 (10020118)
464783.41 3807461.91 7.80804 (10020118) 464803.41
3807461.91 7.78637 (10020118)
464823.41 3807461.91 7.74935 (10020118) 464843.41
3807461.91 7.69714 (10020118)
464863.41 3807461.91 7.63082 (10020118) 464883.41
3807461.91 7.55342 (10020118)
464903.41 3807461.91 7.46241 (10020118) 464923.41
3807461.91 7.35983 (10020118)
464503.41 3807481.91 17.18591 (09030119) 464523.41
3807481.91 16.29573 (09030119)
464543.41 3807481.91 10.45342 (09030119) 464563.41
3807481.91 10.09679 (09030119)
464583.41 3807481.91 9.51707 (09030119) 464603.41
3807481.91 7.86342 (09031219)
464623.41 3807481.91 7.89261 (09031219) 464643.41
3807481.91 7.90271 (09031219)
464663.41 3807481.91 7.95005 (10020118) 464683.41
3807481.91 8.00758 (10020118)
464703.41 3807481.91 8.04633 (10020118) 464723.41
3807481.91 8.06718 (10020118)
464743.41 3807481.91 8.06996 (10020118) 464763.41
3807481.91 8.05471 (10020118)
464783.41 3807481.91 8.02350 (10020118) 464803.41
3807481.91 7.97646 (10020118)
464823.41 3807481.91 7.91433 (10020118) 464843.41
3807481.91 7.83745 (10020118)
464863.41 3807481.91 7.74679 (10020118) 464883.41
3807481.91 7.64450 (10020118)
464903.41 3807481.91 7.53127 (10020118) 464923.41
3807481.91 7.40811 (10020118)
464503.41 3807501.91 17.43130 (09030119) 464523.41
3807501.91 15.82416 (09030119)
464543.41 3807501.91 10.42337 (09030119) 464563.41
3807501.91 8.18012 (09031219)
464583.41 3807501.91 8.14031 (09031219) 464603.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
                                   INCLUDING SOURCE(S):   L0005092   , L0005093 , L0005094   , L0005095   , L0005096   ,
                 L0005097   , L0005098   , L0005099   , L0005100   , L0005101 , L0005102   , L0005103   , L0005104   ,
                 L0005105   , L0005106   , L0005107   , L0005108   , L0005109 , L0005110   , L0005111   , L0005112   ,
                 L0005113   , L0005114   , L0005115   , L0005116   , L0005117 , L0005118   , L0005119   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464623.41   3807501.91   8.17579 (10020118)   464643.41   3807501.91   8.24656 (10020118)
        464663.41   3807501.91   8.29819 (10020118)   464683.41   3807501.91   8.33002 (10020118)
        464703.41   3807501.91   8.34165 (10020118)   464723.41   3807501.91   8.33516 (10020118)
        464743.41   3807501.91   8.31059 (10020118)   464763.41   3807501.91   8.26834 (10020118)
        464783.41   3807501.91   8.21009 (10020118)   464803.41   3807501.91   8.13639 (10020118)
        464823.41   3807501.91   8.04804 (10020118)   464843.41   3807501.91   7.94588 (10020118)
        464863.41   3807501.91   7.83082 (10020118)   464883.41   3807501.91   7.70336 (10020118)
        464903.41   3807501.91   7.56816 (10020118)   464923.41   3807501.91   7.42477 (10020118)
        464503.41   3807521.91   16.30659 (09030119)   464523.41   3807521.91   10.51029 (09030119)
        464543.41   3807521.91   10.10244 (09030119)   464563.41   3807521.91   8.43102 (09031219)

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        464583.41   3807521.91        8.44848  (09031219)              464603.41
3807521.91        8.49218  (10020118)
        464623.41   3807521.91        8.55727  (10020118)              464643.41
3807521.91        8.60237  (10020118)
        464663.41   3807521.91        8.62534  (10020118)              464683.41
3807521.91        8.62772  (10020118)
        464703.41   3807521.91        8.61131  (10020118)              464723.41
3807521.91        8.57529  (10020118)
        464743.41   3807521.91        8.52129  (10020118)              464763.41
3807521.91        8.45085  (10020118)
        464783.41   3807521.91        8.36427  (10020118)              464803.41
3807521.91        8.26286  (10020118)
        464823.41   3807521.91        8.14687  (10020118)              464843.41
3807521.91        8.01938  (10020118)
        464863.41   3807521.91        7.88097  (10020118)              464883.41
3807521.91        7.73023  (10020118)
        464903.41   3807521.91        7.57302  (10020118)              464923.41
3807521.91        7.40894  (10020118)
        464503.41   3807541.91       11.10132  (09030119)              464523.41
3807541.91       10.43582  (09030119)
        464543.41   3807541.91        8.73726  (09031219)              464563.41
3807541.91        8.74585  (09031219)
        464583.41   3807541.91        8.82462  (10020118)              464603.41
3807541.91        8.88356  (10020118)
        464623.41   3807541.91        8.91970  (10020118)              464643.41
3807541.91        8.93351  (10020118)
        464663.41   3807541.91        8.92583  (10020118)              464683.41
3807541.91        8.89743  (10020118)
        464703.41   3807541.91        8.84927  (10020118)              464723.41
3807541.91        8.78252  (10020118)
        464743.41   3807541.91        8.69830  (10020118)              464763.41
3807541.91        8.59784  (10020118)
        464783.41   3807541.91        8.48239  (10020118)              464803.41
3807541.91        8.35318  (10020118)
        464823.41   3807541.91        8.21029  (10020118)              464843.41
3807541.91        8.05635  (10020118)
        464863.41   3807541.91        7.89296  (10020118)              464883.41
3807541.91        7.72120  (10020118)
        464903.41   3807541.91        7.54207  (10020118)              464923.41
3807541.91        7.35685  (10020118)
        464503.41   3807561.91        9.13360  (09031219)              464523.41
3807561.91        9.05780  (09031219)
        464543.41   3807561.91        9.09824  (10020118)              464563.41
3807561.91        9.17452  (10020118)
        464583.41   3807561.91        9.22466  (10020118)              464603.41
3807561.91        9.25178  (10020118)
        464623.41   3807561.91        9.25541  (10020118)              464643.41
3807561.91        9.23536  (10020118)
        464663.41   3807561.91        9.19441  (10020118)              464683.41
3807561.91        9.13291  (10020118)
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3807581.91        9.32888  (10020118)
        464703.41   3807581.91        9.21401  (10020118)                464723.41
3807581.91        9.08183  (10020118)
        464743.41   3807581.91        8.93427  (10020118)                464763.41
3807581.91        8.77303  (10020118)
        464783.41   3807581.91        8.59883  (10020118)                464803.41
3807581.91        8.41346  (10020118)
        464823.41   3807581.91        8.22017  (10020118)                464843.41
3807581.91        8.01717  (10020118)
        464863.41   3807581.91        7.80715  (10020118)                464883.41
3807581.91        7.59531  (10020118)
        464903.41   3807581.91        7.37692  (10020118)                464923.41
3807581.91        7.15432  (10020118)
        464503.41   3807601.91        9.86819  (10020118)                464523.41
3807601.91        9.92921  (10020118)
        464543.41   3807601.91        9.95987  (10020118)                464563.41
3807601.91        9.96264  (10020118)
        464583.41   3807601.91        9.94032  (10020118)                464603.41
3807601.91        9.89297  (10020118)
        464623.41   3807601.91        9.82191  (10020118)                464643.41
3807601.91        9.72859  (10020118)
        464663.41   3807601.91        9.61472  (10020118)                464683.41
3807601.91        9.48192  (10020118)
        464703.41   3807601.91        9.33190  (10020118)                464723.41
3807601.91        9.16633  (10020118)
        464743.41   3807601.91        8.98699  (10020118)                464763.41
3807601.91        8.79501  (10020118)
        464783.41   3807601.91        8.59261  (10020118)                464803.41
3807601.91        8.38131  (10020118)
        464823.41   3807601.91        8.16226  (10020118)                464843.41
3807601.91        7.93747  (10020118)
        464863.41   3807601.91        7.70828  (10020118)                464883.41
3807601.91        7.47573  (10020118)
        464903.41   3807601.91        7.24133  (10020118)                464923.41
3807601.91        7.00575  (10020118)
        464503.41   3807621.91       10.33533  (10020118)                464523.41
3807621.91       10.35518  (10020118)
        464543.41   3807621.91       10.34454  (10020118)                464563.41
3807621.91       10.30572  (10020118)
        464583.41   3807621.91       10.24117  (10020118)                464603.41
3807621.91       10.15288  (10020118)
        464623.41   3807621.91       10.04158  (10020118)                464643.41
3807621.91        9.90847  (10020118)
        464663.41   3807621.91        9.75655  (10020118)                464683.41
3807621.91        9.58714  (10020118)
        464703.41   3807621.91        9.40206  (10020118)                464723.41
3807621.91        9.20331  (10020118)
        464743.41   3807621.91        8.99263  (10020118)                464763.41
3807621.91        8.77093  (10020118)
        464783.41   3807621.91        8.54158  (10020118)                464803.41
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3807621.91   8.30576 (10020118)
        464823.41   3807621.91   8.06288 (10020118)   464843.41
3807621.91   7.81783 (10020118)
        464863.41   3807621.91   7.57091 (10020118)   464883.41
3807621.91   7.32059 (10020118)
        464903.41   3807621.91   7.07204 (10020118)   464923.41
3807621.91   6.82501 (10020118)
        464503.41   3807641.91   10.76906 (10020118)   464523.41
3807641.91   10.74233 (10020118)
        464543.41   3807641.91   10.68633 (10020118)   464563.41
3807641.91   10.60326 (10020118)
        464583.41   3807641.91   10.49611 (10020118)   464603.41
3807641.91   10.36418 (10020118)
        464623.41   3807641.91   10.21046 (10020118)   464643.41
3807641.91   10.03779 (10020118)
        464663.41   3807641.91   9.84714 (10020118)   464683.41
3807641.91   9.64106 (10020118)
        464703.41   3807641.91   9.42172 (10020118)   464723.41
3807641.91   9.19018 (10020118)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
                                INCLUDING SOURCE(S):   L0005092   , L0005093 , L0005094   , L0005095   , L0005096   ,
                L0005097   , L0005098   , L0005099   , L0005100   , L0005101 , L0005102   , L0005103   , L0005104   ,
                L0005105   , L0005106   , L0005107   , L0005108   , L0005109 , L0005110   , L0005111   , L0005112   ,
                L0005113   , L0005114   , L0005115   , L0005116   , L0005117 , L0005118   , L0005119   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464743.41   3807641.91   8.94862 (10020118)   464763.41
3807641.91   8.70086 (10020118)

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        464783.41   3807641.91        8.44532  (10020118)              464803.41
3807641.91        8.18484  (10020118)
        464823.41   3807641.91        7.92413  (10020118)              464843.41
3807641.91        7.65977  (10020118)
        464863.41   3807641.91        7.39461  (10020118)              464883.41
3807641.91        7.13335  (10020118)
        464903.41   3807641.91        6.87159  (10020118)              464923.41
3807641.91        6.61210  (10020118)
        464503.41   3807661.91       11.16086  (10020118)              464523.41
3807661.91       11.08534  (10020118)
        464543.41   3807661.91       10.98125  (10020118)              464563.41
3807661.91       10.85086  (10020118)
        464583.41   3807661.91       10.69694  (10020118)              464603.41
3807661.91       10.52090  (10020118)
        464623.41   3807661.91       10.32501  (10020118)              464643.41
3807661.91       10.11159  (10020118)
        464663.41   3807661.91        9.88222  (10020118)              464683.41
3807661.91        9.63970  (10020118)
        464703.41   3807661.91        9.38743  (10020118)              464723.41
3807661.91        9.12572  (10020118)
        464743.41   3807661.91        8.85662  (10020118)              464763.41
3807661.91        8.58189  (10020118)
        464783.41   3807661.91        8.30387  (10020118)              464803.41
3807661.91        8.02407  (10020118)
        464823.41   3807661.91        7.74361  (10020118)              464843.41
3807661.91        7.46413  (10020118)
        464863.41   3807661.91        7.18672  (10020118)              464883.41
3807661.91        6.91209  (10020118)
        464903.41   3807661.91        6.64153  (10020118)              464923.41
3807661.91        6.37575  (10020118)
        464503.41   3807681.91       11.50138  (10020118)              464523.41
3807681.91       11.37429  (10020118)
        464543.41   3807681.91       11.21983  (10020118)              464563.41
3807681.91       11.04051  (10020118)
        464583.41   3807681.91       10.83892  (10020118)              464603.41
3807681.91       10.61819  (10020118)
        464623.41   3807681.91       10.38003  (10020118)              464643.41
3807681.91       10.12647  (10020118)
        464663.41   3807681.91        9.85965  (10020118)              464683.41
3807681.91        9.58217  (10020118)
        464703.41   3807681.91        9.29811  (10020118)              464723.41
3807681.91        9.00873  (10020118)
        464743.41   3807681.91        8.71512  (10020118)              464763.41
3807681.91        8.41636  (10020118)
        464783.41   3807681.91        8.11863  (10020118)              464803.41
3807681.91        7.82217  (10020118)
        464823.41   3807681.91        7.52523  (10020118)              464843.41
3807681.91        7.23346  (10020118)
        464863.41   3807681.91        6.94643  (10020118)              464883.41
3807681.91        6.66180  (10020118)
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        464903.41   3807681.91        6.38509  (10020118)               464923.41
3807681.91        6.21588  (10102019)
        464523.41   3807701.91       11.60074  (10020118)               464543.41
3807701.91       11.39444  (10020118)
        464563.41   3807701.91       11.16564  (10020118)               464583.41
3807701.91       10.91718  (10020118)
        464603.41   3807701.91       10.65190  (10020118)               464623.41
3807701.91       10.37216  (10020118)
        464643.41   3807701.91       10.07906  (10020118)               464663.41
3807701.91        9.77780  (10020118)
        464683.41   3807701.91        9.46984  (10020118)               464703.41
3807701.91        9.15405  (10020118)
        464723.41   3807701.91        8.83840  (10020118)               464743.41
3807701.91        8.52301  (10020118)
        464763.41   3807701.91        8.20769  (10020118)               464783.41
3807701.91        7.89196  (10020118)
        464803.41   3807701.91        7.57891  (10020118)               464823.41
3807701.91        7.27360  (10020118)
        464843.41   3807701.91        6.97105  (10020118)               464863.41
3807701.91        6.67416  (10020118)
        464883.41   3807701.91        6.47725  (10102019)               464903.41
3807701.91        6.30439  (10102019)
        464923.41   3807701.91        6.13099  (10102019)               464543.41
3807721.91       11.49776  (10020118)
        464563.41   3807721.91       11.22085  (10020118)               464583.41
3807721.91       10.92652  (10020118)
        464603.41   3807721.91       10.61874  (10020118)               464623.41
3807721.91       10.30000  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 686
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                 L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                 L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                 L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464643.41	3807721.91	9.97108	(10020118)	464663.41	3807721.91	9.63629	(10020118)
464683.41	3807721.91	9.29839	(10020118)	464703.41	3807721.91	8.95918	(10020118)
464723.41	3807721.91	8.62223	(10020118)	464743.41	3807721.91	8.28766	(10020118)
464763.41	3807721.91	7.95432	(10020118)	464783.41	3807721.91	7.62592	(10020118)
464803.41	3807721.91	7.30349	(10020118)	464823.41	3807721.91	6.98765	(10020118)
464843.41	3807721.91	6.75710	(10102019)	464863.41	3807721.91	6.57280	(10102019)
464883.41	3807721.91	6.38847	(10102019)	464903.41	3807721.91	6.20509	(10102019)
464923.41	3807721.91	6.02307	(10102019)	464943.41	3807721.91	5.84253	(10102019)
464963.41	3807721.91	5.66429	(10102019)	464983.41	3807721.91	5.48863	(10102019)
465003.41	3807721.91	5.31550	(10102019)	465023.41	3807721.91	5.14560	(10102019)
465043.41	3807721.91	4.97906	(10102019)	465063.41	3807721.91	4.81575	(10102019)
465083.41	3807721.91	4.65624	(10102019)	465103.41	3807721.91	4.50107	(10102019)
465123.41	3807721.91	4.35183	(10102019)	465143.41	3807721.91	4.20452	(10102019)
465163.41	3807721.91	4.06079	(10102019)	465183.41	3807721.91	3.92318	(10102019)
465203.41	3807721.91	3.78799	(10102019)	465223.41	3807721.91	3.65604	(10102019)
465243.41	3807721.91	3.52789	(10102019)	465263.41	3807721.91	3.40386	(10102019)
465283.41	3807721.91	3.28423	(10102019)	465303.41	3807721.91	3.17010	(10102019)
465323.41	3807721.91	3.05823	(10102019)	465343.41	3807721.91	2.94982	(10102019)
465363.41	3807721.91	2.84673	(10102019)	465383.41	3807721.91	2.83005	(09010519)
464543.41	3807741.91	11.52320	(10020118)	464563.41	3807741.91	11.20174	(10020118)
464583.41	3807741.91	10.86415	(10020118)	464603.41	3807741.91	10.51666	(10020118)
464623.41	3807741.91	10.16192	(10020118)	464643.41			

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3807741.91        9.80054  (10020118)
        464663.41   3807741.91        9.43591  (10020118)                464683.41
3807741.91        9.07224  (10020118)
        464703.41   3807741.91        8.71444  (10020118)                464723.41
3807741.91        8.35955  (10020118)
        464743.41   3807741.91        8.00890  (10020118)                464763.41
3807741.91        7.66187  (10020118)
        464783.41   3807741.91        7.32450  (10020118)                464803.41
3807741.91        7.06009  (10102019)
        464823.41   3807741.91        6.86045  (10102019)                464843.41
3807741.91        6.66421  (10102019)
        464863.41   3807741.91        6.46955  (10102019)                464883.41
3807741.91        6.27150  (10102019)
        464903.41   3807741.91        6.07948  (10102019)                464923.41
3807741.91        5.89089  (10102019)
        464943.41   3807741.91        5.70013  (10102019)                464963.41
3807741.91        5.51660  (10102019)
        464983.41   3807741.91        5.33746  (10102019)                465003.41
3807741.91        5.15706  (10102019)
        465023.41   3807741.91        4.98376  (10102019)                465043.41
3807741.91        4.81548  (10102019)
        465063.41   3807741.91        4.64851  (10102019)                465083.41
3807741.91        4.48885  (10102019)
        465103.41   3807741.91        4.33480  (10102019)                465123.41
3807741.91        4.18413  (10102019)
        465143.41   3807741.91        4.03568  (10102019)                465163.41
3807741.91        3.89129  (10102019)
        465183.41   3807741.91        3.75382  (10102019)                465203.41
3807741.91        3.62122  (10102019)
        465223.41   3807741.91        3.49257  (10102019)                465243.41
3807741.91        3.36521  (10102019)
        465263.41   3807741.91        3.24443  (10102019)                465283.41
3807741.91        3.12875  (10102019)
        465303.41   3807741.91        3.01637  (10102019)                465323.41
3807741.91        2.98971  (09010519)
        465343.41   3807741.91        2.97457  (09010519)                465363.41
3807741.91        2.96113  (09010519)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
                                    INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                 L0005097    , L0005098    , L0005099    , L0005100    , L0005101
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, L0005102    , L0005103    , L0005104    ,
                L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465383.41   3807741.91        2.94783  (09010519)               464543.41
3807761.91       11.45354  (10020118)
        464563.41   3807761.91       11.09902  (10020118)               464583.41
3807761.91       10.72626  (10020118)
        464603.41   3807761.91       10.34374  (10020118)               464623.41
3807761.91        9.95677  (10020118)
        464643.41   3807761.91        9.56510  (10020118)               464663.41
3807761.91        9.17845  (10020118)
        464683.41   3807761.91        8.79761  (10020118)               464703.41
3807761.91        8.42285  (10020118)
        464723.41   3807761.91        8.05175  (10020118)               464743.41
3807761.91        7.68784  (10020118)
        464763.41   3807761.91        7.38571  (10102019)               464783.41
3807761.91        7.17199  (10102019)
        464803.41   3807761.91        6.95810  (10102019)               464823.41
3807761.91        6.74911  (10102019)
        464843.41   3807761.91        6.54244  (10102019)               464863.41
3807761.91        6.33739  (10102019)
        464883.41   3807761.91        6.13031  (10102019)               464903.41
3807761.91        5.93044  (10102019)
        464923.41   3807761.91        5.73511  (10102019)               464943.41
3807761.91        5.53878  (10102019)
        464963.41   3807761.91        5.35058  (10102019)               464983.41
3807761.91        5.16768  (10102019)
        465003.41   3807761.91        4.98447  (10102019)               465023.41
3807761.91        4.80643  (10102019)
        465043.41   3807761.91        4.63423  (10102019)               465063.41
3807761.91        4.47040  (10102019)
        465083.41   3807761.91        4.31181  (10102019)               465103.41
3807761.91        4.15740  (10102019)
        465123.41   3807761.91        4.00405  (10102019)               465143.41
3807761.91        3.85817  (10102019)
        465163.41   3807761.91        3.71766  (10102019)               465183.41
3807761.91        3.57885  (10102019)
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        465203.41   3807761.91        3.44768  (10102019)               465223.41
3807761.91        3.32216  (10102019)
        465243.41   3807761.91        3.20055  (10102019)               465263.41
3807761.91        3.16622  (09010519)
        465283.41   3807761.91        3.15139  (09010519)               465303.41
3807761.91        3.13303  (09010519)
        465323.41   3807761.91        3.11648  (09010519)               465343.41
3807761.91        3.10012  (09010519)
        465363.41   3807761.91        3.08073  (09010519)               465383.41
3807761.91        3.06374  (09010519)
        464543.41   3807781.91       11.28723  (10020118)               464563.41
3807781.91       10.90314  (10020118)
        464583.41   3807781.91       10.50045  (10020118)               464603.41
3807781.91       10.09188  (10020118)
        464623.41   3807781.91        9.68229  (10020118)               464643.41
3807781.91        9.27369  (10020118)
        464663.41   3807781.91        8.86827  (10020118)               464683.41
3807781.91        8.46986  (10020118)
        464703.41   3807781.91        8.08319  (10020118)               464723.41
3807781.91        7.73696  (10102019)
        464743.41   3807781.91        7.50738  (10102019)               464763.41
3807781.91        7.27827  (10102019)
        464783.41   3807781.91        7.05086  (10102019)               464803.41
3807781.91        6.82630  (10102019)
        464823.41   3807781.91        6.60694  (10102019)               464843.41
3807781.91        6.38864  (10102019)
        464863.41   3807781.91        6.17319  (10102019)               464883.41
3807781.91        5.96204  (10102019)
        464903.41   3807781.91        5.75515  (10102019)               464923.41
3807781.91        5.55297  (10102019)
        464943.41   3807781.91        5.35589  (10102019)               464963.41
3807781.91        5.16373  (10102019)
        464983.41   3807781.91        4.97680  (10102019)               465003.41
3807781.91        4.79535  (10102019)
        465023.41   3807781.91        4.61729  (10102019)               465043.41
3807781.91        4.44465  (10102019)
        465063.41   3807781.91        4.28215  (10102019)               465083.41
3807781.91        4.12291  (10102019)
        465103.41   3807781.91        3.96819  (10102019)               465123.41
3807781.91        3.81891  (10102019)
        465143.41   3807781.91        3.67468  (10102019)               465163.41
3807781.91        3.53558  (10102019)
        465183.41   3807781.91        3.40164  (10102019)               465203.41
3807781.91        3.35528  (09010519)
        465223.41   3807781.91        3.33855  (09010519)               465243.41
3807781.91        3.31932  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 ,
L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 ,
L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 ,
L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465263.41	3807781.91	3.30136	(09010519)	465283.41	3807781.91	3.28354	(09010519)
465303.41	3807781.91	3.26349	(09010519)	465323.41	3807781.91	3.24301	(09010519)
465343.41	3807781.91	3.22227	(09010519)	465363.41	3807781.91	3.20144	(09010519)
465383.41	3807781.91	3.18197	(09010519)	464543.41	3807801.91	11.02896	(10020118)
464563.41	3807801.91	10.61724	(10020118)	464583.41	3807801.91	10.19283	(10020118)
464603.41	3807801.91	9.76836	(10020118)	464623.41	3807801.91	9.34618	(10020118)
464643.41	3807801.91	8.92770	(10020118)	464663.41	3807801.91	8.50938	(10020118)
464683.41	3807801.91	8.11299	(10102019)	464703.41	3807801.91	7.86784	(10102019)
464723.41	3807801.91	7.62278	(10102019)	464743.41	3807801.91	7.37854	(10102019)
464763.41	3807801.91	7.13374	(10102019)	464783.41	3807801.91	6.89562	(10102019)
464803.41	3807801.91	6.66285	(10102019)	464823.41	3807801.91	6.43329	(10102019)
464843.41	3807801.91	6.20587	(10102019)	464863.41	3807801.91	5.98302	(10102019)
464883.41	3807801.91	5.76859	(10102019)	464903.41			

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3807801.91        5.55713  (10102019)
        464923.41   3807801.91        5.35094  (10102019)                464943.41
3807801.91        5.15362  (10102019)
        464963.41   3807801.91        4.95970  (10102019)                464983.41
3807801.91        4.77134  (10102019)
        465003.41   3807801.91        4.59188  (10102019)                465023.41
3807801.91        4.41596  (10102019)
        465043.41   3807801.91        4.24559  (10102019)                465063.41
3807801.91        4.08386  (10102019)
        465083.41   3807801.91        3.92562  (10102019)                465103.41
3807801.91        3.77272  (10102019)
        465123.41   3807801.91        3.62799  (10102019)                465143.41
3807801.91        3.56587  (09010519)
        465163.41   3807801.91        3.54361  (09010519)                465183.41
3807801.91        3.52436  (09010519)
        465203.41   3807801.91        3.50399  (09010519)                465223.41
3807801.91        3.48240  (09010519)
        465243.41   3807801.91        3.45795  (09010519)                465263.41
3807801.91        3.43591  (09010519)
        465283.41   3807801.91        3.41482  (09010519)                465303.41
3807801.91        3.39265  (09010519)
        465323.41   3807801.91        3.36816  (09010519)                465343.41
3807801.91        3.34326  (09010519)
        465363.41   3807801.91        3.32153  (09010519)                465383.41
3807801.91        3.29897  (09010519)
        464543.41   3807821.91       10.69091  (10020118)                464563.41
3807821.91       10.24926  (10020118)
        464583.41   3807821.91        9.81867  (10020118)                464603.41
3807821.91        9.38804  (10020118)
        464623.41   3807821.91        8.95886  (10020118)                464643.41
3807821.91        8.53018  (10020118)
        464663.41   3807821.91        8.25915  (10102019)                464683.41
3807821.91        7.99378  (10102019)
        464703.41   3807821.91        7.73137  (10102019)                464723.41
3807821.91        7.46822  (10102019)
        464743.41   3807821.91        7.20786  (10102019)                464763.41
3807821.91        6.95608  (10102019)
        464783.41   3807821.91        6.70980  (10102019)                464803.41
3807821.91        6.46818  (10102019)
        464823.41   3807821.91        6.22778  (10102019)                464843.41
3807821.91        5.99660  (10102019)
        464863.41   3807821.91        5.77246  (10102019)                464883.41
3807821.91        5.55092  (10102019)
        464903.41   3807821.91        5.33909  (10102019)                464923.41
3807821.91        5.13462  (10102019)
        464943.41   3807821.91        4.93308  (10102019)                464963.41
3807821.91        4.74125  (10102019)
        464983.41   3807821.91        4.55672  (10102019)                465003.41
3807821.91        4.37521  (10102019)
        465023.41   3807821.91        4.20307  (10102019)                465043.41
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3807821.91 4.03794 (10102019)
  465063.41 3807821.91 3.87573 (10102019) 465083.41
3807821.91 3.79921 (09010519)
  465103.41 3807821.91 3.77597 (09010519) 465123.41
3807821.91 3.74887 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 ,
  L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 ,
  L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 ,
  L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
  **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465143.41	3807821.91	3.72410	(09010519)	465163.41	3807821.91	3.70046	(09010519)
465183.41	3807821.91	3.67703	(09010519)	465203.41	3807821.91	3.65011	(09010519)
465223.41	3807821.91	3.62210	(09010519)	465243.41	3807821.91	3.59717	(09010519)
465263.41	3807821.91	3.57250	(09010519)	465283.41	3807821.91	3.54708	(09010519)
465303.41	3807821.91	3.51768	(09010519)	465323.41	3807821.91	3.49082	(09010519)
465343.41	3807821.91	3.46531	(09010519)	465363.41	3807821.91	3.44025	(09010519)
465383.41	3807821.91	3.41211	(09010519)	464543.41	3807841.91	10.25131	(10020118)
464563.41	3807841.91	9.78604	(10020118)	464583.41	3807841.91	9.36389	(10020118)

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        464603.41   3807841.91        8.93999  (10020118)               464623.41
3807841.91        8.65517  (10102019)
        464643.41   3807841.91        8.37937  (10102019)               464663.41
3807841.91        8.10134  (10102019)
        464683.41   3807841.91        7.82414  (10102019)               464723.41
3807841.91        7.27402  (10102019)
        464743.41   3807841.91        7.00567  (10102019)               464763.41
3807841.91        6.74621  (10102019)
        464783.41   3807841.91        6.49091  (10102019)               464803.41
3807841.91        6.24155  (10102019)
        464823.41   3807841.91        5.99953  (10102019)               464843.41
3807841.91        5.76464  (10102019)
        464863.41   3807841.91        5.53718  (10102019)               464883.41
3807841.91        5.31738  (10102019)
        464903.41   3807841.91        5.10488  (10102019)               464923.41
3807841.91        4.89985  (10102019)
        464943.41   3807841.91        4.70239  (10102019)               464963.41
3807841.91        4.51206  (10102019)
        464983.41   3807841.91        4.32892  (10102019)               465003.41
3807841.91        4.15301  (10102019)
        465023.41   3807841.91        4.05750  (09010519)               465043.41
3807841.91        4.02915  (09010519)
        465063.41   3807841.91        4.00048  (09010519)               465083.41
3807841.91        3.97120  (09010519)
        465103.41   3807841.91        3.94153  (09010519)               465123.41
3807841.91        3.91170  (09010519)
        465143.41   3807841.91        3.88140  (09010519)               465163.41
3807841.91        3.85130  (09010519)
        465183.41   3807841.91        3.82358  (09010519)               465203.41
3807841.91        3.79380  (09010519)
        465223.41   3807841.91        3.76292  (09010519)               465243.41
3807841.91        3.73166  (09010519)
        465263.41   3807841.91        3.70234  (09010519)               465283.41
3807841.91        3.67354  (09010519)
        465303.41   3807841.91        3.64240  (09010519)               465323.41
3807841.91        3.61311  (09010519)
        465343.41   3807841.91        3.58415  (09010519)               465363.41
3807841.91        3.55283  (09010519)
        465383.41   3807841.91        3.52173  (09010519)               464503.41
3807861.91       10.82757  (10020118)
        464523.41   3807861.91       10.27216  (10020118)               464543.41
3807861.91        9.75196  (10020118)
        464563.41   3807861.91        9.26740  (10020118)               464583.41
3807861.91        8.97556  (10102019)
        464603.41   3807861.91        8.72563  (10102019)               464723.41
3807861.91        7.04417  (10102019)
        464743.41   3807861.91        6.77124  (10102019)               464763.41
3807861.91        6.50606  (10102019)
        464783.41   3807861.91        6.24456  (10102019)               464803.41
3807861.91        5.99012  (10102019)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 ,
L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 ,
L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 ,
L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465103.41	3807861.91	4.10520	(09010519)	465123.41	3807861.91	4.07208	(09010519)
465143.41	3807861.91	4.03613	(09010519)	465163.41	3807861.91	3.99958	(09010519)
465183.41	3807861.91	3.96616	(09010519)	465203.41	3807861.91	3.93343	(09010519)
465223.41	3807861.91	3.90027	(09010519)	465243.41			

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3807861.91        3.86303  (09010519)
        465263.41   3807861.91        3.82911  (09010519)                465283.41
3807861.91        3.79672  (09010519)
        465303.41   3807861.91        3.76337  (09010519)                465323.41
3807861.91        3.73083  (09010519)
        465343.41   3807861.91        3.69802  (09010519)                465363.41
3807861.91        3.66154  (09010519)
        465383.41   3807861.91        3.62750  (09010519)                464503.41
3807881.91       10.34404  (10020118)
        464523.41   3807881.91        9.77300  (10020118)                464543.41
3807881.91        9.36428  (10102019)
        464723.41   3807881.91        6.78384  (10102019)                464743.41
3807881.91        6.50668  (10102019)
        464763.41   3807881.91        6.23877  (10102019)                464783.41
3807881.91        5.97603  (10102019)
        464803.41   3807881.91        5.72082  (10102019)                464823.41
3807881.91        5.47570  (10102019)
        464843.41   3807881.91        5.24328  (10102019)                464863.41
3807881.91        5.02083  (10102019)
        464883.41   3807881.91        4.80347  (10102019)                464903.41
3807881.91        4.66221  (09010519)
        464923.41   3807881.91        4.62593  (09010519)                464943.41
3807881.91        4.58511  (09010519)
        464963.41   3807881.91        4.54708  (09010519)                464983.41
3807881.91        4.50946  (09010519)
        465003.41   3807881.91        4.46740  (09010519)                465023.41
3807881.91        4.42841  (09010519)
        465043.41   3807881.91        4.39002  (09010519)                465063.41
3807881.91        4.34730  (09010519)
        465083.41   3807881.91        4.30786  (09010519)                465103.41
3807881.91        4.26916  (09010519)
        465123.41   3807881.91        4.22625  (09010519)                465143.41
3807881.91        4.18674  (09010519)
        465163.41   3807881.91        4.14811  (09010519)                465183.41
3807881.91        4.10536  (09010519)
        465203.41   3807881.91        4.06684  (09010519)                465223.41
3807881.91        4.03006  (09010519)
        465243.41   3807881.91        3.99268  (09010519)                465263.41
3807881.91        3.95603  (09010519)
        465283.41   3807881.91        3.91886  (09010519)                465303.41
3807881.91        3.87735  (09010519)
        465323.41   3807881.91        3.83990  (09010519)                465343.41
3807881.91        3.80418  (09010519)
        465363.41   3807881.91        3.76803  (09010519)                465383.41
3807881.91        3.72915  (09010519)
        464723.41   3807901.91        6.48778  (10102019)                464743.41
3807901.91        6.21537  (10102019)
        464763.41   3807901.91        5.94439  (10102019)                464783.41
3807901.91        5.68447  (10102019)
        464803.41   3807901.91        5.43459  (10102019)                464823.41
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3807901.91   5.19214 (10102019)
        464843.41   3807901.91   5.02138 (09010519)   464863.41
3807901.91   4.97957 (09010519)
        464883.41   3807901.91   4.93162 (09010519)   464903.41
3807901.91   4.88523 (09010519)
        464923.41   3807901.91   4.83971 (09010519)   464943.41
3807901.91   4.79410 (09010519)
        464963.41   3807901.91   4.75060 (09010519)   464983.41
3807901.91   4.70681 (09010519)
        465003.41   3807901.91   4.65701 (09010519)   465023.41
3807901.91   4.60935 (09010519)
        465043.41   3807901.91   4.56298 (09010519)   465063.41
3807901.91   4.51689 (09010519)
        465083.41   3807901.91   4.47067 (09010519)   465103.41
3807901.91   4.42459 (09010519)
        465123.41   3807901.91   4.37890 (09010519)   465143.41
3807901.91   4.33320 (09010519)
        465163.41   3807901.91   4.28773 (09010519)   465183.41
3807901.91   4.24274 (09010519)
        465203.41   3807901.91   4.20041 (09010519)   465223.41
3807901.91   4.15875 (09010519)
        465243.41   3807901.91   4.11435 (09010519)   465263.41
3807901.91   4.07267 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
                                    INCLUDING SOURCE(S):   L0005092   , L0005093 , L0005094   , L0005095   , L0005096   ,
                 L0005097   , L0005098   , L0005099   , L0005100   , L0005101 , L0005102   , L0005103   , L0005104   ,
                 L0005105   , L0005106   , L0005107   , L0005108   , L0005109 , L0005110   , L0005111   , L0005112   ,
                 L0005113   , L0005114   , L0005115   , L0005116   , L0005117 , L0005118   , L0005119   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)

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        464883.41   3807941.91        5.37891  (09010519)               464903.41
3807941.91        5.31773  (09010519)
        464923.41   3807941.91        5.25936  (09010519)               464943.41
3807941.91        5.20203  (09010519)
        464963.41   3807941.91        5.14037  (09010519)               464983.41
3807941.91        5.07666  (09010519)
        465003.41   3807941.91        5.01229  (09010519)               465023.41
3807941.91        4.95324  (09010519)
        465043.41   3807941.91        4.89604  (09010519)               465063.41
3807941.91        4.83429  (09010519)
        465083.41   3807941.91        4.77719  (09010519)               465103.41
3807941.91        4.72165  (09010519)
        465123.41   3807941.91        4.66167  (09010519)               465143.41
3807941.91        4.60637  (09010519)
        465163.41   3807941.91        4.55266  (09010519)               465183.41
3807941.91        4.49462  (09010519)
        465203.41   3807941.91        4.44209  (09010519)               465223.41
3807941.91        4.39206  (09010519)
        465243.41   3807941.91        4.34179  (09010519)               465263.41
3807941.91        4.28838  (09010519)
        465283.41   3807941.91        4.23509  (09010519)               465303.41
3807941.91        4.18781  (09010519)
        465323.41   3807941.91        4.14032  (09010519)               465343.41
3807941.91        4.09344  (09010519)
        465363.41   3807941.91        4.04789  (09010519)               465383.41
3807941.91        3.99889  (09010519)
        465403.41   3807941.91        3.94953  (09010519)               465423.41
3807941.91        3.90499  (09010519)
        465443.41   3807941.91        3.86165  (09010519)               465463.41
3807941.91        3.82044  (09010519)
        465483.41   3807941.91        3.77754  (09010519)               465503.41
3807941.91        3.73590  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 692
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                 L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                 L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                 L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465523.41	3807941.91	3.69417	(09010519)	465543.41	3807941.91	3.64875	(09010519)
465563.41	3807941.91	3.60691	(09010519)	465583.41	3807941.91	3.56720	(09010519)
465603.41	3807941.91	3.52875	(09010519)	465623.41	3807941.91	3.48746	(09010519)
465643.41	3807941.91	3.44600	(09010519)	465663.41	3807941.91	3.40841	(09010519)
465683.41	3807941.91	3.36866	(09010519)	465703.41	3807941.91	3.32899	(09010519)
464723.41	3807961.91	6.11741	(09010519)	464743.41	3807961.91	6.08131	(09010519)
464763.41	3807961.91	6.02723	(09010519)	464783.41	3807961.91	5.96038	(09010519)
464803.41	3807961.91	5.88808	(09010519)	464823.41	3807961.91	5.81551	(09010519)
464843.41	3807961.91	5.74375	(09010519)	464863.41	3807961.91	5.67174	(09010519)
464883.41	3807961.91	5.59628	(09010519)	464903.41	3807961.91	5.52718	(09010519)
464923.41	3807961.91	5.46069	(09010519)	464943.41	3807961.91	5.39095	(09010519)
464963.41	3807961.91	5.32239	(09010519)	464983.41	3807961.91	5.25387	(09010519)
465003.41	3807961.91	5.18218	(09010519)	465023.41	3807961.91	5.11711	(09010519)
465043.41	3807961.91	5.05420	(09010519)	465063.41	3807961.91	4.98487	(09010519)
465083.41	3807961.91	4.91906	(09010519)	465103.41	3807961.91	4.85564	(09010519)
465123.41	3807961.91	4.79332	(09010519)	465143.41	3807961.91	4.73159	(09010519)
465163.41	3807961.91	4.67071	(09010519)	465183.41	3807961.91	4.61094	(09010519)
465203.41	3807961.91	4.55177	(09010519)	465223.41	3807961.91	4.49408	(09010519)
465243.41	3807961.91	4.44078	(09010519)	465263.41	3807961.91	4.38570	(09010519)
465283.41	3807961.91	4.33084	(09010519)	465303.41			

3807961.91 4.27983 (09010519)
  465323.41 3807961.91 4.22681 (09010519) 465343.41
3807961.91 4.17402 (09010519)
  465363.41 3807961.91 4.12527 (09010519) 465383.41
3807961.91 4.07494 (09010519)
  465403.41 3807961.91 4.02421 (09010519) 465423.41
3807961.91 3.97394 (09010519)
  465443.41 3807961.91 3.92689 (09010519) 465463.41
3807961.91 3.88654 (09010519)
  465483.41 3807961.91 3.83854 (09010519) 465503.41
3807961.91 3.79365 (09010519)
  465523.41 3807961.91 3.74992 (09010519) 465543.41
3807961.91 3.70440 (09010519)
  465563.41 3807961.91 3.66166 (09010519) 465583.41
3807961.91 3.61995 (09010519)
  465603.41 3807961.91 3.57625 (09010519) 465623.41
3807961.91 3.53344 (09010519)
  465643.41 3807961.91 3.49139 (09010519) 465663.41
3807961.91 3.44974 (09010519)
  465683.41 3807961.91 3.40893 (09010519) 465703.41
3807961.91 3.36937 (09010519)
  464743.41 3807981.91 6.33998 (09010519) 464763.41
3807981.91 6.28489 (09010519)
  464783.41 3807981.91 6.21366 (09010519) 464803.41
3807981.91 6.13460 (09010519)
  464823.41 3807981.91 6.04718 (09010519) 464843.41
3807981.91 5.96666 (09010519)
  464863.41 3807981.91 5.88844 (09010519) 464883.41
3807981.91 5.80343 (09010519)
  464903.41 3807981.91 5.72554 (09010519) 464923.41
3807981.91 5.65037 (09010519)
  464943.41 3807981.91 5.57016 (09010519) 464963.41
3807981.91 5.49451 (09010519)
  464983.41 3807981.91 5.42084 (09010519) 465003.41
3807981.91 5.34373 (09010519)
  465023.41 3807981.91 5.27122 (09010519) 465043.41
3807981.91 5.20071 (09010519)
  465063.41 3807981.91 5.12684 (09010519) 465083.41
3807981.91 5.05268 (09010519)
  465103.41 3807981.91 4.98068 (09010519) 465123.41
3807981.91 4.91726 (09010519)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCK43 ***
                                INCLUDING SOURCE(S):   L0005092   , L0005093
, L0005094   , L0005095   , L0005096   ,
                L0005097   , L0005098   , L0005099   , L0005100   , L0005101
, L0005102   , L0005103   , L0005104   ,
                L0005105   , L0005106   , L0005107   , L0005108   , L0005109
, L0005110   , L0005111   , L0005112   ,
                L0005113   , L0005114   , L0005115   , L0005116   , L0005117
, L0005118   , L0005119   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465143.41   3807981.91   4.84881 (09010519)   465163.41
3807981.91   4.77984 (09010519)
        465183.41   3807981.91   4.71783 (09010519)   465203.41
3807981.91   4.65314 (09010519)
        465223.41   3807981.91   4.58913 (09010519)   465243.41
3807981.91   4.53186 (09010519)
        465263.41   3807981.91   4.47546 (09010519)   465283.41
3807981.91   4.41969 (09010519)
        465303.41   3807981.91   4.36348 (09010519)   465323.41
3807981.91   4.30491 (09010519)
        465343.41   3807981.91   4.24674 (09010519)   465363.41
3807981.91   4.19340 (09010519)
        465383.41   3807981.91   4.14185 (09010519)   465403.41
3807981.91   4.09068 (09010519)
        465423.41   3807981.91   4.03553 (09010519)   465443.41
3807981.91   3.98515 (09010519)
        465463.41   3807981.91   3.94496 (09010519)   465483.41
3807981.91   3.89243 (09010519)
        465503.41   3807981.91   3.84456 (09010519)   465523.41
3807981.91   3.79898 (09010519)
        465543.41   3807981.91   3.75307 (09010519)   465563.41
3807981.91   3.70877 (09010519)
        465583.41   3807981.91   3.66463 (09010519)   465603.41
3807981.91   3.61715 (09010519)
        465623.41   3807981.91   3.57305 (09010519)   465643.41
3807981.91   3.53024 (09010519)
        465663.41   3807981.91   3.48508 (09010519)   465683.41
3807981.91   3.44400 (09010519)
        465703.41   3807981.91   3.40492 (09010519)   464763.41
3808001.91   6.52056 (09010519)

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        464783.41   3808001.91        6.44779  (09010519)               464803.41
3808001.91        6.36370  (09010519)
        464823.41   3808001.91        6.26498  (09010519)               464843.41
3808001.91        6.17455  (09010519)
        464863.41   3808001.91        6.08676  (09010519)               464883.41
3808001.91        5.99195  (09010519)
        464903.41   3808001.91        5.90551  (09010519)               464923.41
3808001.91        5.82324  (09010519)
        464943.41   3808001.91        5.74119  (09010519)               464963.41
3808001.91        5.65571  (09010519)
        464983.41   3808001.91        5.57060  (09010519)               465003.41
3808001.91        5.49267  (09010519)
        465023.41   3808001.91        5.41136  (09010519)               465043.41
3808001.91        5.33043  (09010519)
        465063.41   3808001.91        5.25655  (09010519)               465083.41
3808001.91        5.17852  (09010519)
        465103.41   3808001.91        5.10085  (09010519)               465123.41
3808001.91        5.03222  (09010519)
        465143.41   3808001.91        4.95863  (09010519)               465163.41
3808001.91        4.88360  (09010519)
        465183.41   3808001.91        4.81082  (09010519)               465203.41
3808001.91        4.74391  (09010519)
        465223.41   3808001.91        4.68063  (09010519)               465243.41
3808001.91        4.61937  (09010519)
        465263.41   3808001.91        4.55916  (09010519)               465283.41
3808001.91        4.49874  (09010519)
        465303.41   3808001.91        4.43348  (09010519)               465323.41
3808001.91        4.37348  (09010519)
        465343.41   3808001.91        4.31554  (09010519)               465363.41
3808001.91        4.25374  (09010519)
        465383.41   3808001.91        4.19784  (09010519)               465403.41
3808001.91        4.14481  (09010519)
        465423.41   3808001.91        4.09191  (09010519)               465443.41
3808001.91        4.04060  (09010519)
        465463.41   3808001.91        3.99190  (09010519)               465483.41
3808001.91        3.94158  (09010519)
        465503.41   3808001.91        3.89286  (09010519)               465523.41
3808001.91        3.84428  (09010519)
        465543.41   3808001.91        3.79186  (09010519)               465563.41
3808001.91        3.74416  (09010519)
        465583.41   3808001.91        3.69907  (09010519)               465603.41
3808001.91        3.65389  (09010519)
        465623.41   3808001.91        3.60648  (09010519)               465643.41
3808001.91        3.55936  (09010519)
        465663.41   3808001.91        3.51660  (09010519)               465683.41
3808001.91        3.47522  (09010519)
        465703.41   3808001.91        3.43391  (09010519)               464763.41
3808021.91        6.72107  (09010519)
        464783.41   3808021.91        6.64452  (09010519)               464803.41
3808021.91        6.56127  (09010519)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
                                    INCLUDING SOURCE(S):   L0005092   , L0005093 , L0005094   , L0005095   , L0005096   ,
                  L0005097   , L0005098   , L0005099   , L0005100   , L0005101 , L0005102   , L0005103   , L0005104   ,
                  L0005105   , L0005106   , L0005107   , L0005108   , L0005109 , L0005110   , L0005111   , L0005112   ,
                  L0005113   , L0005114   , L0005115   , L0005116   , L0005117 , L0005118   , L0005119   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464823.41   3808021.91   6.46368 (09010519)   464843.41   3808021.91   6.36729 (09010519)
        464863.41   3808021.91   6.27116 (09010519)   464883.41   3808021.91   6.17267 (09010519)
        464903.41   3808021.91   6.07550 (09010519)   464923.41   3808021.91   5.98093 (09010519)
        464943.41   3808021.91   5.89271 (09010519)   464963.41   3808021.91   5.80287 (09010519)
        464983.41   3808021.91   5.71307 (09010519)   465003.41   3808021.91   5.62439 (09010519)
        465023.41   3808021.91   5.53803 (09010519)   465043.41   3808021.91   5.45335 (09010519)
        465063.41   3808021.91   5.36989 (09010519)   465083.41   3808021.91   5.28836 (09010519)
        465103.41   3808021.91   5.20859 (09010519)   465123.41   3808021.91   5.12996 (09010519)
        465143.41   3808021.91   5.05317 (09010519)   465163.41   3808021.91   4.97735 (09010519)
        465183.41   3808021.91   4.89877 (09010519)   465203.41   3808021.91   4.82808 (09010519)
        465223.41   3808021.91   4.76098 (09010519)   465243.41

3808021.91 4.69126 (09010519)
465263.41 3808021.91 4.62599 (09010519) 465283.41
3808021.91 4.56288 (09010519)
465303.41 3808021.91 4.49754 (09010519) 465323.41
3808021.91 4.43323 (09010519)
465343.41 3808021.91 4.37019 (09010519) 465363.41
3808021.91 4.30864 (09010519)
465383.41 3808021.91 4.25097 (09010519) 465403.41
3808021.91 4.19487 (09010519)
465423.41 3808021.91 4.13644 (09010519) 465443.41
3808021.91 4.08181 (09010519)
465463.41 3808021.91 4.03476 (09010519) 465483.41
3808021.91 3.97954 (09010519)
465503.41 3808021.91 3.92796 (09010519) 465523.41
3808021.91 3.87786 (09010519)
465543.41 3808021.91 3.82601 (09010519) 465563.41
3808021.91 3.77494 (09010519)
465583.41 3808021.91 3.72545 (09010519) 465603.41
3808021.91 3.67966 (09010519)
465623.41 3808021.91 3.63255 (09010519) 465643.41
3808021.91 3.58594 (09010519)
465663.41 3808021.91 3.54263 (09010519) 465683.41
3808021.91 3.49788 (09010519)
465703.41 3808021.91 3.45303 (09010519) 464783.41
3808041.91 6.81827 (09010519)
464803.41 3808041.91 6.73456 (09010519) 464823.41
3808041.91 6.64055 (09010519)
464843.41 3808041.91 6.54059 (09010519) 464863.41
3808041.91 6.43862 (09010519)
464883.41 3808041.91 6.33666 (09010519) 464903.41
3808041.91 6.23065 (09010519)
464923.41 3808041.91 6.12551 (09010519) 464943.41
3808041.91 6.03002 (09010519)
464963.41 3808041.91 5.93647 (09010519) 464983.41
3808041.91 5.84310 (09010519)
465003.41 3808041.91 5.74295 (09010519) 465023.41
3808041.91 5.65056 (09010519)
465043.41 3808041.91 5.56187 (09010519) 465063.41
3808041.91 5.47000 (09010519)
465083.41 3808041.91 5.38409 (09010519) 465103.41
3808041.91 5.30108 (09010519)
465123.41 3808041.91 5.21492 (09010519) 465143.41
3808041.91 5.13447 (09010519)
465163.41 3808041.91 5.05677 (09010519) 465183.41
3808041.91 4.97596 (09010519)
465203.41 3808041.91 4.90060 (09010519) 465223.41
3808041.91 4.82784 (09010519)
465243.41 3808041.91 4.75201 (09010519) 465263.41
3808041.91 4.68139 (09010519)
465283.41 3808041.91 4.61444 (09010519) 465303.41

3808041.91 4.55031 (09010519)
  465323.41 3808041.91 4.48279 (09010519) 465343.41
3808041.91 4.41539 (09010519)
  465363.41 3808041.91 4.35362 (09010519) 465383.41
3808041.91 4.29408 (09010519)
  465403.41 3808041.91 4.23524 (09010519) 465423.41
3808041.91 4.17231 (09010519)
  465443.41 3808041.91 4.11483 (09010519) 465463.41
3808041.91 4.06867 (09010519)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 ,
L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 ,
L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 ,
L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465483.41	3808041.91	4.00930	(09010519)	465503.41	3808041.91	3.95422	(09010519)
465523.41	3808041.91	3.90196	(09010519)	465543.41	3808041.91	3.85178	(09010519)
465563.41	3808041.91	3.79871	(09010519)	465583.41	3808041.91	3.74597	(09010519)
465603.41	3808041.91	3.69874	(09010519)	465623.41	3808041.91	3.65240	(09010519)
465643.41	3808041.91	3.60671	(09010519)	465663.41	3808041.91	3.56082	(09010519)
465683.41	3808041.91	3.51319	(09010519)	465703.41	3808041.91	3.46618	(09010519)

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        464803.41   3808061.91        6.89086  (09010519)               464823.41
3808061.91        6.79001  (09010519)
        464843.41   3808061.91        6.68874  (09010519)               464863.41
3808061.91        6.58604  (09010519)
        464883.41   3808061.91        6.47606  (09010519)               464903.41
3808061.91        6.36728  (09010519)
        464923.41   3808061.91        6.26099  (09010519)               464943.41
3808061.91        6.15834  (09010519)
        464963.41   3808061.91        6.05799  (09010519)               464983.41
3808061.91        5.95815  (09010519)
        465003.41   3808061.91        5.85167  (09010519)               465023.41
3808061.91        5.74851  (09010519)
        465043.41   3808061.91        5.64965  (09010519)               465063.41
3808061.91        5.55955  (09010519)
        465083.41   3808061.91        5.46630  (09010519)               465103.41
3808061.91        5.37410  (09010519)
        465123.41   3808061.91        5.29026  (09010519)               465143.41
3808061.91        5.20328  (09010519)
        465163.41   3808061.91        5.11722  (09010519)               465183.41
3808061.91        5.03914  (09010519)
        465203.41   3808061.91        4.95795  (09010519)               465223.41
3808061.91        4.87756  (09010519)
        465243.41   3808061.91        4.80478  (09010519)               465263.41
3808061.91        4.72892  (09010519)
        465283.41   3808061.91        4.65405  (09010519)               465303.41
3808061.91        4.58737  (09010519)
        465323.41   3808061.91        4.52115  (09010519)               465343.41
3808061.91        4.45502  (09010519)
        465363.41   3808061.91        4.38497  (09010519)               465383.41
3808061.91        4.32163  (09010519)
        465403.41   3808061.91        4.26165  (09010519)               465423.41
3808061.91        4.20204  (09010519)
        465443.41   3808061.91        4.14438  (09010519)               465463.41
3808061.91        4.08976  (09010519)
        465483.41   3808061.91        4.03357  (09010519)               465503.41
3808061.91        3.97496  (09010519)
        465523.41   3808061.91        3.91702  (09010519)               465543.41
3808061.91        3.86544  (09010519)
        465563.41   3808061.91        3.81424  (09010519)               465583.41
3808061.91        3.76384  (09010519)
        465603.41   3808061.91        3.71525  (09010519)               465623.41
3808061.91        3.66759  (09010519)
        465643.41   3808061.91        3.61988  (09010519)               465663.41
3808061.91        3.56857  (09010519)
        465683.41   3808061.91        3.52135  (09010519)               465703.41
3808061.91        3.47667  (09010519)
        464823.41   3808081.91        6.92749  (09010519)               464843.41
3808081.91        6.81498  (09010519)
        464863.41   3808081.91        6.70215  (09010519)               464883.41
3808081.91        6.59221  (09010519)
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        464903.41   3808081.91        6.48467  (09010519)               464923.41
3808081.91        6.37802  (09010519)
        464943.41   3808081.91        6.26866  (09010519)               464963.41
3808081.91        6.15792  (09010519)
        464983.41   3808081.91        6.04829  (09010519)               465003.41
3808081.91        5.94176  (09010519)
        465023.41   3808081.91        5.83407  (09010519)               465043.41
3808081.91        5.72902  (09010519)
        465063.41   3808081.91        5.63564  (09010519)               465083.41
3808081.91        5.53728  (09010519)
        465103.41   3808081.91        5.43874  (09010519)               465123.41
3808081.91        5.34675  (09010519)
        465143.41   3808081.91        5.25733  (09010519)               465163.41
3808081.91        5.17024  (09010519)
        465183.41   3808081.91        5.08479  (09010519)               465203.41
3808081.91        5.00169  (09010519)
        465223.41   3808081.91        4.92072  (09010519)               465243.41
3808081.91        4.84123  (09010519)
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                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
                                   INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465263.41   3808081.91        4.76390  (09010519)               465283.41
3808081.91        4.68939  (09010519)
        465303.41   3808081.91        4.62027  (09010519)               465323.41
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3808081.91        4.54938  (09010519)
        465343.41   3808081.91        4.47876  (09010519)                465363.41
3808081.91        4.41001  (09010519)
        465383.41   3808081.91        4.34571  (09010519)                465403.41
3808081.91        4.28333  (09010519)
        465423.41   3808081.91        4.21867  (09010519)                465443.41
3808081.91        4.15829  (09010519)
        465463.41   3808081.91        4.10623  (09010519)                465483.41
3808081.91        4.04560  (09010519)
        465503.41   3808081.91        3.98653  (09010519)                465523.41
3808081.91        3.92886  (09010519)
        465543.41   3808081.91        3.87208  (09010519)                465563.41
3808081.91        3.81916  (09010519)
        465583.41   3808081.91        3.76852  (09010519)                465603.41
3808081.91        3.71888  (09010519)
        465623.41   3808081.91        3.67023  (09010519)                465643.41
3808081.91        3.62195  (09010519)
        465663.41   3808081.91        3.57797  (10032206)                465683.41
3808081.91        3.53721  (10032206)
        465703.41   3808081.91        3.49755  (10032206)                464843.41
3808101.91        6.91856  (09010519)
        464863.41   3808101.91        6.79953  (09010519)                464883.41
3808101.91        6.69052  (09010519)
        464903.41   3808101.91        6.58133  (09010519)                464923.41
3808101.91        6.47145  (09010519)
        464943.41   3808101.91        6.35607  (09010519)                464963.41
3808101.91        6.23740  (09010519)
        464983.41   3808101.91        6.12017  (09010519)                465003.41
3808101.91        6.01182  (09010519)
        465023.41   3808101.91        5.90155  (09010519)                465043.41
3808101.91        5.79335  (09010519)
        465063.41   3808101.91        5.69352  (09010519)                465083.41
3808101.91        5.59019  (09010519)
        465103.41   3808101.91        5.48719  (09010519)                465123.41
3808101.91        5.38859  (09010519)
        465143.41   3808101.91        5.29825  (09010519)                465163.41
3808101.91        5.21128  (09010519)
        465183.41   3808101.91        5.11769  (09010519)                465203.41
3808101.91        5.03206  (09010519)
        465223.41   3808101.91        4.95025  (09010519)                465243.41
3808101.91        4.86545  (09010519)
        465263.41   3808101.91        4.78799  (09010519)                465283.41
3808101.91        4.71471  (09010519)
        465303.41   3808101.91        4.64157  (09010519)                465323.41
3808101.91        4.56626  (09010519)
        465343.41   3808101.91        4.49205  (09010519)                465363.41
3808101.91        4.42410  (09010519)
        465383.41   3808101.91        4.35878  (09010519)                465403.41
3808101.91        4.29440  (09010519)
        465423.41   3808101.91        4.22588  (09010519)                465443.41
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3808101.91        4.06209  (10032206)
        465503.41   3808101.91        4.00955  (10032206)                465523.41
3808101.91        3.95873  (10032206)
        465543.41   3808101.91        3.90509  (10032206)                465563.41
3808101.91        3.85666  (10032206)
        465583.41   3808101.91        3.81101  (10032206)                465603.41
3808101.91        3.76621  (10032206)
        465623.41   3808101.91        3.72222  (10032206)                465643.41
3808101.91        3.67884  (10032206)
        465663.41   3808101.91        3.63515  (10032206)                465683.41
3808101.91        3.59315  (10032206)
        465703.41   3808101.91        3.55134  (10032206)                464863.41
3808121.91        6.89344  (09010519)
        464883.41   3808121.91        6.77809  (09010519)                464903.41
3808121.91        6.65677  (09010519)
        464923.41   3808121.91        6.53456  (09010519)                464943.41
3808121.91        6.41416  (09010519)
        464963.41   3808121.91        6.29580  (09010519)                464983.41
3808121.91        6.17894  (09010519)
        465003.41   3808121.91        6.05803  (09010519)                465023.41
3808121.91        5.94636  (09010519)
        465043.41   3808121.91        5.83917  (09010519)                465063.41
3808121.91        5.72788  (09010519)
        465083.41   3808121.91        5.61870  (09010519)                465103.41
3808121.91        5.51346  (09010519)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
                                    INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                 L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                 L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                 L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465123.41	3808121.91	5.41922	(09010519)	465143.41	3808121.91	5.32842	(09010519)
465163.41	3808121.91	5.23866	(09010519)	465183.41	3808121.91	5.14238	(09010519)
465203.41	3808121.91	5.04950	(09010519)	465223.41	3808121.91	4.96088	(09010519)
465243.41	3808121.91	4.88076	(09010519)	465263.41	3808121.91	4.80855	(10032206)
465283.41	3808121.91	4.74109	(10032206)	465303.41	3808121.91	4.66825	(10032206)
465323.41	3808121.91	4.60173	(10032206)	465343.41	3808121.91	4.53781	(10032206)
465363.41	3808121.91	4.46964	(10032206)	465383.41	3808121.91	4.40843	(10032206)
465403.41	3808121.91	4.35066	(10032206)	465423.41	3808121.91	4.29318	(10032206)
465443.41	3808121.91	4.23765	(10032206)	465463.41	3808121.91	4.18522	(10032206)
465483.41	3808121.91	4.13103	(10032206)	465503.41	3808121.91	4.07416	(10032206)
465523.41	3808121.91	4.01777	(10032206)	465543.41	3808121.91	3.96698	(10032206)
465563.41	3808121.91	3.91800	(10032206)	465583.41	3808121.91	3.87031	(10032206)
465603.41	3808121.91	3.82354	(10032206)	465623.41	3808121.91	3.77766	(10032206)
465643.41	3808121.91	3.73161	(10032206)	465663.41	3808121.91	3.68166	(10032206)
465683.41	3808121.91	3.63656	(10032206)	465703.41	3808121.91	3.59412	(10032206)
464883.41	3808141.91	6.82728	(09010519)	464903.41	3808141.91	6.70790	(09010519)
464923.41	3808141.91	6.58523	(09010519)	464943.41	3808141.91	6.46021	(09010519)
464963.41	3808141.91	6.33881	(09010519)	464983.41	3808141.91	6.21891	(09010519)
465003.41	3808141.91	6.09239	(09010519)	465023.41	3808141.91	5.97763	(09010519)
465043.41	3808141.91	5.86810	(09010519)	465063.41	3808141.91	5.75327	(10032206)
465083.41	3808141.91	5.65194	(10032206)	465103.41	3808141.91	5.55519	(10032206)
465123.41	3808141.91	5.47028	(10032206)	465143.41	3808141.91	5.38345	(10032206)

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        465163.41   3808141.91        5.29714  (10032206)               465183.41
3808141.91        5.21329  (10032206)
        465203.41   3808141.91        5.12783  (10032206)               465223.41
3808141.91        5.04443  (10032206)
        465243.41   3808141.91        4.97167  (10032206)               465263.41
3808141.91        4.89693  (10032206)
        465283.41   3808141.91        4.82245  (10032206)               465303.41
3808141.91        4.75003  (10032206)
        465323.41   3808141.91        4.67901  (10032206)               465343.41
3808141.91        4.60965  (10032206)
        465363.41   3808141.91        4.54217  (10032206)               465383.41
3808141.91        4.47931  (10032206)
        465403.41   3808141.91        4.41838  (10032206)               465423.41
3808141.91        4.35491  (10032206)
        465443.41   3808141.91        4.29588  (10032206)               465463.41
3808141.91        4.23980  (10032206)
        465483.41   3808141.91        4.18475  (10032206)               465503.41
3808141.91        4.12816  (10032206)
        465523.41   3808141.91        4.07158  (10032206)               465543.41
3808141.91        4.01585  (10032206)
        465563.41   3808141.91        3.96414  (10032206)               465583.41
3808141.91        3.91475  (10032206)
        465603.41   3808141.91        3.86635  (10032206)               465623.41
3808141.91        3.81890  (10032206)
        465643.41   3808141.91        3.77174  (10032206)               465663.41
3808141.91        3.72279  (10032206)
        465683.41   3808141.91        3.67463  (10032206)               465703.41
3808141.91        3.62806  (10032206)
        464883.41   3808161.91        6.85564  (10032206)               464903.41
3808161.91        6.75525  (10032206)
        464923.41   3808161.91        6.64796  (10032206)               464943.41
3808161.91        6.53212  (10032206)
        464963.41   3808161.91        6.41946  (10032206)               464983.41
3808161.91        6.30821  (10032206)
        465003.41   3808161.91        6.19200  (10032206)               465023.41
3808161.91        6.08373  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 698
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                 L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
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                L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465043.41   3808161.91        5.97932  (10032206)               465063.41
3808161.91        5.86978  (10032206)
        465083.41   3808161.91        5.76471  (10032206)               465103.41
3808161.91        5.66454  (10032206)
        465123.41   3808161.91        5.57279  (10032206)               465143.41
3808161.91        5.47865  (10032206)
        465163.41   3808161.91        5.38611  (10032206)               465183.41
3808161.91        5.30148  (10032206)
        465203.41   3808161.91        5.21441  (10032206)               465223.41
3808161.91        5.12874  (10032206)
        465243.41   3808161.91        5.05051  (10032206)               465263.41
3808161.91        4.96981  (10032206)
        465283.41   3808161.91        4.89034  (10032206)               465303.41
3808161.91        4.81787  (10032206)
        465323.41   3808161.91        4.74294  (10032206)               465343.41
3808161.91        4.66907  (10032206)
        465363.41   3808161.91        4.60181  (10032206)               465383.41
3808161.91        4.53725  (10032206)
        465403.41   3808161.91        4.47359  (10032206)               465423.41
3808161.91        4.40535  (10032206)
        465443.41   3808161.91        4.34344  (10032206)               465463.41
3808161.91        4.28504  (10032206)
        465483.41   3808161.91        4.22650  (10032206)               465503.41
3808161.91        4.17037  (10032206)
        465523.41   3808161.91        4.11471  (10032206)               465543.41
3808161.91        4.05490  (10032206)
        465563.41   3808161.91        4.00087  (10032206)               465583.41
3808161.91        3.95000  (10032206)
        465603.41   3808161.91        3.90018  (10032206)               465623.41
3808161.91        3.85036  (10032206)
        465643.41   3808161.91        3.80146  (10032206)               465663.41
3808161.91        3.75463  (10032206)
        465683.41   3808161.91        3.70484  (10032206)               465703.41
3808161.91        3.65513  (10032206)
        464903.41   3808181.91        6.88681  (10032206)               464923.41
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3808181.91        6.77404  (10032206)
        464943.41   3808181.91        6.65207  (10032206)                464963.41
3808181.91        6.53361  (10032206)
        464983.41   3808181.91        6.41814  (10032206)                465003.41
3808181.91        6.30462  (10032206)
        465023.41   3808181.91        6.18817  (10032206)                465043.41
3808181.91        6.07186  (10032206)
        465063.41   3808181.91        5.95728  (10032206)                465083.41
3808181.91        5.85316  (10032206)
        465103.41   3808181.91        5.75394  (10032206)                465123.41
3808181.91        5.65007  (10032206)
        465143.41   3808181.91        5.55492  (10032206)                465163.41
3808181.91        5.46373  (10032206)
        465183.41   3808181.91        5.36792  (10032206)                465203.41
3808181.91        5.28027  (10032206)
        465223.41   3808181.91        5.19625  (10032206)                465243.41
3808181.91        5.10768  (10032206)
        465263.41   3808181.91        5.02675  (10032206)                465283.41
3808181.91        4.94915  (10032206)
        465303.41   3808181.91        4.86708  (10032206)                465323.41
3808181.91        4.79219  (10032206)
        465343.41   3808181.91        4.72036  (10032206)                465363.41
3808181.91        4.64416  (10032206)
        465383.41   3808181.91        4.57574  (10032206)                465403.41
3808181.91        4.51125  (10032206)
        465423.41   3808181.91        4.44725  (10032206)                465443.41
3808181.91        4.38555  (10032206)
        465463.41   3808181.91        4.32431  (10032206)                465483.41
3808181.91        4.25826  (10032206)
        465503.41   3808181.91        4.19872  (10032206)                465523.41
3808181.91        4.14281  (10032206)
        465543.41   3808181.91        4.08700  (10032206)                465563.41
3808181.91        4.03326  (10032206)
        465583.41   3808181.91        3.98102  (10032206)                465603.41
3808181.91        3.92988  (10032206)
        465623.41   3808181.91        3.87538  (10032206)                465643.41
3808181.91        3.82117  (10032206)
        465663.41   3808181.91        3.77336  (10032206)                465683.41
3808181.91        3.72588  (10032206)
        465703.41   3808181.91        3.67810  (10032206)                464923.41
3808201.91        6.86084  (10032206)
        464943.41   3808201.91        6.74199  (10032206)                464963.41
3808201.91        6.62131  (10032206)
        464983.41   3808201.91        6.50162  (10032206)                465003.41
3808201.91        6.38544  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 ,
L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 ,
L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 ,
L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465023.41	3808201.91	6.26381	(10032206)	465043.41	3808201.91	6.14264	(10032206)
465063.41	3808201.91	6.03086	(10032206)	465083.41	3808201.91	5.92176	(10032206)
465103.41	3808201.91	5.81562	(10032206)	465123.41	3808201.91	5.71325	(10032206)
465143.41	3808201.91	5.61322	(10032206)	465163.41	3808201.91	5.51598	(10032206)
465183.41	3808201.91	5.42179	(10032206)	465203.41	3808201.91	5.32982	(10032206)
465223.41	3808201.91	5.24034	(10032206)	465243.41	3808201.91	5.15360	(10032206)
465263.41	3808201.91	5.06883	(10032206)	465283.41	3808201.91	4.98629	(10032206)
465303.41	3808201.91	4.90622	(10032206)	465323.41	3808201.91	4.82789	(10032206)
465343.41	3808201.91	4.75156	(10032206)	465363.41	3808201.91	4.67747	(10032206)
465383.41	3808201.91	4.60493	(10032206)	465403.41	3808201.91	4.53493	(10032206)
465423.41	3808201.91	4.47084	(10032206)	465443.41	3808201.91	4.40822	(10032206)
465463.41	3808201.91	4.34635	(10032206)	465483.41	3808201.91	4.28228	(10032206)
465503.41	3808201.91	4.22263	(10032206)	465523.41	3808201.91	4.16563	(10032206)

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        465543.41   3808201.91        4.10988  (10032206)               465563.41
3808201.91        4.05241  (10032206)
        465583.41   3808201.91        3.99575  (10032206)               465603.41
3808201.91        3.94370  (10032206)
        465623.41   3808201.91        3.89021  (10032206)               465643.41
3808201.91        3.83744  (10032206)
        465663.41   3808201.91        3.78874  (10032206)               465683.41
3808201.91        3.73842  (10032206)
        465703.41   3808201.91        3.68811  (10032206)               464943.41
3808221.91        6.80253  (10032206)
        464963.41   3808221.91        6.68140  (10032206)               464983.41
3808221.91        6.55805  (10032206)
        465003.41   3808221.91        6.43841  (10032206)               465023.41
3808221.91        6.31497  (10032206)
        465043.41   3808221.91        6.19327  (10032206)               465063.41
3808221.91        6.08188  (10032206)
        465083.41   3808221.91        5.96654  (10032206)               465103.41
3808221.91        5.85362  (10032206)
        465123.41   3808221.91        5.75455  (10032206)               465143.41
3808221.91        5.65156  (10032206)
        465163.41   3808221.91        5.54968  (10032206)               465183.41
3808221.91        5.45666  (10032206)
        465203.41   3808221.91        5.36126  (10032206)               465223.41
3808221.91        5.26763  (10032206)
        465243.41   3808221.91        5.18225  (10032206)               465263.41
3808221.91        5.09445  (10032206)
        465283.41   3808221.91        5.00817  (10032206)               465303.41
3808221.91        4.92959  (10032206)
        465323.41   3808221.91        4.84857  (10032206)               465343.41
3808221.91        4.76886  (10032206)
        465363.41   3808221.91        4.69636  (10032206)               465383.41
3808221.91        4.62141  (10032206)
        465403.41   3808221.91        4.54791  (10032206)               465423.41
3808221.91        4.48276  (10032206)
        465443.41   3808221.91        4.41914  (10032206)               465463.41
3808221.91        4.35701  (10032206)
        465483.41   3808221.91        4.29630  (10032206)               465503.41
3808221.91        4.23579  (10032206)
        465523.41   3808221.91        4.17655  (10032206)               465543.41
3808221.91        4.11994  (10032206)
        465563.41   3808221.91        4.06000  (10032206)               465583.41
3808221.91        4.00058  (10032206)
        465603.41   3808221.91        3.94787  (10032206)               465623.41
3808221.91        3.89524  (10032206)
        465643.41   3808221.91        3.84365  (10032206)               465663.41
3808221.91        3.79431  (10032206)
        465683.41   3808221.91        3.74191  (10032206)               465703.41
3808221.91        3.68968  (10032206)
        464963.41   3808241.91        6.71314  (10032206)               464983.41
3808241.91        6.58714  (10032206)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 ,
L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 ,
L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 ,
L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465083.41	3808241.91	5.98360	(10032206)	465103.41	3808241.91	5.86854	(10032206)
465123.41	3808241.91	5.76783	(10032206)	465143.41	3808241.91	5.66864	(10032206)
465163.41	3808241.91	5.57041	(10032206)	465183.41	3808241.91	5.46746	(10032206)
465203.41	3808241.91	5.37344	(10032206)	465223.41	3808241.91	5.28348	(10032206)
465243.41	3808241.91	5.18887	(10032206)	465263.41	3808241.91	5.10256	(10032206)
465283.41	3808241.91	5.01994	(10032206)	465303.41	3808241.91	4.93275	(10032206)
465323.41	3808241.91	4.85330	(10032206)	465343.41	3808241.91	4.77722	(10032206)
465363.41	3808241.91	4.69666	(10032206)	465383.41	3808241.91	4.62333	(10032206)
465403.41	3808241.91	4.55460	(10032206)	465423.41			

3808241.91 4.48859 (10032206)
465443.41 3808241.91 4.42416 (10032206) 465463.41
3808241.91 4.36124 (10032206)
465483.41 3808241.91 4.29980 (10032206) 465503.41
3808241.91 4.23459 (10032206)
465523.41 3808241.91 4.16990 (10032206) 465543.41
3808241.91 4.11289 (10032206)
465563.41 3808241.91 4.05640 (10032206) 465583.41
3808241.91 4.00094 (10032206)
465603.41 3808241.91 3.94770 (10032206) 465623.41
3808241.91 3.89102 (10032206)
465643.41 3808241.91 3.83469 (10032206) 465663.41
3808241.91 3.78509 (10032206)
465683.41 3808241.91 3.73586 (10032206) 465703.41
3808241.91 3.68637 (10032206)
464983.41 3808261.91 6.56385 (10032206) 465003.41
3808261.91 6.44939 (10032206)
465023.41 3808261.91 6.33289 (10032206) 465043.41
3808261.91 6.21593 (10032206)
465063.41 3808261.91 6.09724 (10032206) 465083.41
3808261.91 5.98225 (10032206)
465103.41 3808261.91 5.87058 (10032206) 465123.41
3808261.91 5.76150 (10032206)
465143.41 3808261.91 5.66062 (10032206) 465163.41
3808261.91 5.56362 (10032206)
465183.41 3808261.91 5.46472 (10032206) 465203.41
3808261.91 5.36814 (10032206)
465223.41 3808261.91 5.27433 (10032206) 465243.41
3808261.91 5.18352 (10032206)
465263.41 3808261.91 5.09907 (10032206) 465283.41
3808261.91 5.01672 (10032206)
465303.41 3808261.91 4.92731 (10032206) 465323.41
3808261.91 4.84378 (10032206)
465343.41 3808261.91 4.76444 (10032206) 465363.41
3808261.91 4.68753 (10032206)
465383.41 3808261.91 4.61232 (10032206) 465403.41
3808261.91 4.53983 (10032206)
465423.41 3808261.91 4.47356 (10032206) 465443.41
3808261.91 4.40888 (10032206)
465463.41 3808261.91 4.34590 (10032206) 465483.41
3808261.91 4.28426 (10032206)
465503.41 3808261.91 4.22110 (10032206) 465523.41
3808261.91 4.15893 (10032206)
465543.41 3808261.91 4.10165 (10032206) 465563.41
3808261.91 4.04263 (10032206)
465583.41 3808261.91 3.98449 (10032206) 465603.41
3808261.91 3.93116 (10032206)
465623.41 3808261.91 3.87637 (10032206) 465643.41
3808261.91 3.82166 (10032206)
465663.41 3808261.91 3.76784 (10032206) 465683.41

3808261.91   3.71800 (10032206)
        465703.41   3808261.91   3.66981 (10032206)   465003.41
3808281.91   6.40361 (10032206)
        465023.41   3808281.91   6.29087 (10032206)   465043.41
3808281.91   6.17746 (10032206)
        465063.41   3808281.91   6.06257 (10032206)   465083.41
3808281.91   5.95487 (10032206)
        465103.41   3808281.91   5.84993 (10032206)   465123.41
3808281.91   5.73694 (10032206)
        465143.41   3808281.91   5.63440 (10032206)   465163.41
3808281.91   5.53799 (10032206)
        465183.41   3808281.91   5.44226 (10032206)   465203.41
3808281.91   5.34411 (10032206)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
                                    INCLUDING SOURCE(S):   L0005092   , L0005093 , L0005094   , L0005095   , L0005096   ,
                L0005097   , L0005098   , L0005099   , L0005100   , L0005101 , L0005102   , L0005103   , L0005104   ,
                L0005105   , L0005106   , L0005107   , L0005108   , L0005109 , L0005110   , L0005111   , L0005112   ,
                L0005113   , L0005114   , L0005115   , L0005116   , L0005117 , L0005118   , L0005119   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465223.41   3808281.91   5.24826 (10032206)   465243.41
3808281.91   5.16302 (10032206)
        465263.41   3808281.91   5.07852 (10032206)   465283.41
3808281.91   4.99413 (10032206)
        465303.41   3808281.91   4.90457 (10032206)   465323.41
3808281.91   4.81893 (10032206)
        465343.41   3808281.91   4.73758 (10032206)   465363.41
3808281.91   4.66371 (10032206)

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        465383.41   3808281.91        4.58737  (10032206)               465403.41
3808281.91        4.51226  (10032206)
        465423.41   3808281.91        4.44413  (10032206)               465443.41
3808281.91        4.37890  (10032206)
        465463.41   3808281.91        4.31884  (10032206)               465483.41
3808281.91        4.25734  (10032206)
        465503.41   3808281.91        4.19729  (10032206)               465523.41
3808281.91        4.13838  (10032206)
        465543.41   3808281.91        4.07941  (10032206)               465563.41
3808281.91        4.01827  (10032206)
        465583.41   3808281.91        3.95822  (10032206)               465603.41
3808281.91        3.90505  (10032206)
        465623.41   3808281.91        3.85198  (10032206)               465643.41
3808281.91        3.79881  (10032206)
        465663.41   3808281.91        3.74288  (10032206)               465683.41
3808281.91        3.69147  (10032206)
        465703.41   3808281.91        3.64303  (10032206)               465003.41
3808301.91        6.33506  (10032206)
        465023.41   3808301.91        6.22764  (10032206)               465043.41
3808301.91        6.12208  (10032206)
        465063.41   3808301.91        5.99757  (10032206)               465083.41
3808301.91        5.89453  (10032206)
        465103.41   3808301.91        5.79987  (10032206)               465123.41
3808301.91        5.69637  (10032206)
        465143.41   3808301.91        5.59714  (10032206)               465163.41
3808301.91        5.49945  (10032206)
        465183.41   3808301.91        5.39551  (10032206)               465203.41
3808301.91        5.30083  (10032206)
        465223.41   3808301.91        5.21216  (10032206)               465243.41
3808301.91        5.12720  (10032206)
        465263.41   3808301.91        5.03783  (10032206)               465283.41
3808301.91        4.94756  (10032206)
        465303.41   3808301.91        4.85844  (10032206)               465323.41
3808301.91        4.77830  (10032206)
        465343.41   3808301.91        4.70214  (10032206)               465363.41
3808301.91        4.62141  (10032206)
        465383.41   3808301.91        4.54807  (10032206)               465403.41
3808301.91        4.47790  (10032206)
        465423.41   3808301.91        4.40328  (10032206)               465443.41
3808301.91        4.33661  (10032206)
        465463.41   3808301.91        4.28663  (10032206)               465483.41
3808301.91        4.22543  (10032206)
        465503.41   3808301.91        4.16568  (10032206)               465523.41
3808301.91        4.10602  (10032206)
        465543.41   3808301.91        4.04167  (10032206)               465563.41
3808301.91        3.98302  (10032206)
        465583.41   3808301.91        3.92790  (10032206)               465603.41
3808301.91        3.87503  (10032206)
        465623.41   3808301.91        3.81865  (10032206)               465643.41
3808301.91        3.76253  (10032206)
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        465663.41   3808301.91        3.71217  (10032206)               465683.41
3808301.91        3.65925  (10032206)
        465703.41   3808301.91        3.60697  (10032206)               465043.41
3808321.91        6.03397  (10032206)
        465063.41   3808321.91        5.92575  (10032206)               465083.41
3808321.91        5.82455  (10032206)
        465103.41   3808321.91        5.72702  (10032206)               465123.41
3808321.91        5.62678  (10032206)
        465143.41   3808321.91        5.52946  (10032206)               465163.41
3808321.91        5.43379  (10032206)
        465183.41   3808321.91        5.33613  (10032206)               465203.41
3808321.91        5.24526  (10032206)
        465223.41   3808321.91        5.15769  (10032206)               465243.41
3808321.91        5.06727  (10032206)
        465263.41   3808321.91        4.97595  (10032206)               465283.41
3808321.91        4.88652  (10032206)
        465303.41   3808321.91        4.80436  (10032206)               465323.41
3808321.91        4.72412  (10032206)
        465343.41   3808321.91        4.64607  (10032206)               465363.41
3808321.91        4.57045  (10032206)
        465383.41   3808321.91        4.49652  (10032206)               465403.41
3808321.91        4.42454  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 702
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465423.41   3808321.91        4.35475  (10032206)                465443.41
3808321.91        4.29004  (10032206)
        465463.41   3808321.91        4.23529  (10032206)                465483.41
3808321.91        4.17493  (10032206)
        465503.41   3808321.91        4.11599  (10032206)                465523.41
3808321.91        4.05765  (10032206)
        465543.41   3808321.91        3.99730  (10032206)                465563.41
3808321.91        3.94124  (10032206)
        465583.41   3808321.91        3.88698  (10032206)                465603.41
3808321.91        3.83042  (10032206)
        465623.41   3808321.91        3.77543  (10032206)                465643.41
3808321.91        3.72186  (10032206)
        465663.41   3808321.91        3.66917  (10032206)                465683.41
3808321.91        3.61792  (10032206)
        465703.41   3808321.91        3.56794  (10032206)                465083.41
3808341.91        5.73413  (10032206)
        465103.41   3808341.91        5.63350  (10032206)                465123.41
3808341.91        5.53832  (10032206)
        465143.41   3808341.91        5.44379  (10032206)                465163.41
3808341.91        5.35116  (10032206)
        465183.41   3808341.91        5.26116  (10032206)                465203.41
3808341.91        5.17204  (10032206)
        465223.41   3808341.91        5.08347  (10032206)                465243.41
3808341.91        4.99161  (10032206)
        465263.41   3808341.91        4.90062  (10032206)                465283.41
3808341.91        4.81323  (10032206)
        465303.41   3808341.91        4.73577  (10032206)                465323.41
3808341.91        4.65424  (10032206)
        465343.41   3808341.91        4.57413  (10032206)                465363.41
3808341.91        4.50506  (10032206)
        465383.41   3808341.91        4.43209  (10032206)                465403.41
3808341.91        4.35949  (10032206)
        465423.41   3808341.91        4.29382  (10032206)                465443.41
3808341.91        4.23098  (10032206)
        465463.41   3808341.91        4.17325  (10032206)                465483.41
3808341.91        4.11403  (10032206)
        465503.41   3808341.91        4.05621  (10032206)                465523.41
3808341.91        3.99948  (10032206)
        465543.41   3808341.91        3.94264  (10032206)                465563.41
3808341.91        3.88829  (10032206)
        465583.41   3808341.91        3.83444  (10032206)                465603.41
3808341.91        3.77648  (10032206)
        465623.41   3808341.91        3.72327  (10032206)                465643.41
3808341.91        3.67200  (10032206)
        465663.41   3808341.91        3.61795  (10032206)                465683.41
3808341.91        3.56836  (10032206)
        465703.41   3808341.91        3.52057  (10032206)                465103.41
3808361.91        5.52173  (10032206)
        465123.41   3808361.91        5.43843  (10032206)                465143.41
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3808361.91        5.34926  (10032206)
        465163.41   3808361.91        5.25885  (10032206)                465183.41
3808361.91        5.17099  (10032206)
        465203.41   3808361.91        5.07852  (10032206)                465223.41
3808361.91        4.98694  (10032206)
        465243.41   3808361.91        4.90504  (10032206)                465263.41
3808361.91        4.81869  (10032206)
        465283.41   3808361.91        4.73188  (10032206)                465303.41
3808361.91        4.64865  (10032206)
        465323.41   3808361.91        4.56687  (10032206)                465343.41
3808361.91        4.48864  (10032206)
        465363.41   3808361.91        4.42141  (10032206)                465383.41
3808361.91        4.35476  (10032206)
        465403.41   3808361.91        4.28826  (10032206)                465423.41
3808361.91        4.21728  (10032206)
        465443.41   3808361.91        4.15408  (10032206)                465463.41
3808361.91        4.10731  (10032206)
        465483.41   3808361.91        4.04936  (10032206)                465503.41
3808361.91        3.99278  (10032206)
        465523.41   3808361.91        3.93621  (10032206)                465543.41
3808361.91        3.87492  (10032206)
        465563.41   3808361.91        3.81997  (10032206)                465583.41
3808361.91        3.76854  (10032206)
        465603.41   3808361.91        3.71718  (10032206)                465623.41
3808361.91        3.66317  (10032206)
        465643.41   3808361.91        3.60972  (10032206)                465663.41
3808361.91        3.56192  (10032206)
        465683.41   3808361.91        3.51153  (10032206)                465703.41
3808361.91        3.46161  (10032206)
        465183.41   3808381.91        5.04718  (10032206)                465203.41
3808381.91        4.95904  (10032206)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
                                    INCLUDING SOURCE(S):   L0005092   , L0005093 , L0005094   , L0005095   , L0005096   ,
                L0005097   , L0005098   , L0005099   , L0005100   , L0005101 , L0005102   , L0005103   , L0005104   ,
                L0005105   , L0005106   , L0005107   , L0005108   , L0005109 , L0005110   , L0005111   , L0005112   ,
                L0005113   , L0005114   , L0005115   , L0005116   , L0005117 , L0005118   , L0005119   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465223.41	3808381.91	4.87343	(10032206)	465243.41	3808381.91	4.78954	(10032206)
465263.41	3808381.91	4.70452	(10032206)	465283.41	3808381.91	4.62101	(10032206)
465303.41	3808381.91	4.54490	(10032206)	465323.41	3808381.91	4.46686	(10032206)
465343.41	3808381.91	4.39093	(10032206)	465363.41	3808381.91	4.32590	(10032206)
465383.41	3808381.91	4.26248	(10032206)	465403.41	3808381.91	4.19984	(10032206)
465423.41	3808381.91	4.13473	(10032206)	465443.41	3808381.91	4.07448	(10032206)
465463.41	3808381.91	4.02388	(10032206)	465483.41	3808381.91	3.96769	(10032206)
465503.41	3808381.91	3.91281	(10032206)	465523.41	3808381.91	3.85840	(10032206)
465543.41	3808381.91	3.80195	(10032206)	465563.41	3808381.91	3.74659	(10032206)
465583.41	3808381.91	3.69329	(10032206)	465603.41	3808381.91	3.64462	(10032206)
465623.41	3808381.91	3.59443	(10032206)	465643.41	3808381.91	3.54421	(10032206)
465663.41	3808381.91	3.49479	(10032206)	465683.41	3808381.91	3.44672	(10032206)
465703.41	3808381.91	3.39984	(10032206)	465303.41	3808401.91	4.50889	(09031319)
465323.41	3808401.91	4.42188	(09031319)	465343.41	3808401.91	4.33607	(09031319)
465363.41	3808401.91	4.25984	(09031319)	465383.41	3808401.91	4.18564	(09031319)
465403.41	3808401.91	4.11340	(09031319)	465423.41	3808401.91	4.04305	(09031319)
465443.41	3808401.91	3.98429	(10032206)	465463.41	3808401.91	3.92902	(10032206)
465483.41	3808401.91	3.87489	(10032206)	465503.41	3808401.91	3.82200	(10032206)
465523.41	3808401.91	3.77032	(10032206)	465543.41	3808401.91	3.71979	(10032206)
465563.41	3808401.91	3.66581	(10032206)	465583.41	3808401.91	3.61224	(10032206)

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        465603.41   3808401.91        3.56522  (10032206)                465623.41
3808401.91        3.51817  (10032206)
        465643.41   3808401.91        3.47088  (10032206)                465663.41
3808401.91        3.42080  (10032206)
        465683.41   3808401.91        3.37499  (10032206)                465703.41
3808401.91        3.33084  (10032206)
        465323.41   3808421.91        4.57942  (09031319)                465343.41
3808421.91        4.49723  (09031319)
        465363.41   3808421.91        4.41846  (09031319)                465383.41
3808421.91        4.34176  (09031319)
        465403.41   3808421.91        4.26707  (09031319)                465423.41
3808421.91        4.19430  (09031319)
        465443.41   3808421.91        4.12341  (09031319)                465463.41
3808421.91        4.05432  (09031319)
        465483.41   3808421.91        3.98696  (09031319)                465503.41
3808421.91        3.92129  (09031319)
        465523.41   3808421.91        3.85725  (09031319)                465543.41
3808421.91        3.79478  (09031319)
        465563.41   3808421.91        3.73305  (09031319)                465583.41
3808421.91        3.67259  (09031319)
        465603.41   3808421.91        3.61458  (09031319)                465623.41
3808421.91        3.55330  (09031319)
        465643.41   3808421.91        3.49250  (09031319)                465663.41
3808421.91        3.43759  (09031319)
        465683.41   3808421.91        3.38038  (09031319)                465703.41
3808421.91        3.32390  (09031319)
        465323.41   3808441.91        4.72582  (09031319)                465343.41
3808441.91        4.64404  (09031319)
        465363.41   3808441.91        4.56950  (09031319)                465383.41
3808441.91        4.49274  (09031319)
        465403.41   3808441.91        4.41590  (09031319)                465423.41
3808441.91        4.34102  (09031319)
        465443.41   3808441.91        4.26804  (09031319)                465463.41
3808441.91        4.19688  (09031319)
        465483.41   3808441.91        4.12750  (09031319)                465503.41
3808441.91        4.05983  (09031319)
        465523.41   3808441.91        3.99382  (09031319)                465543.41
3808441.91        3.92940  (09031319)
        465563.41   3808441.91        3.86654  (09031319)                465583.41
3808441.91        3.80518  (09031319)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 704
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
```

INCLUDING SOURCE(S): L0005092 , L0005093
, L0005094 , L0005095 , L0005096 ,
L0005097 , L0005098 , L0005099 , L0005100 , L0005101
, L0005102 , L0005103 , L0005104 ,
L0005105 , L0005106 , L0005107 , L0005108 , L0005109
, L0005110 , L0005111 , L0005112 ,
L0005113 , L0005114 , L0005115 , L0005116 , L0005117
, L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465603.41	3808441.91	3.74526	(09031319)	465623.41	3808441.91	3.68122	(09031319)
465643.41	3808441.91	3.61682	(09031319)	465663.41	3808441.91	3.55714	(09031319)
465683.41	3808441.91	3.49915	(09031319)	465703.41	3808441.91	3.44336	(09031319)
465343.41	3808461.91	4.77305	(09031319)	465363.41	3808461.91	4.70099	(09031319)
465383.41	3808461.91	4.62541	(09031319)	465403.41	3808461.91	4.54899	(09031319)
465423.41	3808461.91	4.47260	(09031319)	465443.41	3808461.91	4.39811	(09031319)
465463.41	3808461.91	4.32561	(09031319)	465483.41	3808461.91	4.25472	(09031319)
465503.41	3808461.91	4.18689	(09031319)	465523.41	3808461.91	4.12079	(09031319)
465543.41	3808461.91	4.05483	(09031319)	465563.41	3808461.91	3.99042	(09031319)
465583.41	3808461.91	3.92753	(09031319)	465603.41	3808461.91	3.86610	(09031319)
465623.41	3808461.91	3.80039	(09031319)	465643.41	3808461.91	3.73352	(09031319)
465663.41	3808461.91	3.66829	(09031319)	465683.41	3808461.91	3.61029	(09031319)
465703.41	3808461.91	3.55592	(09031319)	465343.41	3808481.91	4.88100	(09031319)
465363.41	3808481.91	4.80024	(09031319)	465383.41	3808481.91	4.72754	(09031319)
465403.41	3808481.91	4.65740	(09031319)	465423.41	3808481.91	4.58034	(09031319)
465443.41	3808481.91	4.50515	(09031319)	465463.41			

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3808481.91        4.43177  (09031319)
        465483.41   3808481.91        4.36014  (09031319)                465503.41
3808481.91        4.29622  (09031319)
        465523.41   3808481.91        4.23476  (09031319)                465543.41
3808481.91        4.16772  (09031319)
        465563.41   3808481.91        4.10223  (09031319)                465583.41
3808481.91        4.03825  (09031319)
        465603.41   3808481.91        3.97573  (09031319)                465623.41
3808481.91        3.90877  (09031319)
        465643.41   3808481.91        3.84058  (09031319)                465663.41
3808481.91        3.77403  (09031319)
        465683.41   3808481.91        3.71488  (09031319)                465703.41
3808481.91        3.65844  (09031319)
        465463.41   3808501.91        4.52921  (09031319)                465483.41
3808501.91        4.45146  (09031319)
        465503.41   3808501.91        4.38669  (09031319)                465523.41
3808501.91        4.32643  (09031319)
        465543.41   3808501.91        4.25903  (09031319)                465563.41
3808501.91        4.19648  (09031319)
        465583.41   3808501.91        4.13521  (09031319)                465603.41
3808501.91        4.06729  (09031319)
        465623.41   3808501.91        4.00123  (09031319)                465643.41
3808501.91        3.93606  (09031319)
        465663.41   3808501.91        3.86863  (09031319)                465683.41
3808501.91        3.80871  (09031319)
        465703.41   3808501.91        3.75127  (09031319)                465523.41
3808521.91        4.39976  (09031319)
        465543.41   3808521.91        4.33260  (09031319)                465563.41
3808521.91        4.27362  (09031319)
        465583.41   3808521.91        4.21566  (09031319)                465603.41
3808521.91        4.14485  (09031319)
        465623.41   3808521.91        4.07958  (09031319)                465643.41
3808521.91        4.01661  (09031319)
        465663.41   3808521.91        3.95049  (09031319)                465683.41
3808521.91        3.88958  (09031319)
        465703.41   3808521.91        3.83078  (09031319)                464239.31
3809562.31        7.44643  (10011407)
        464277.31   3809562.31        7.38700  (10011407)                463745.31
3809591.37        7.68183  (10010907)
        463783.31   3809591.37        7.85546  (10010907)                463821.31
3809591.37        7.86118  (10010907)
        463859.31   3809591.37        7.75562  (10010907)                463897.31
3809591.37        8.21307  (10022820)
        463935.31   3809591.37        8.46808  (10022820)                464239.31
3809591.37        7.20286  (10011407)
        464277.31   3809591.37        7.19620  (10011407)                463745.31
3809620.43        7.37369  (10010907)
        463783.31   3809620.43        7.57429  (10010907)                463821.31
3809620.43        7.63616  (10010907)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43 ***
                                INCLUDING SOURCE(S):   L0005092   , L0005093
, L0005094   , L0005095   , L0005096   ,
                L0005097   , L0005098   , L0005099   , L0005100   , L0005101
, L0005102   , L0005103   , L0005104   ,
                L0005105   , L0005106   , L0005107   , L0005108   , L0005109
, L0005110   , L0005111   , L0005112   ,
                L0005113   , L0005114   , L0005115   , L0005116   , L0005117
, L0005118   , L0005119   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        463859.31   3809620.43   7.53781 (10010907)   463897.31
3809620.43   7.84362 (10022820)
        463935.31   3809620.43   8.14811 (10022820)   463973.31
3809620.43   8.21498 (10022820)
        464011.31   3809620.43   8.08107 (10022820)   464049.31
3809620.43   7.86759 (09031705)
        464087.31   3809620.43   7.66583 (09040202)   464125.31
3809620.43   7.57847 (09040202)
        464163.31   3809620.43   7.35958 (09040202)   464201.31
3809620.43   7.05147 (09010420)
        464239.31   3809620.43   6.97579 (09010420)   464277.31
3809620.43   6.98615 (10011407)
        463745.31   3809649.49   7.07459 (10010907)   463783.31
3809649.49   7.32340 (10010907)
        463821.31   3809649.49   7.39913 (10010907)   463859.31
3809649.49   7.32724 (10010907)
        463897.31   3809649.49   7.48788 (10022820)   463935.31
3809649.49   7.81236 (10022820)
        463973.31   3809649.49   7.89719 (10022820)   464011.31
3809649.49   7.84269 (10022820)
        464049.31   3809649.49   7.65934 (09031705)   464087.31
3809649.49   7.45090 (09031705)

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        464125.31   3809649.49        7.39844  (09040202)              464163.31
3809649.49        7.22622  (09040202)
        464201.31   3809649.49        6.94985  (09040202)              464239.31
3809649.49        6.82123  (09010420)
        464277.31   3809649.49        6.76684  (10011407)              464315.31
3809649.49        6.75088  (10011407)
        464353.31   3809649.49        6.65552  (10011407)              464391.31
3809649.49        6.46619  (10011407)
        464429.31   3809649.49        6.55280  (10022819)              464467.31
3809649.49        6.57001  (10022819)
        464505.31   3809649.49        6.49896  (10022819)              463745.31
3809678.55        6.77348  (10010907)
        463783.31   3809678.55        7.03987  (10010907)              463821.31
3809678.55        7.17253  (10010907)
        463859.31   3809678.55        7.11098  (10010907)              463897.31
3809678.55        7.14612  (10022820)
        463935.31   3809678.55        7.49441  (10022820)              463973.31
3809678.55        7.63349  (10022820)
        464011.31   3809678.55        7.60626  (10022820)              464049.31
3809678.55        7.46111  (10022820)
        464087.31   3809678.55        7.31818  (09031705)              464125.31
3809678.55        7.20912  (09040202)
        464163.31   3809678.55        7.09258  (09040202)              464201.31
3809678.55        6.87803  (09040202)
        464239.31   3809678.55        6.64665  (09010420)              464277.31
3809678.55        6.54242  (09010420)
        464315.31   3809678.55        6.57232  (10011407)              464353.31
3809678.55        6.52904  (10011407)
        464391.31   3809678.55        6.38615  (10011407)              464429.31
3809678.55        6.31756  (10022819)
        464467.31   3809678.55        6.38591  (10022819)              464505.31
3809678.55        6.34954  (10022819)
        463745.31   3809707.61        6.50805  (10010907)              463783.31
3809707.61        6.77454  (10010907)
        463821.31   3809707.61        6.92136  (10010907)              463859.31
3809707.61        6.91472  (10010907)
        463897.31   3809707.61        6.82103  (10022820)              463935.31
3809707.61        7.18352  (10022820)
        463973.31   3809707.61        7.37383  (10022820)              464011.31
3809707.61        7.39540  (10022820)
        464049.31   3809707.61        7.30083  (10022820)              464087.31
3809707.61        7.15783  (09031705)
        464125.31   3809707.61        7.01336  (09040202)              464163.31
3809707.61        6.95848  (09040202)
        464201.31   3809707.61        6.76881  (09040202)              464239.31
3809707.61        6.48628  (09040202)
        464277.31   3809707.61        6.40782  (09010420)              464315.31
3809707.61        6.38975  (10011407)
        464353.31   3809707.61        6.36954  (10011407)              464391.31
3809707.61        6.27902  (10011407)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK43 ***
INCLUDING SOURCE(S): L0005092 , L0005093 , L0005094 , L0005095 , L0005096 ,
L0005097 , L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 ,
L0005105 , L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 ,
L0005113 , L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
463935.31	3809736.67	6.86062	(10022820)	463973.31	3809736.67	7.11279	(10022820)
464011.31	3809736.67	7.20899	(10022820)	464049.31	3809736.67	7.13691	(10022820)
464087.31	3809736.67	7.00743	(09031705)	464125.31	3809736.67	6.85255	(09031705)
464163.31	3809736.67	6.81614	(09040202)	464201.31	3809736.67	6.66268	(09040202)
464239.31	3809736.67	6.43147	(09040202)	464277.31	3809736.67	6.27128	(09010420)
464315.31	3809736.67	6.18004	(10011407)	464353.31	3809736.67	6.21066	(10011407)
464391.31	3809736.67	6.15924	(10011407)	464429.31			

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3809736.67        6.01499  (10011407)
        464467.31   3809736.67        5.95632  (10022819)              464505.31
3809736.67        6.02587  (10022819)
        463745.31   3809765.73        6.06889  (10010907)              463783.31
3809765.73        6.31325  (10010907)
        463821.31   3809765.73        6.44570  (10010907)              463859.31
3809765.73        6.47903  (10010907)
        463897.31   3809765.73        6.40431  (10010907)              463935.31
3809765.73        6.55332  (10022820)
        463973.31   3809765.73        6.79889  (10022820)              464011.31
3809765.73        6.98986  (10022820)
        464049.31   3809765.73        6.99243  (10022820)              464087.31
3809765.73        6.84343  (09031705)
        464125.31   3809765.73        6.74696  (09031705)              464163.31
3809765.73        6.66519  (09040202)
        464201.31   3809765.73        6.55456  (09040202)              464239.31
3809765.73        6.36633  (09040202)
        464277.31   3809765.73        6.12756  (09010420)              464315.31
3809765.73        6.05169  (09010420)
        464353.31   3809765.73        6.04634  (10011407)              464391.31
3809765.73        6.02208  (10011407)
        464429.31   3809765.73        5.93227  (10011407)              464467.31
3809765.73        5.77398  (10011407)
        464505.31   3809765.73        5.82883  (10022819)              463745.31
3809794.79        5.86833  (10010907)
        463783.31   3809794.79        6.09914  (10010907)              463821.31
3809794.79        6.24065  (10010907)
        463859.31   3809794.79        6.27347  (10010907)              463897.31
3809794.79        6.21480  (10010907)
        463935.31   3809794.79        6.25460  (10022820)              463973.31
3809794.79        6.51422  (10022820)
        464011.31   3809794.79        6.72071  (10022820)              464049.31
3809794.79        6.83050  (10022820)
        464087.31   3809794.79        6.72125  (10022820)              464125.31
3809794.79        6.61235  (09031705)
        464163.31   3809794.79        6.48683  (09040202)              464201.31
3809794.79        6.43545  (09040202)
        464239.31   3809794.79        6.27576  (09040202)              464277.31
3809794.79        6.03046  (09040202)
        464315.31   3809794.79        5.93394  (09010420)              464353.31
3809794.79        5.85707  (10011407)
        464391.31   3809794.79        5.88163  (10011407)              464429.31
3809794.79        5.83706  (10011407)
        464467.31   3809794.79        5.70298  (10011407)              464505.31
3809794.79        5.62966  (10022819)
        463745.31   3809823.85        5.69793  (09102505)              463783.31
3809823.85        5.89715  (10010907)
        463821.31   3809823.85        6.02119  (10010907)              463859.31
3809823.85        6.07442  (10010907)
        463897.31   3809823.85        6.02303  (10010907)              463935.31
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3809823.85   5.96171 (10022820)
        463973.31   3809823.85   6.24306 (10022820)   464011.31
3809823.85   6.45009 (10022820)
        464049.31   3809823.85   6.59487 (10022820)   464087.31
3809823.85   6.58201 (10022820)
        464125.31   3809823.85   6.48028 (09031705)   464163.31
3809823.85   6.33637 (09031705)
        464201.31   3809823.85   6.29079 (09040202)   464239.31
3809823.85   6.18003 (09040202)
        464277.31   3809823.85   5.97518 (09040202)   464315.31
3809823.85   5.79315 (09010420)
        464353.31   3809823.85   5.71987 (09010420)   464391.31
3809823.85   5.72962 (10011407)
        464429.31   3809823.85   5.71172 (10011407)   464467.31
3809823.85   5.62157 (10011407)
        464505.31   3809823.85   5.45762 (10011407)   463745.31
3809852.91   5.59367 (09102505)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK43 ***
                                    INCLUDING SOURCE(S):   L0005092   , L0005093
, L0005094   , L0005095   , L0005096   ,
                 L0005097   , L0005098   , L0005099   , L0005100   , L0005101
, L0005102   , L0005103   , L0005104   ,
                 L0005105   , L0005106   , L0005107   , L0005108   , L0005109
, L0005110   , L0005111   , L0005112   ,
                 L0005113   , L0005114   , L0005115   , L0005116   , L0005117
, L0005118   , L0005119   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        463783.31   3809852.91   5.72765 (10010907)   463821.31
3809852.91   5.83459 (10010907)
        463859.31   3809852.91   5.89145 (10010907)   463897.31
3809852.91   5.84006 (10010907)

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        463935.31   3809852.91        5.69322  (10010907)              463973.31
3809852.91        5.98041  (10022820)
        464011.31   3809852.91        6.19348  (10022820)              464049.31
3809852.91        6.34655  (10022820)
        464087.31   3809852.91        6.37813  (10022820)              464125.31
3809852.91        6.29313  (09031705)
        464163.31   3809852.91        6.19439  (09031705)              464201.31
3809852.91        6.11190  (09040202)
        464239.31   3809852.91        6.04953  (09040202)              464277.31
3809852.91        5.89231  (09040202)
        464315.31   3809852.91        5.64896  (09040202)              464353.31
3809852.91        5.60552  (09010420)
        464391.31   3809852.91        5.56142  (10011407)              464429.31
3809852.91        5.58027  (10011407)
        464467.31   3809852.91        5.52197  (10011407)              464505.31
3809852.91        5.39845  (10011407)
        463745.31   3809881.97        5.50024  (09102505)              463783.31
3809881.97        5.56204  (10010907)
        463821.31   3809881.97        5.67823  (10010907)              463859.31
3809881.97        5.72781  (10010907)
        463897.31   3809881.97        5.67666  (10010907)              463935.31
3809881.97        5.54031  (10010907)
        463973.31   3809881.97        5.73342  (10022820)              464011.31
3809881.97        5.96145  (10022820)
        464049.31   3809881.97        6.11754  (10022820)              464087.31
3809881.97        6.16165  (10022820)
        464125.31   3809881.97        6.09002  (10022820)              464163.31
3809881.97        6.01262  (09031705)
        464201.31   3809881.97        5.91781  (09040202)              464239.31
3809881.97        5.88933  (09040202)
        464277.31   3809881.97        5.78404  (09040202)              464315.31
3809881.97        5.59787  (09040202)
        464353.31   3809881.97        5.48562  (09010420)              464391.31
3809881.97        5.41940  (09010420)
        464429.31   3809881.97        5.44034  (10011407)              464467.31
3809881.97        5.41327  (10011407)
        464505.31   3809881.97        5.33283  (10011407)              463745.31
3809911.03        5.39856  (09102505)
        463783.31   3809911.03        5.39290  (10010907)              463821.31
3809911.03        5.53010  (10010907)
        463859.31   3809911.03        5.57965  (10010907)              463897.31
3809911.03        5.53960  (10010907)
        463935.31   3809911.03        5.41196  (10010907)              463973.31
3809911.03        5.49644  (10022820)
        464011.31   3809911.03        5.73487  (10022820)              464049.31
3809911.03        5.90859  (10022820)
        464087.31   3809911.03        5.97308  (10022820)              464125.31
3809911.03        5.92731  (10022820)
        464163.31   3809911.03        5.85490  (09031705)              464201.31
3809911.03        5.75649  (09031705)
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        464239.31   3809911.03        5.74312  (09040202)                464277.31
3809911.03        5.67985  (09040202)
        464315.31   3809911.03        5.52707  (09040202)                464353.31
3809911.03        5.35599  (09010420)
        464391.31   3809911.03        5.32112  (09010420)                464429.31
3809911.03        5.28857  (10011407)
        464467.31   3809911.03        5.30345  (10011407)                464505.31
3809911.03        5.24444  (10011407)
        463745.31   3809940.09        5.29218  (09102505)                463783.31
3809940.09        5.22949  (10010907)
        463821.31   3809940.09        5.38153  (10010907)                463859.31
3809940.09        5.43789  (10010907)
        463897.31   3809940.09        5.41553  (10010907)                463935.31
3809940.09        5.30676  (10010907)
        463973.31   3809940.09        5.28568  (10022820)                464011.31
3809940.09        5.51143  (10022820)
        464049.31   3809940.09        5.69207  (10022820)                464087.31
3809940.09        5.77696  (10022820)
        464125.31   3809940.09        5.76456  (10022820)                464163.31
3809940.09        5.70554  (09031705)
        464201.31   3809940.09        5.65610  (09031705)                464239.31
3809940.09        5.61358  (09040202)
        464277.31   3809940.09        5.57354  (09040202)                464315.31
3809940.09        5.45766  (09040202)
        464353.31   3809940.09        5.26401  (09040202)                464391.31
3809940.09        5.21402  (09010420)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 708
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464429.31	3809940.09	5.14275	(09010420)	464467.31	3809940.09	5.17464	(10011407)
464505.31	3809940.09	5.14690	(10011407)	463745.31	3809969.15	5.22735	(09102505)
463783.31	3809969.15	5.08695	(10010907)	463821.31	3809969.15	5.23386	(10010907)
463859.31	3809969.15	5.30279	(10010907)	463897.31	3809969.15	5.29324	(10010907)
463935.31	3809969.15	5.20380	(10010907)	463973.31	3809969.15	5.09317	(10022820)
464011.31	3809969.15	5.31393	(10022820)	464049.31	3809969.15	5.48040	(10022820)
464087.31	3809969.15	5.58608	(10022820)	464125.31	3809969.15	5.61334	(10022820)
464163.31	3809969.15	5.54686	(10022820)	464201.31	3809969.15	5.53957	(09031705)
464239.31	3809969.15	5.48011	(09040202)	464277.31	3809969.15	5.46668	(09040202)
464315.31	3809969.15	5.38261	(09040202)	464353.31	3809969.15	5.23040	(09040202)
464391.31	3809969.15	5.11071	(09010420)	464429.31	3809969.15	5.06173	(09010420)
464467.31	3809969.15	5.03596	(10011407)	464505.31	3809969.15	5.04670	(10011407)
463745.31	3809998.21	5.21196	(09011120)	463783.31	3809998.21	4.97927	(10010907)
463821.31	3809998.21	5.11048	(10010907)	463859.31	3809998.21	5.18003	(10010907)
463897.31	3809998.21	5.18138	(10010907)	463935.31	3809998.21	5.10140	(10010907)
463973.31	3809998.21	4.96351	(10010907)	464011.31	3809998.21	5.13731	(10022820)
464049.31	3809998.21	5.30910	(10022820)	464087.31	3809998.21	5.42176	(10022820)
464125.31	3809998.21	5.47686	(10022820)	464163.31	3809998.21	5.43970	(10022820)
464201.31	3809998.21	5.41555	(09031705)	464239.31	3809998.21	5.34128	(09031705)
464277.31	3809998.21	5.35844	(09040202)	464315.31	3809998.21	5.29969	(09040202)
464353.31	3809998.21	5.17788	(09040202)	464391.31	3809998.21	4.99105	(09010420)
464429.31	3809998.21	4.96701	(09010420)	464467.31	3809998.21	4.90109	(10011407)
464505.31	3809998.21	4.92973	(10011407)	463745.31			

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3810027.27        5.20405  (09011120)
        463783.31   3810027.27        4.89562  (10010907)                463821.31
3810027.27        5.00987  (10010907)
        463859.31   3810027.27        5.07461  (10010907)                463897.31
3810027.27        5.08291  (10010907)
        463935.31   3810027.27        5.00586  (10010907)                463973.31
3810027.27        4.88368  (10010907)
        464011.31   3810027.27        4.97000  (10022820)                464049.31
3810027.27        5.15228  (10022820)
        464087.31   3810027.27        5.26613  (10022820)                464125.31
3810027.27        5.32871  (10022820)
        464163.31   3810027.27        5.32776  (10022820)                464201.31
3810027.27        5.29269  (09031705)
        464239.31   3810027.27        5.23926  (09031705)                464277.31
3810027.27        5.22733  (09040202)
        464315.31   3810027.27        5.21068  (09040202)                464353.31
3810027.27        5.11302  (09040202)
        464391.31   3810027.27        4.94360  (09040202)                464429.31
3810027.27        4.87133  (09010420)
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3810056.33        4.81888  (10010907)
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3810056.33        4.97869  (10010907)
        463897.31   3810056.33        4.98591  (10010907)                463935.31
3810056.33        4.92141  (10010907)
        463973.31   3810056.33        4.80910  (10010907)                464011.31
3810056.33        4.80754  (10022820)
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3810056.33        5.11799  (10022820)
        464125.31   3810056.33        5.18278  (10022820)                464163.31
3810056.33        5.20212  (10022820)
        464201.31   3810056.33        5.15467  (09031705)                464239.31
3810056.33        5.13924  (09031705)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 709
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
                                  INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                L0005105    , L0005106    , L0005107    , L0005108    , L0005109
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, L0005110    , L0005111    , L0005112    ,
                L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464277.31   3810056.33        5.08405  (09040202)               464315.31
3810056.33        5.10146  (09040202)
        464353.31   3810056.33        5.04717  (09040202)               464391.31
3810056.33        4.91111  (09040202)
        464429.31   3810056.33        4.76868  (09010420)               464467.31
3810056.33        4.73013  (09010420)
        464505.31   3810056.33        4.67289  (10011407)               463745.31
3810085.39        5.20349  (09011120)
        463783.31   3810085.39        4.80416  (09102505)               463821.31
3810085.39        4.82929  (10010907)
        463859.31   3810085.39        4.88656  (10010907)               463897.31
3810085.39        4.89543  (10010907)
        463935.31   3810085.39        4.84414  (10010907)               463973.31
3810085.39        4.73784  (10010907)
        464011.31   3810085.39        4.64715  (10022820)               464049.31
3810085.39        4.82611  (10022820)
        464087.31   3810085.39        4.96808  (10022820)               464125.31
3810085.39        5.04787  (10022820)
        464163.31   3810085.39        5.07357  (10022820)               464201.31
3810085.39        5.03170  (10022820)
        464239.31   3810085.39        5.02374  (09031705)               464277.31
3810085.39        4.95482  (09031705)
        464315.31   3810085.39        4.98274  (09040202)               464353.31
3810085.39        4.95412  (09040202)
        464391.31   3810085.39        4.85283  (09040202)               464429.31
3810085.39        4.67625  (09040202)
        464467.31   3810085.39        4.63661  (09010420)               464505.31
3810085.39        4.56937  (09010420)
        463745.31   3810114.45        5.17376  (09011120)               463783.31
3810114.45        4.80564  (09102505)
        463821.31   3810114.45        4.76072  (10010907)               463859.31
3810114.45        4.82225  (10010907)
        463897.31   3810114.45        4.82007  (10010907)               463935.31
3810114.45        4.77163  (10010907)
        463973.31   3810114.45        4.66613  (10010907)               464011.31
3810114.45        4.50553  (10010907)
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        464049.31   3810114.45        4.67723  (10022820)                464087.31
3810114.45        4.82256  (10022820)
        464125.31   3810114.45        4.90723  (10022820)                464163.31
3810114.45        4.93927  (10022820)
        464201.31   3810114.45        4.91417  (10022820)                464239.31
3810114.45        4.90445  (09031705)
        464277.31   3810114.45        4.86724  (09031705)                464315.31
3810114.45        4.84789  (09040202)
        464353.31   3810114.45        4.83411  (09040202)                464391.31
3810114.45        4.75365  (09040202)
        464429.31   3810114.45        4.62050  (09040202)                464467.31
3810114.45        4.51862  (09010420)
        464505.31   3810114.45        4.48844  (09010420)                463745.31
3810143.51        5.11034  (09011120)
        463783.31   3810143.51        4.77709  (09102505)                463821.31
3810143.51        4.72004  (10010907)
        463859.31   3810143.51        4.77285  (10010907)                463897.31
3810143.51        4.74577  (10010907)
        463935.31   3810143.51        4.69097  (10010907)                463973.31
3810143.51        4.58409  (10010907)
        464011.31   3810143.51        4.44657  (10010907)                464049.31
3810143.51        4.53554  (10022820)
        464087.31   3810143.51        4.67431  (10022820)                464125.31
3810143.51        4.77071  (10022820)
        464163.31   3810143.51        4.81659  (10022820)                464201.31
3810143.51        4.80440  (10022820)
        464239.31   3810143.51        4.76807  (09031705)                464277.31
3810143.51        4.77022  (09031705)
        464315.31   3810143.51        4.71634  (09040202)                464353.31
3810143.51        4.71016  (09040202)
        464391.31   3810143.51        4.66058  (09040202)                464429.31
3810143.51        4.54847  (09040202)
        464467.31   3810143.51        4.40728  (09010420)                464505.31
3810143.51        4.40249  (09010420)
        464383.78   3807479.29       15.81684  (09030119)                464355.03
3807405.24       11.84319  (09030119)
        464402.07   3807352.10       11.00621  (09030119)                464367.23
3807296.35       14.89250  (09011918)
        464358.52   3807237.99       18.22952  (09011918)                464385.52
3807161.33       18.64714  (09011918)
        463132.27   3810926.37        2.92917  (09040203)                463237.82
3811199.31        2.80092  (09011307)
        464944.35   3809244.89        6.31296  (10031906)                465700.32
3809255.46        4.08744  (10021420)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK43  ***
                                   INCLUDING SOURCE(S):     L0005092    , L0005093
, L0005094    , L0005095    , L0005096    ,
                 L0005097    , L0005098    , L0005099    , L0005100    , L0005101
, L0005102    , L0005103    , L0005104    ,
                 L0005105    , L0005106    , L0005107    , L0005108    , L0005109
, L0005110    , L0005111    , L0005112    ,
                 L0005113    , L0005114    , L0005115    , L0005116    , L0005117
, L0005118    , L0005119    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465716.18   3808536.49        3.84015  (09031319)               465544.37
3808533.85        4.36556  (09031319)
        465420.13   3808486.27        4.61391  (09031319)               465348.77
3808491.56        4.90498  (09031319)
        465317.05   3808443.98        4.76696  (09031319)               465327.62
3808406.97        4.44481  (09031319)
        465108.23   3808369.97        5.45085  (10032206)               464999.86
3808301.24        6.35859  (10032206)
        464722.31   3807973.48        6.26566  (09010519)               464717.03
3807836.03        7.42158  (10102019)
        464344.33   3807936.47       14.65664  (10020118)               464349.61
3807780.52       14.13001  (10020118)
        464386.62   3807785.81       13.82711  (10020118)               464521.43
3807859.82       10.37497  (10020118)
        464537.28   3807719.72       11.56936  (10020118)               464426.27
3807613.99        9.94685  (09031219)
        464368.43   3807532.62        8.68723  (09030119)               464324.60
3807121.91       22.71375  (09011918)
        464123.31   3807123.54       22.99446  (10112518)               463930.13
3806909.26       19.82589  (09123118)
        463831.11   3806906.01       22.26663  (09123118)               463821.36
3806720.95       18.57281  (09123118)
        463727.21   3806727.44       16.77748  (09111519)               463598.97
3806334.59       14.52373  (09111519)
        463001.06   3806361.54       13.85299  (09032718)

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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        462216.84   3807882.52        9.65655  (10021207)               462116.34
3807886.11        9.47081  (09020119)
        462114.55   3807789.20       12.89066  (10021207)               462012.25
3807887.90       10.04715  (09020119)
        462008.66   3807975.84       12.59721  (09020119)               461917.14
3807972.25       12.14949  (09020119)
        461922.52   3808187.60       18.95368  (10021620)               461908.17
3808288.10       22.11541  (10021620)
        461848.94   3808377.83       16.69342  (10021620)               461831.00
3808494.48        9.89606  (09021520)
        462421.43   3808393.98       25.98444  (10021620)               462459.11
3808501.66       15.05650  (09021520)
        462437.58   3808580.62       10.93783  (09021520)               462654.73
3809189.00        8.83552  (09031106)
        462559.49   3809194.32        8.14360  (09031106)               465763.86
3807935.19        3.13519  (09010519)
        465819.84   3807935.19        3.06650  (09010519)               465875.82
3807935.19        2.99761  (09010519)
        465931.80   3807935.19        2.93009  (09010519)               465987.78
3807935.19        2.86308  (09010519)
        466043.76   3807935.19        2.79709  (09010519)               466099.74
3807935.19        2.73222  (09010519)
        466155.72   3807935.19        2.66859  (09010519)               466211.70
3807935.19        2.60620  (09010519)
        466267.68   3807935.19        2.54537  (09010519)               466323.66
3807935.19        2.48421  (09010519)
        466379.64   3807935.19        2.42661  (09010519)               466435.62
3807935.19        2.37042  (09010519)
        466491.60   3807935.19        2.31571  (09010519)               466547.58
3807935.19        2.25800  (09010519)
        466603.56   3807935.19        2.20541  (09010519)               466659.54
3807935.19        2.15430  (09010519)
        466715.52   3807935.19        2.10476  (09010519)               466771.50
3807935.19        2.05611  (09010519)
        466827.48   3807935.19        2.00712  (09010519)               466883.46
3807935.19        1.96106  (09010519)
        465763.86   3808001.41        3.42767  (09010519)               465819.84
3808001.41        3.33499  (09010519)
        465875.82   3808001.41        3.24395  (09010519)               465931.80
3808001.41        3.15537  (09010519)
        465987.78   3808001.41        3.07195  (09010519)               466043.76
3808001.41        2.98584  (09010519)
        466099.74   3808001.41        2.90939  (09010519)               466155.72
3808001.41        2.83125  (09010519)
        466211.70   3808001.41        2.75607  (09010519)               466267.68
3808001.41        2.68266  (09010519)
        466323.66   3808001.41        2.61116  (09010519)               466379.64
3808001.41        2.54207  (09010519)
        466435.62   3808001.41        2.47527  (09010519)               466491.60
3808001.41        2.41068  (09010519)
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3808067.63        2.40082  (09010519)
        466603.56   3808067.63        2.33417  (09010519)                466659.54
3808067.63        2.27020  (09010519)
        466715.52   3808067.63        2.20933  (09010519)                466771.50
3808067.63        2.15069  (09010519)
        466827.48   3808067.63        2.09211  (09010519)                466883.46
3808067.63        2.03467  (09010519)
        465763.86   3808133.85        3.84429  (09010519)                465819.84
3808133.85        3.70697  (09010519)
        465875.82   3808133.85        3.57705  (09010519)                465931.80
3808133.85        3.45342  (09010519)
        465987.78   3808133.85        3.34077  (09010519)                466043.76
3808133.85        3.22794  (09010519)
        466099.74   3808133.85        3.12053  (09010519)                466155.72
3808133.85        3.01807  (09010519)
        466211.70   3808133.85        2.92035  (09010519)                466267.68
3808133.85        2.82743  (09010519)
        466323.66   3808133.85        2.73895  (09010519)                466379.64
3808133.85        2.65509  (09010519)
        466435.62   3808133.85        2.57451  (09010519)                466491.60
3808133.85        2.49752  (09010519)
        466547.58   3808133.85        2.42252  (09010519)                466603.56
3808133.85        2.35178  (09010519)
        466659.54   3808133.85        2.28402  (09010519)                466715.52
3808133.85        2.21868  (09010519)
        466771.50   3808133.85        2.16034  (10032206)                466827.48
3808133.85        2.10915  (10032206)
        466883.46   3808133.85        2.05904  (10032206)                465763.86
3808200.07        3.93518  (09010519)
        465819.84   3808200.07        3.78251  (09010519)                465875.82
3808200.07        3.63851  (09010519)
        465931.80   3808200.07        3.50767  (09010519)                465987.78
3808200.07        3.37877  (09010519)
        466043.76   3808200.07        3.25688  (09010519)                466099.74
3808200.07        3.15150  (10032206)
        466155.72   3808200.07        3.05536  (10032206)                466211.70
3808200.07        2.96362  (10032206)
        466267.68   3808200.07        2.87609  (10032206)                466323.66
3808200.07        2.79653  (10032206)
        466379.64   3808200.07        2.71645  (10032206)                466435.62
3808200.07        2.63978  (10032206)
        466491.60   3808200.07        2.56638  (10032206)                466547.58
3808200.07        2.49608  (10032206)
        466603.56   3808200.07        2.42871  (10032206)                466659.54
3808200.07        2.36411  (10032206)
        466715.52   3808200.07        2.30226  (10032206)                466771.50
3808200.07        2.24190  (10032206)
        466827.48   3808200.07        2.18280  (10032206)                466883.46
3808200.07        2.12796  (10032206)
        465763.86   3808266.29        4.05021  (10032206)                465819.84
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3808266.29 3.90773 (10032206)
  465875.82 3808266.29 3.77037 (10032206) 465931.80
3808266.29 3.63708 (10032206)
  465987.78 3808266.29 3.51105 (10032206) 466043.76
3808266.29 3.39176 (10032206)
  466099.74 3808266.29 3.27873 (10032206) 466155.72
3808266.29 3.17153 (10032206)
  466211.70 3808266.29 3.07012 (10032206) 466267.68
3808266.29 2.97589 (10032206)
  466323.66 3808266.29 2.88383 (10032206) 466379.64
3808266.29 2.79968 (10032206)
  466435.62 3808266.29 2.71661 (10032206) 466491.60
3808266.29 2.63501 (10032206)
  466547.58 3808266.29 2.55832 (10032206) 466603.56
3808266.29 2.48508 (10032206)
  466659.54 3808266.29 2.41741 (10032206) 466715.52
3808266.29 2.34911 (10032206)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 ,
  L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 ,
  L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 ,
  L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466771.50	3808266.29	2.28593	(10032206)	466827.48	3808266.29	2.22368	(10032206)
466883.46	3808266.29	2.16513	(10032206)	465763.86	3808332.51	4.16531	(10032206)

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        465819.84   3808332.51        4.01344  (10032206)               465875.82
3808332.51        3.86025  (10032206)
        465931.80   3808332.51        3.71627  (10032206)               465987.78
3808332.51        3.58075  (10032206)
        466043.76   3808332.51        3.45292  (10032206)               466099.74
3808332.51        3.33238  (10032206)
        466155.72   3808332.51        3.22012  (10032206)               466211.70
3808332.51        3.11230  (10032206)
        466267.68   3808332.51        3.00975  (10032206)               466323.66
3808332.51        2.91883  (10032206)
        466379.64   3808332.51        2.82609  (10032206)               466435.62
3808332.51        2.73782  (10032206)
        466491.60   3808332.51        2.65389  (10032206)               466547.58
3808332.51        2.57392  (10032206)
        466603.56   3808332.51        2.50330  (10032206)               466659.54
3808332.51        2.43125  (10032206)
        466715.52   3808332.51        2.36168  (10032206)               466771.50
3808332.51        2.29118  (10032206)
        466827.48   3808332.51        2.22849  (10032206)               466883.46
3808332.51        2.16828  (10032206)
        465763.86   3808398.73        4.16151  (10032206)               465819.84
3808398.73        4.00378  (10032206)
        465875.82   3808398.73        3.84625  (10032206)               465931.80
3808398.73        3.69930  (10032206)
        465987.78   3808398.73        3.56066  (10032206)               466043.76
3808398.73        3.43020  (10032206)
        466099.74   3808398.73        3.31104  (10032206)               466155.72
3808398.73        3.19399  (10032206)
        466211.70   3808398.73        3.08359  (10032206)               466267.68
3808398.73        2.98734  (10032206)
        466323.66   3808398.73        2.88822  (10032206)               466379.64
3808398.73        2.79481  (10032206)
        466435.62   3808398.73        2.70908  (10032206)               466491.60
3808398.73        2.62530  (10032206)
        466547.58   3808398.73        2.54557  (10032206)               466603.56
3808398.73        2.47028  (10032206)
        466659.54   3808398.73        2.39800  (10032206)               466715.52
3808398.73        2.32783  (10032206)
        466771.50   3808398.73        2.26180  (10032206)               466827.48
3808398.73        2.19800  (10032206)
        466883.46   3808398.73        2.13741  (10032206)               465763.86
3808464.95        4.03857  (10032206)
        465819.84   3808464.95        3.88215  (10032206)               465875.82
3808464.95        3.72749  (10032206)
        465931.80   3808464.95        3.58489  (10032206)               465987.78
3808464.95        3.45186  (10032206)
        466043.76   3808464.95        3.32978  (10032206)               466099.74
3808464.95        3.20929  (10032206)
        466155.72   3808464.95        3.09577  (10032206)               466211.70
3808464.95        2.98885  (10032206)
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        466267.68   3808464.95        2.89382  (10032206)                466323.66
3808464.95        2.79786  (10032206)
        466379.64   3808464.95        2.71051  (10032206)                466435.62
3808464.95        2.62469  (10032206)
        466491.60   3808464.95        2.54662  (10032206)                466547.58
3808464.95        2.46856  (10032206)
        466603.56   3808464.95        2.39439  (10032206)                466659.54
3808464.95        2.32384  (10032206)
        466715.52   3808464.95        2.25688  (10032206)                466771.50
3808464.95        2.19306  (10032206)
        466827.48   3808464.95        2.13206  (10032206)                466883.46
3808464.95        2.07384  (10032206)
        465763.86   3808531.17        3.81137  (10032206)                465819.84
3808531.17        3.65902  (10032206)
        465875.82   3808531.17        3.51644  (10032206)                465931.80
3808531.17        3.38266  (10032206)
        465987.78   3808531.17        3.26259  (10032206)                466043.76
3808531.17        3.14670  (10032206)
        466099.74   3808531.17        3.03787  (10032206)                466155.72
3808531.17        2.93252  (10032206)
        466211.70   3808531.17        2.83338  (10032206)                466267.68
3808531.17        2.74344  (10032206)
        466323.66   3808531.17        2.65750  (10032206)                466379.64
3808531.17        2.57365  (10032206)
        466435.62   3808531.17        2.49710  (10032206)                466491.60
3808531.17        2.42055  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 714
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                  L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                  L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                  L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466547.58	3808531.17	2.34783	(10032206)	466603.56	3808531.17	2.27861	(10032206)
466659.54	3808531.17	2.21259	(10032206)	466715.52	3808531.17	2.15014	(10032206)
466771.50	3808531.17	2.08966	(10032206)	466827.48	3808531.17	2.03350	(10032206)
466883.46	3808531.17	1.97903	(10032206)	465763.86	3808597.39	4.13853	(09031319)
465819.84	3808597.39	3.95477	(09031319)	465875.82	3808597.39	3.77327	(09031319)
465931.80	3808597.39	3.59732	(09031319)	465987.78	3808597.39	3.44523	(09031319)
466043.76	3808597.39	3.30416	(09031319)	466099.74	3808597.39	3.16557	(09031319)
466155.72	3808597.39	3.03666	(09031319)	466211.70	3808597.39	2.91582	(09031319)
466267.68	3808597.39	2.79997	(09031319)	466323.66	3808597.39	2.69590	(09031319)
466379.64	3808597.39	2.59640	(09031319)	466435.62	3808597.39	2.49892	(09031319)
466491.60	3808597.39	2.40870	(09031319)	466547.58	3808597.39	2.32214	(09031319)
466603.56	3808597.39	2.23886	(09031319)	466659.54	3808597.39	2.15986	(09031319)
466715.52	3808597.39	2.08523	(09031319)	466771.50	3808597.39	2.01424	(09031319)
466827.48	3808597.39	1.94672	(09031319)	466883.46	3808597.39	1.88427	(09031319)
465763.86	3808663.61	4.43605	(09031319)	465819.84	3808663.61	4.25107	(09031319)
465875.82	3808663.61	4.06597	(09031319)	465931.80	3808663.61	3.89234	(09031319)
465987.78	3808663.61	3.72968	(09031319)	466043.76	3808663.61	3.57600	(09031319)
466099.74	3808663.61	3.43460	(09031319)	466155.72	3808663.61	3.29730	(09031319)
466211.70	3808663.61	3.16711	(09031319)	466267.68	3808663.61	3.04476	(09031319)
466323.66	3808663.61	2.93666	(09031319)	466379.64	3808663.61	2.82684	(09031319)
466435.62	3808663.61	2.73002	(09031319)	466491.60	3808663.61	2.63093	(09031319)
466547.58	3808663.61	2.53659	(09031319)	466603.56	3808663.61	2.44710	(09031319)
466659.54	3808663.61	2.36205	(09031319)	466715.52			

3808663.61   2.28186 (09031319)
        466771.50   3808663.61   2.20552 (09031319)   466827.48
3808663.61   2.13621 (09031319)
        466883.46   3808663.61   2.06631 (09031319)   465763.86
3808729.83   4.56690 (09031319)
        465819.84   3808729.83   4.39616 (09031319)   465875.82
3808729.83   4.21947 (09031319)
        465931.80   3808729.83   4.04890 (09031319)   465987.78
3808729.83   3.88818 (09031319)
        466043.76   3808729.83   3.73704 (09031319)   466099.74
3808729.83   3.59394 (09031319)
        466155.72   3808729.83   3.45847 (09031319)   466211.70
3808729.83   3.32937 (09031319)
        466267.68   3808729.83   3.20766 (09031319)   466323.66
3808729.83   3.09982 (09031319)
        466379.64   3808729.83   2.99271 (09031319)   466435.62
3808729.83   2.88811 (09031319)
        466491.60   3808729.83   2.79212 (09031319)   466547.58
3808729.83   2.69625 (09031319)
        466603.56   3808729.83   2.60496 (09031319)   466659.54
3808729.83   2.52449 (09031319)
        466715.52   3808729.83   2.44111 (09031319)   466771.50
3808729.83   2.36209 (09031319)
        466827.48   3808729.83   2.28836 (09031319)   466883.46
3808729.83   2.21625 (09031319)
        465763.86   3808796.05   4.60772 (09010419)   465819.84
3808796.05   4.39316 (09010419)
        465875.82   3808796.05   4.19003 (09031319)   465931.80
3808796.05   4.04326 (09031319)
        465987.78   3808796.05   3.90077 (09031319)   466043.76
3808796.05   3.76557 (09031319)
        466099.74   3808796.05   3.63614 (09031319)   466155.72
3808796.05   3.51226 (09031319)
        466211.70   3808796.05   3.39369 (09031319)   466267.68
3808796.05   3.27996 (09031319)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                    INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                L0006114   , L0006115   , L0006116   , L0006117   , L0006118

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, L0006119    , L0006120    , L0006121    ,
                L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        466323.66   3808796.05        3.17350  (09031319)               466379.64
3808796.05        3.07078  (09031319)
        466435.62   3808796.05        2.97589  (09031319)               466491.60
3808796.05        2.87967  (09031319)
        466547.58   3808796.05        2.78829  (09031319)               466603.56
3808796.05        2.70458  (09031319)
        466659.54   3808796.05        2.62013  (09031319)               466715.52
3808796.05        2.54094  (09031319)
        466771.50   3808796.05        2.46394  (09031319)               466827.48
3808796.05        2.38933  (09031319)
        466883.46   3808796.05        2.32102  (09031319)               465763.86
3808862.27        4.86640  (09010419)
        465819.84   3808862.27        4.66199  (09010419)               465875.82
3808862.27        4.45981  (09010419)
        465931.80   3808862.27        4.25173  (09010419)               465987.78
3808862.27        4.05304  (09010419)
        466043.76   3808862.27        3.86405  (09010419)               466099.74
3808862.27        3.68914  (09010419)
        466155.72   3808862.27        3.51417  (09010419)               466211.70
3808862.27        3.35260  (09010419)
        466267.68   3808862.27        3.24426  (09031319)               466323.66
3808862.27        3.14916  (09031319)
        466379.64   3808862.27        3.05981  (09031319)               466435.62
3808862.27        2.97237  (09031319)
        466491.60   3808862.27        2.88800  (09031319)               466547.58
3808862.27        2.80697  (09031319)
        466603.56   3808862.27        2.72631  (09031319)               466659.54
3808862.27        2.65274  (09031319)
        466715.52   3808862.27        2.57742  (09031319)               466771.50
3808862.27        2.50579  (09031319)
        466827.48   3808862.27        2.43801  (09031319)               466883.46
3808862.27        2.37194  (09031319)
        465763.86   3808928.49        4.87986  (09010419)               465819.84
3808928.49        4.71232  (09010419)
        465875.82   3808928.49        4.55345  (09010419)               465931.80
3808928.49        4.38800  (09010419)
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        465987.78   3808928.49        4.22244  (09010419)                466043.76
3808928.49        4.06242  (09010419)
        466099.74   3808928.49        3.89070  (09010419)                466155.72
3808928.49        3.73164  (09010419)
        466211.70   3808928.49        3.57895  (09010419)                466267.68
3808928.49        3.43139  (09010419)
        466323.66   3808928.49        3.28944  (09010419)                466379.64
3808928.49        3.15357  (09010419)
        466435.62   3808928.49        3.02828  (09010419)                466491.60
3808928.49        2.90692  (09010419)
        466547.58   3808928.49        2.78891  (09010419)                466603.56
3808928.49        2.68093  (09031319)
        466659.54   3808928.49        2.61358  (09031319)                466715.52
3808928.49        2.55008  (09031319)
        466771.50   3808928.49        2.48619  (09031319)                466827.48
3808928.49        2.42725  (09031319)
        466883.46   3808928.49        2.36694  (09031319)                465763.86
3808994.71        4.78032  (09120320)
        465819.84   3808994.71        4.58621  (09010419)                465875.82
3808994.71        4.46219  (09010419)
        465931.80   3808994.71        4.34712  (09010419)                465987.78
3808994.71        4.23238  (09010419)
        466043.76   3808994.71        4.09526  (09010419)                466099.74
3808994.71        3.95412  (09010419)
        466155.72   3808994.71        3.81272  (09010419)                466211.70
3808994.71        3.67978  (09010419)
        466267.68   3808994.71        3.54912  (09010419)                466323.66
3808994.71        3.42199  (09010419)
        466379.64   3808994.71        3.29835  (09010419)                466435.62
3808994.71        3.17853  (09010419)
        466491.60   3808994.71        3.06618  (09010419)                466547.58
3808994.71        2.95966  (09010419)
        466603.56   3808994.71        2.85190  (09010419)                466659.54
3808994.71        2.74622  (09010419)
        466715.52   3808994.71        2.65158  (09010419)                466771.50
3808994.71        2.55270  (09010419)
        466827.48   3808994.71        2.45772  (09010419)                466883.46
3808994.71        2.37015  (09010419)
        465763.86   3809060.93        4.77349  (09120320)                465819.84
3809060.93        4.60745  (09120320)
        465875.82   3809060.93        4.45199  (09120320)                465931.80
3809060.93        4.29817  (09120320)
        465987.78   3809060.93        4.14435  (09120320)                466043.76
3809060.93        3.99055  (09120320)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 ,
L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 ,
L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 ,
L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466099.74	3809060.93	3.85880	(09010419)	466155.72	3809060.93	3.75582	(09010419)
466211.70	3809060.93	3.64859	(09010419)	466267.68	3809060.93	3.54418	(09010419)
466323.66	3809060.93	3.43940	(09010419)	466379.64	3809060.93	3.33533	(09010419)
466435.62	3809060.93	3.23825	(09010419)	466491.60	3809060.93	3.14076	(09010419)
466547.58	3809060.93	3.04089	(09010419)	466603.56	3809060.93	2.94563	(09010419)
466659.54	3809060.93	2.85650	(09010419)	466715.52	3809060.93	2.76222	(09010419)
466771.50	3809060.93	2.67127	(09010419)	466827.48	3809060.93	2.58455	(09010419)
466883.46	3809060.93	2.50126	(09010419)	465763.86	3809127.15	4.58390	(09120320)
465819.84	3809127.15	4.47765	(09120320)	465875.82	3809127.15	4.36861	(09120320)
465931.80	3809127.15	4.24911	(09120320)	465987.78	3809127.15	4.12639	(09120320)
466043.76	3809127.15	3.98594	(09120320)	466099.74	3809127.15	3.84616	(09120320)
466155.72	3809127.15	3.71388	(09120320)	466211.70	3809127.15	3.59947	(09120320)
466267.68	3809127.15	3.47630	(09120320)	466323.66	3809127.15	3.35396	(09010419)
466379.64	3809127.15	3.27342	(09010419)	466435.62			

3809127.15 3.19506 (09010419)
466491.60 3809127.15 3.11605 (09010419) 466547.58
3809127.15 3.03748 (09010419)
466603.56 3809127.15 2.96044 (09010419) 466659.54
3809127.15 2.87919 (09010419)
466715.52 3809127.15 2.80112 (09010419) 466771.50
3809127.15 2.72315 (09010419)
466827.48 3809127.15 2.64499 (09010419) 466883.46
3809127.15 2.57167 (09010419)
465763.86 3809193.37 4.53277 (10021420) 465819.84
3809193.37 4.28168 (10021420)
465875.82 3809193.37 4.11586 (09120320) 465931.80
3809193.37 4.04381 (09120320)
465987.78 3809193.37 3.95016 (09120320) 466043.76
3809193.37 3.83130 (09120320)
466099.74 3809193.37 3.74702 (09120320) 466155.72
3809193.37 3.65156 (09120320)
466211.70 3809193.37 3.56377 (09120320) 466267.68
3809193.37 3.47283 (09120320)
466323.66 3809193.37 3.37567 (09120320) 466379.64
3809193.37 3.27589 (09120320)
466435.62 3809193.37 3.17093 (09120320) 466491.60
3809193.37 3.06873 (09120320)
466547.58 3809193.37 2.96753 (09120320) 466603.56
3809193.37 2.88964 (09010419)
466659.54 3809193.37 2.82699 (09010419) 466715.52
3809193.37 2.76725 (09010419)
466771.50 3809193.37 2.70311 (09010419) 466827.48
3809193.37 2.64134 (09010419)
466883.46 3809193.37 2.57795 (09010419) 465763.86
3809259.59 4.68853 (10021420)
465819.84 3809259.59 4.47945 (10021420) 465875.82
3809259.59 4.25781 (10021420)
465931.80 3809259.59 4.03645 (10021420) 465987.78
3809259.59 3.80152 (10021420)
466043.76 3809259.59 3.58990 (09120320) 466099.74
3809259.59 3.53080 (09120320)
466155.72 3809259.59 3.48431 (09120320) 466211.70
3809259.59 3.43102 (09120320)
466267.68 3809259.59 3.37189 (09120320) 466323.66
3809259.59 3.29714 (09120320)
466379.64 3809259.59 3.22329 (09120320) 466435.62
3809259.59 3.14731 (09120320)
466491.60 3809259.59 3.06523 (09120320) 466547.58
3809259.59 2.98705 (09120320)
466603.56 3809259.59 2.90326 (09120320) 466659.54
3809259.59 2.81936 (09120320)
466715.52 3809259.59 2.74012 (09120320) 466771.50
3809259.59 2.65502 (09120320)
466827.48 3809259.59 2.57302 (09120320) 466883.46

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                   INCLUDING SOURCE(S):   L0006101   , L0006102
, L0006103   , L0006104   , L0006105   ,
                  L0006106   , L0006107   , L0006108   , L0006109   , L0006110
, L0006111   , L0006112   , L0006113   ,
                  L0006114   , L0006115   , L0006116   , L0006117   , L0006118
, L0006119   , L0006120   , L0006121   ,
                  L0006122   , L0006123   , L0006124   , L0006125   , L0006126
, L0006127   , L0006128   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        464543.41   3807141.91   22.90537 (09011918)   464563.41
3807141.91   23.24718 (09011918)
        464583.41   3807141.91   23.00348 (09011918)   464603.41
3807141.91   22.71378 (09011918)
        464623.41   3807141.91   22.26519 (09011918)   464643.41
3807141.91   21.40449 (09011918)
        464663.41   3807141.91   20.53934 (09011918)   464683.41
3807141.91   19.57450 (09011918)
        464703.41   3807141.91   18.32014 (09011918)   464723.41
3807141.91   17.18764 (09011918)
        464743.41   3807141.91   16.06554 (09011918)   464763.41
3807141.91   14.85580 (09011918)
        464783.41   3807141.91   13.65578 (09011918)   464803.41
3807141.91   12.44903 (09011918)
        464823.41   3807141.91   11.21507 (09011918)   464843.41
3807141.91   10.09769 (09011918)
        464863.41   3807141.91   9.04583 (09011918)   464883.41
3807141.91   8.15035 (09122717)

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        464903.41   3807141.91        7.64302  (09122717)              464923.41
3807141.91        7.10674  (09122717)
        464503.41   3807161.91       22.71333  (09011918)              464523.41
3807161.91       23.19621  (09011918)
        464543.41   3807161.91       23.59712  (09011918)              464563.41
3807161.91       23.78906  (09011918)
        464583.41   3807161.91       23.38684  (09011918)              464603.41
3807161.91       22.75106  (09011918)
        464623.41   3807161.91       21.96735  (09011918)              464643.41
3807161.91       21.25874  (09011918)
        464663.41   3807161.91       20.18398  (09011918)              464683.41
3807161.91       18.95701  (09011918)
        464703.41   3807161.91       17.87409  (09011918)              464723.41
3807161.91       16.73798  (09011918)
        464743.41   3807161.91       15.51647  (09011918)              464763.41
3807161.91       14.13080  (09011918)
        464783.41   3807161.91       12.90470  (09011918)              464803.41
3807161.91       11.73716  (09011918)
        464823.41   3807161.91       10.58891  (09011918)              464843.41
3807161.91        9.49283  (09011918)
        464863.41   3807161.91        8.45328  (09011918)              464883.41
3807161.91        7.85891  (09122717)
        464903.41   3807161.91        7.38343  (09122717)              464923.41
3807161.91        6.90483  (09122717)
        464503.41   3807181.91       23.42982  (09011918)              464523.41
3807181.91       23.90625  (09011918)
        464543.41   3807181.91       24.08123  (09011918)              464563.41
3807181.91       23.97158  (09011918)
        464583.41   3807181.91       23.60688  (09011918)              464603.41
3807181.91       22.85355  (09011918)
        464623.41   3807181.91       21.88909  (09011918)              464643.41
3807181.91       21.10206  (09011918)
        464663.41   3807181.91       19.89778  (09011918)              464683.41
3807181.91       18.54905  (09011918)
        464703.41   3807181.91       17.42518  (09011918)              464723.41
3807181.91       16.13170  (09011918)
        464743.41   3807181.91       14.79330  (09011918)              464763.41
3807181.91       13.48691  (09011918)
        464783.41   3807181.91       12.27087  (09011918)              464803.41
3807181.91       11.09282  (09011918)
        464823.41   3807181.91        9.93970  (09011918)              464843.41
3807181.91        8.87804  (09011918)
        464863.41   3807181.91        8.13240  (09122717)              464883.41
3807181.91        7.62574  (09122717)
        464903.41   3807181.91        7.06683  (09122717)              464923.41
3807181.91        6.56925  (09122717)
        464503.41   3807201.91       24.07342  (09011918)              464523.41
3807201.91       24.55093  (09011918)
        464543.41   3807201.91       24.49094  (09011918)              464563.41
3807201.91       24.06135  (09011918)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 ,
L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 ,
L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 ,
L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464823.41	3807201.91	9.30943	(09011918)	464843.41	3807201.91	8.28408	(09011918)
464863.41	3807201.91	7.72983	(09122717)	464883.41	3807201.91	7.30252	(09122717)
464903.41	3807201.91	6.78350	(09122717)	464923.41	3807201.91	6.43618	(09030119)
464503.41	3807221.91	24.85193	(09011918)	464523.41	3807221.91	25.16700	(09011918)
464543.41	3807221.91	24.93201	(09011918)	464563.41			

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3807221.91       24.27986  (09011918)
        464583.41   3807221.91       23.41058  (09011918)                464603.41
3807221.91       22.54661  (09011918)
        464623.41   3807221.91       21.55206  (09011918)                464643.41
3807221.91       20.17726  (09011918)
        464663.41   3807221.91       18.90425  (09011918)                464683.41
3807221.91       17.60205  (09011918)
        464703.41   3807221.91       16.09670  (09011918)                464723.41
3807221.91       14.74348  (09011918)
        464743.41   3807221.91       13.46143  (09011918)                464763.41
3807221.91       12.20952  (09011918)
        464783.41   3807221.91       10.94693  (09011918)                464803.41
3807221.91        9.76817  (09011918)
        464823.41   3807221.91        8.70025  (09011918)                464843.41
3807221.91        7.93533  (09122717)
        464863.41   3807221.91        7.32135  (09122717)                464883.41
3807221.91        6.91230  (09122717)
        464903.41   3807221.91        6.71510  (09030119)                464923.41
3807221.91        6.91643  (09030119)
        464503.41   3807241.91       25.51861  (09011918)                464523.41
3807241.91       25.45197  (09011918)
        464543.41   3807241.91       25.09642  (09011918)                464563.41
3807241.91       24.44155  (09011918)
        464583.41   3807241.91       23.35504  (09011918)                464603.41
3807241.91       22.36194  (09011918)
        464623.41   3807241.91       21.26618  (09011918)                464643.41
3807241.91       19.74346  (09011918)
        464663.41   3807241.91       18.28031  (09011918)                464683.41
3807241.91       16.85082  (09011918)
        464703.41   3807241.91       15.43010  (09011918)                464723.41
3807241.91       14.10056  (09011918)
        464743.41   3807241.91       12.79642  (09011918)                464763.41
3807241.91       11.48840  (09011918)
        464783.41   3807241.91       10.26855  (09011918)                464803.41
3807241.91        9.13642  (09011918)
        464823.41   3807241.91        8.19087  (09122717)                464843.41
3807241.91        7.58951  (09122717)
        464863.41   3807241.91        7.10888  (09122717)                464883.41
3807241.91        6.85808  (09030119)
        464903.41   3807241.91        6.92661  (09030119)                464923.41
3807241.91        7.07190  (09030119)
        464503.41   3807261.91       26.09939  (09011918)                464523.41
3807261.91       25.64472  (09011918)
        464543.41   3807261.91       25.17019  (09011918)                464563.41
3807261.91       24.50067  (09011918)
        464583.41   3807261.91       23.26141  (09011918)                464603.41
3807261.91       22.06794  (09011918)
        464623.41   3807261.91       20.79629  (09011918)                464643.41
3807261.91       19.26201  (09011918)
        464663.41   3807261.91       17.65311  (09011918)                464683.41
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3807261.91   16.09570 (09011918)
        464703.41   3807261.91   14.77046 (09011918)   464723.41
3807261.91   13.41733 (09011918)
        464743.41   3807261.91   12.08035 (09011918)   464763.41
3807261.91   10.77822 (09011918)
        464783.41   3807261.91   9.59802 (09011918)   464803.41
3807261.91   8.51944 (09011918)
        464823.41   3807261.91   7.82140 (09122717)   464843.41
3807261.91   7.28620 (09122717)
        464863.41   3807261.91   6.80845 (09122717)   464883.41
3807261.91   7.09548 (09030119)
        464903.41   3807261.91   7.09932 (09030119)   464923.41
3807261.91   6.81402 (09030119)
        464503.41   3807281.91   26.60705 (09011918)   464523.41
3807281.91   25.95996 (09011918)
        464543.41   3807281.91   25.29711 (09011918)   464563.41
3807281.91   24.44535 (09011918)
        464583.41   3807281.91   23.05885 (09011918)   464603.41
3807281.91   21.56153 (09011918)
        464623.41   3807281.91   20.03875 (09011918)   464643.41
3807281.91   18.65290 (09011918)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                 INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                 L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                 L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                 L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
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      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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        464663.41   3807281.91       17.06035  (09011918)               464683.41
3807281.91       15.47229  (09011918)
        464703.41   3807281.91       14.09857  (09011918)               464723.41
3807281.91       12.66959  (09011918)
        464743.41   3807281.91       11.31564  (09011918)               464763.41
3807281.91       10.09684  (09011918)
        464783.41   3807281.91        8.95321  (09011918)               464803.41
3807281.91        8.06805  (09122717)
        464823.41   3807281.91        7.59751  (09122717)               464843.41
3807281.91        6.99578  (09122717)
        464863.41   3807281.91        6.66389  (09030119)               464883.41
3807281.91        6.98054  (09030119)
        464903.41   3807281.91        6.84361  (09030119)               464923.41
3807281.91        6.65378  (09030119)
        464503.41   3807301.91       26.72310  (09011918)               464523.41
3807301.91       26.08510  (09011918)
        464543.41   3807301.91       25.16084  (09011918)               464563.41
3807301.91       24.00645  (09011918)
        464583.41   3807301.91       22.68066  (09011918)               464603.41
3807301.91       21.10326  (09011918)
        464623.41   3807301.91       19.46108  (09011918)               464643.41
3807301.91       18.02674  (09011918)
        464663.41   3807301.91       16.40010  (09011918)               464683.41
3807301.91       14.79376  (09011918)
        464703.41   3807301.91       13.38326  (09011918)               464723.41
3807301.91       11.95347  (09011918)
        464743.41   3807301.91       10.60917  (09011918)               464763.41
3807301.91        9.41344  (09011918)
        464783.41   3807301.91        8.38051  (09122717)               464803.41
3807301.91        7.84834  (09122717)
        464823.41   3807301.91        7.38815  (09122717)               464843.41
3807301.91        7.26342  (09030119)
        464863.41   3807301.91        6.87763  (09030119)               464883.41
3807301.91        6.99522  (09030119)
        464903.41   3807301.91        6.95761  (09030119)               464923.41
3807301.91        6.89989  (09030119)
        464503.41   3807321.91       26.73859  (09011918)               464523.41
3807321.91       26.10321  (09011918)
        464543.41   3807321.91       24.92960  (09011918)               464563.41
3807321.91       23.49497  (09011918)
        464583.41   3807321.91       22.21284  (09011918)               464603.41
3807321.91       20.58011  (09011918)
        464623.41   3807321.91       18.86109  (09011918)               464643.41
3807321.91       17.33885  (09011918)
        464663.41   3807321.91       15.67818  (09011918)               464683.41
3807321.91       14.06224  (09011918)
        464703.41   3807321.91       12.61372  (09011918)               464723.41
3807321.91       11.21562  (09011918)
        464743.41   3807321.91        9.92517  (09011918)               464763.41
3807321.91        8.75883  (09011918)
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        464783.41   3807321.91        8.11861  (09122717)               464803.41
3807321.91        7.60164  (09122717)
        464823.41   3807321.91        7.77325  (09030119)               464843.41
3807321.91        7.63375  (09030119)
        464863.41   3807321.91        7.19131  (09030119)               464883.41
3807321.91        7.11781  (09030119)
        464903.41   3807321.91        7.07592  (09030119)               464923.41
3807321.91        7.28080  (09030119)
        464503.41   3807341.91       26.89899  (09011918)               464523.41
3807341.91       26.05591  (09011918)
        464543.41   3807341.91       24.70546  (09011918)               464563.41
3807341.91       23.12430  (09011918)
        464583.41   3807341.91       21.69175  (09011918)               464603.41
3807341.91       19.96098  (09011918)
        464623.41   3807341.91       18.17904  (09011918)               464643.41
3807341.91       16.58212  (09011918)
        464663.41   3807341.91       14.90150  (09011918)               464683.41
3807341.91       13.28305  (09011918)
        464703.41   3807341.91       11.79854  (09011918)               464723.41
3807341.91       10.46355  (09011918)
        464743.41   3807341.91        9.28998  (09122717)               464763.41
3807341.91        8.46064  (09122717)
        464783.41   3807341.91        7.90909  (09122717)               464803.41
3807341.91        7.97651  (09030119)
        464823.41   3807341.91        7.82024  (09030119)               464843.41
3807341.91        7.37055  (09030119)
        464863.41   3807341.91        7.16777  (09030119)               464883.41
3807341.91        7.26564  (09030119)
        464903.41   3807341.91        7.47569  (09030119)               464923.41
3807341.91        7.51756  (09030119)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 720
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464503.41	3807361.91	26.89096	(09011918)	464523.41	3807361.91	25.64643	(09011918)
464543.41	3807361.91	24.20303	(09011918)	464563.41	3807361.91	22.63783	(09011918)
464583.41	3807361.91	21.06506	(09011918)	464603.41	3807361.91	19.25060	(09011918)
464623.41	3807361.91	17.40428	(09011918)	464643.41	3807361.91	15.68524	(09011918)
464663.41	3807361.91	14.04055	(09011918)	464683.41	3807361.91	12.48585	(09011918)
464703.41	3807361.91	11.03455	(09011918)	464723.41	3807361.91	9.73360	(09011918)
464743.41	3807361.91	8.85833	(09122717)	464763.41	3807361.91	8.21336	(09122717)
464783.41	3807361.91	8.00090	(09030119)	464803.41	3807361.91	8.02667	(09030119)
464823.41	3807361.91	7.56075	(09030119)	464843.41	3807361.91	7.50815	(09030119)
464863.41	3807361.91	7.45037	(09030119)	464883.41	3807361.91	7.67383	(09030119)
464903.41	3807361.91	7.54734	(09030119)	464923.41	3807361.91	6.39930	(09030119)
464503.41	3807381.91	26.64937	(09011918)	464523.41	3807381.91	25.12138	(09011918)
464543.41	3807381.91	23.61315	(09011918)	464563.41	3807381.91	22.02940	(09011918)
464583.41	3807381.91	20.28923	(09011918)	464603.41	3807381.91	18.42667	(09011918)
464623.41	3807381.91	16.57114	(09011918)	464643.41	3807381.91	14.78477	(09011918)
464663.41	3807381.91	13.16725	(09011918)	464683.41	3807381.91	11.66004	(09011918)
464703.41	3807381.91	10.26629	(09011918)	464723.41	3807381.91	9.21372	(09122717)
464743.41	3807381.91	8.43715	(09122717)	464763.41	3807381.91	8.37839	(09030119)
464783.41	3807381.91	8.40717	(09030119)	464803.41	3807381.91	7.93234	(09030119)
464823.41	3807381.91	7.69887	(09030119)	464843.41	3807381.91	7.64969	(09030119)
464863.41	3807381.91	7.87531	(09030119)	464883.41			

3807381.91   7.91187 (09030119)
        464903.41   3807381.91   6.68995 (09030119)   464923.41
3807381.91   5.93615 (09030119)
        464503.41   3807401.91   26.06585 (09011918)   464523.41
3807401.91   24.63289 (09011918)
        464543.41   3807401.91   23.04551 (09011918)   464563.41
3807401.91   21.29283 (09011918)
        464583.41   3807401.91   19.32732 (09011918)   464603.41
3807401.91   17.48420 (09011918)
        464623.41   3807401.91   15.69188 (09011918)   464643.41
3807401.91   13.92337 (09011918)
        464663.41   3807401.91   12.30349 (09011918)   464683.41
3807401.91   10.83714 (09011918)
        464703.41   3807401.91   9.76925 (09122717)   464723.41
3807401.91   8.97346 (09122717)
        464743.41   3807401.91   8.60711 (09030119)   464763.41
3807401.91   8.44646 (09030119)
        464783.41   3807401.91   8.32398 (09030119)   464803.41
3807401.91   8.48384 (09030119)
        464823.41   3807401.91   8.18302 (09030119)   464843.41
3807401.91   8.09634 (09030119)
        464863.41   3807401.91   8.14370 (09030119)   464883.41
3807401.91   6.73858 (09030119)
        464903.41   3807401.91   6.55708 (09030119)   464923.41
3807401.91   6.12457 (09030119)
        464503.41   3807421.91   25.64671 (09011918)   464523.41
3807421.91   24.08793 (09011918)
        464543.41   3807421.91   22.26520 (09011918)   464563.41
3807421.91   20.33835 (09011918)
        464583.41   3807421.91   18.41395 (09011918)   464603.41
3807421.91   16.52631 (09011918)
        464623.41   3807421.91   14.71927 (09011918)   464643.41
3807421.91   13.02180 (09011918)
        464663.41   3807421.91   11.45191 (09011918)   464683.41
3807421.91   10.10977 (09122717)
        464703.41   3807421.91   9.35698 (09122717)   464723.41
3807421.91   9.08253 (09030119)
        464743.41   3807421.91   9.31032 (09030119)   464763.41
3807421.91   8.89774 (09030119)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                    INCLUDING SOURCE(S):   L0006101   , L0006102

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, L0006103    , L0006104    , L0006105    ,
                L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464783.41   3807421.91        8.53467  (09030119)               464803.41
3807421.91        8.61087  (09030119)
        464823.41   3807421.91        8.49311  (09030119)               464843.41
3807421.91        8.18606  (09030119)
        464863.41   3807421.91        6.93658  (09030119)               464883.41
3807421.91        6.86576  (09030119)
        464903.41   3807421.91        6.05941  (09030119)               464923.41
3807421.91        5.94310  (09030119)
        464503.41   3807441.91       25.15373  (09011918)               464523.41
3807441.91       23.36819  (09011918)
        464543.41   3807441.91       21.37151  (09011918)               464563.41
3807441.91       19.34906  (09011918)
        464583.41   3807441.91       17.44655  (09011918)               464603.41
3807441.91       15.54600  (09011918)
        464623.41   3807441.91       13.75595  (09011918)               464643.41
3807441.91       12.11028  (09011918)
        464663.41   3807441.91       10.67451  (09122717)               464683.41
3807441.91        9.82656  (09122717)
        464703.41   3807441.91        9.31923  (09030119)               464723.41
3807441.91        9.57170  (09030119)
        464743.41   3807441.91        9.80565  (09030119)               464763.41
3807441.91        9.53176  (09030119)
        464783.41   3807441.91        8.88984  (09030119)               464803.41
3807441.91        8.55751  (09030119)
        464823.41   3807441.91        8.79181  (09030119)               464843.41
3807441.91        7.27622  (09030119)
        464863.41   3807441.91        6.44080  (09030119)               464883.41
3807441.91        6.47073  (09030119)
        464903.41   3807441.91        6.10548  (09030119)               464923.41
3807441.91        6.08658  (09030119)
        464503.41   3807461.91       24.49876  (09011918)               464523.41
3807461.91       22.39496  (09011918)
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        464543.41   3807461.91       20.39452  (09011918)               464563.41
3807461.91       18.41284  (09011918)
        464583.41   3807461.91       16.39936  (09011918)               464603.41
3807461.91       14.55132  (09011918)
        464623.41   3807461.91       12.81655  (09011918)               464643.41
3807461.91       11.22019  (09011918)
        464663.41   3807461.91       10.28846  (09122717)               464683.41
3807461.91       10.31448  (09030119)
        464703.41   3807461.91       10.11496  (09030119)               464723.41
3807461.91       10.05182  (09030119)
        464743.41   3807461.91        9.61163  (09030119)               464763.41
3807461.91        9.78791  (09030119)
        464783.41   3807461.91        9.45224  (09030119)               464803.41
3807461.91        9.04625  (09030119)
        464823.41   3807461.91        9.26407  (09030119)               464843.41
3807461.91        7.59670  (09030119)
        464863.41   3807461.91        6.65338  (09030119)               464883.41
3807461.91        6.66890  (09030119)
        464903.41   3807461.91        6.25226  (09030119)               464923.41
3807461.91        6.21920  (09030119)
        464503.41   3807481.91       23.74852  (09011918)               464523.41
3807481.91       21.51723  (09011918)
        464543.41   3807481.91       19.38356  (09011918)               464563.41
3807481.91       17.34175  (09011918)
        464583.41   3807481.91       15.39360  (09011918)               464603.41
3807481.91       13.56419  (09011918)
        464623.41   3807481.91       11.87867  (09011918)               464643.41
3807481.91       10.69941  (09122717)
        464663.41   3807481.91       10.36810  (09030119)               464683.41
3807481.91       10.66312  (09030119)
        464703.41   3807481.91       10.90170  (09030119)               464723.41
3807481.91       10.59530  (09030119)
        464743.41   3807481.91       10.06450  (09030119)               464763.41
3807481.91       10.42153  (09030119)
        464783.41   3807481.91       10.02213  (09030119)               464803.41
3807481.91        9.53728  (09030119)
        464823.41   3807481.91        9.73434  (09030119)               464843.41
3807481.91        7.91327  (09030119)
        464863.41   3807481.91        6.85510  (09030119)               464883.41
3807481.91        6.42644  (09030119)
        464903.41   3807481.91        6.38908  (09030119)               464923.41
3807481.91        6.34059  (09030119)
        464503.41   3807501.91       22.81186  (09011918)               464523.41
3807501.91       20.52043  (09011918)
        464543.41   3807501.91       18.32622  (09011918)               464563.41
3807501.91       16.26746  (09011918)
        464583.41   3807501.91       14.37026  (09011918)               464603.41
3807501.91       12.58585  (09011918)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
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                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                 INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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3807521.91       11.26596  (09030119)
        464663.41   3807521.91       11.54940  (09030119)                464683.41
3807521.91       11.80371  (09030119)
        464703.41   3807521.91       11.39780  (09030119)                464723.41
3807521.91       11.09236  (09030119)
        464743.41   3807521.91       11.17280  (09030119)                464763.41
3807521.91       10.81099  (09030119)
        464783.41   3807521.91       10.36366  (09030119)                464803.41
3807521.91       10.27504  (09030119)
        464823.41   3807521.91        8.25349  (09030119)                464843.41
3807521.91        7.91028  (09030119)
        464863.41   3807521.91        7.22954  (09030119)                464883.41
3807521.91        6.69416  (09030119)
        464903.41   3807521.91        6.62440  (09030119)                464923.41
3807521.91        6.68021  (09031219)
        464503.41   3807541.91       20.45601  (09011918)                464523.41
3807541.91       18.24251  (09011918)
        464543.41   3807541.91       16.12676  (09011918)                464563.41
3807541.91       14.15022  (09011918)
        464583.41   3807541.91       12.33613  (09011918)                464603.41
3807541.91       11.30023  (09030119)
        464623.41   3807541.91       11.63949  (09030119)                464643.41
3807541.91       11.91468  (09030119)
        464663.41   3807541.91       11.88875  (09030119)                464683.41
3807541.91       12.01076  (09030119)
        464703.41   3807541.91       11.65486  (09030119)                464723.41
3807541.91       11.25932  (09030119)
        464743.41   3807541.91       11.19784  (09030119)                464763.41
3807541.91       10.88825  (09030119)
        464783.41   3807541.91       10.83244  (09030119)                464803.41
3807541.91       10.72461  (09030119)
        464823.41   3807541.91        8.34848  (09030119)                464843.41
3807541.91        7.10690  (09030119)
        464863.41   3807541.91        6.88262  (09030119)                464883.41
3807541.91        6.83285  (09031219)
        464903.41   3807541.91        6.90742  (09031219)                464923.41
3807541.91        6.96623  (09031219)
        464503.41   3807561.91       19.28184  (09011918)                464523.41
3807561.91       17.11103  (09011918)
        464543.41   3807561.91       15.01659  (09011918)                464563.41
3807561.91       13.10657  (09011918)
        464583.41   3807561.91       11.66584  (09030119)                464603.41
3807561.91       12.00389  (09030119)
        464623.41   3807561.91       12.00932  (09030119)                464643.41
3807561.91       12.52965  (09030119)
        464663.41   3807561.91       12.40165  (09030119)                464683.41
3807561.91       11.55723  (09030119)
        464703.41   3807561.91       11.86545  (09030119)                464723.41
3807561.91       11.56435  (09030119)
        464743.41   3807561.91       10.99080  (09030119)                464763.41
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3807561.91   11.17374 (09030119)
        464783.41   3807561.91   11.07028 (09030119)   464803.41
3807561.91   10.66207 (09030119)
        464823.41   3807561.91   8.60332 (09030119)   464843.41
3807561.91   7.07981 (09030119)
        464863.41   3807561.91   7.07303 (09031219)   464883.41
3807561.91   7.14466 (09031219)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                   INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                  L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                  L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                  L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464903.41   3807561.91   7.20061 (09031219)   464923.41
3807561.91   7.24001 (09031219)
        464503.41   3807581.91   18.15772 (09011918)   464523.41
3807581.91   15.92851 (09011918)
        464543.41   3807581.91   13.91096 (09011918)   464563.41
3807581.91   12.28492 (09030119)
        464583.41   3807581.91   12.33694 (09030119)   464603.41
3807581.91   12.66391 (09030119)
        464623.41   3807581.91   12.95587 (09030119)   464643.41
3807581.91   12.51583 (09030119)
        464663.41   3807581.91   12.18391 (09030119)   464683.41
3807581.91   12.27579 (09030119)
        464703.41   3807581.91   11.87666 (09030119)   464723.41
3807581.91   11.38072 (09030119)

```
        464743.41   3807581.91       11.53256  (09030119)               464763.41
3807581.91       11.67898  (09030119)
        464783.41   3807581.91       10.94262  (09030119)               464803.41
3807581.91        8.85207  (09030119)
        464823.41   3807581.91        8.61655  (09030119)               464843.41
3807581.91        7.32335  (09031219)
        464863.41   3807581.91        7.39380  (09031219)               464883.41
3807581.91        7.44513  (09031219)
        464903.41   3807581.91        7.48005  (09031219)               464923.41
3807581.91        7.49789  (09031219)
        464503.41   3807601.91       16.91975  (09011918)               464523.41
3807601.91       14.76901  (09011918)
        464543.41   3807601.91       12.86423  (09011918)               464563.41
3807601.91       12.76736  (09030119)
        464583.41   3807601.91       13.08704  (09030119)               464603.41
3807601.91       13.06970  (09030119)
        464623.41   3807601.91       13.21442  (09030119)               464643.41
3807601.91       12.82628  (09030119)
        464663.41   3807601.91       12.39218  (09030119)               464683.41
3807601.91       12.32411  (09030119)
        464703.41   3807601.91       11.97866  (09030119)               464723.41
3807601.91       11.91017  (09030119)
        464743.41   3807601.91       11.81024  (09030119)               464763.41
3807601.91        9.63455  (09030119)
        464783.41   3807601.91        9.36108  (09030119)               464803.41
3807601.91        8.07817  (09030119)
        464823.41   3807601.91        7.58761  (09031219)               464843.41
3807601.91        7.65433  (09031219)
        464863.41   3807601.91        7.70223  (09031219)               464883.41
3807601.91        7.73167  (09031219)
        464903.41   3807601.91        7.74295  (09031219)               464923.41
3807601.91        7.75741  (10020118)
        464503.41   3807621.91       15.69773  (09011918)               464523.41
3807621.91       13.65970  (09011918)
        464543.41   3807621.91       12.77339  (09030119)               464563.41
3807621.91       13.21127  (09030119)
        464583.41   3807621.91       13.80223  (09030119)               464603.41
3807621.91       13.66986  (09030119)
        464623.41   3807621.91       12.73984  (09030119)               464643.41
3807621.91       13.08497  (09030119)
        464663.41   3807621.91       12.75147  (09030119)               464683.41
3807621.91       12.11347  (09030119)
        464703.41   3807621.91       12.30795  (09030119)               464723.41
3807621.91       12.18282  (09030119)
        464743.41   3807621.91       11.71897  (09030119)               464763.41
3807621.91        9.43118  (09030119)
        464783.41   3807621.91        8.32263  (09030119)               464803.41
3807621.91        7.94391  (09031219)
        464823.41   3807621.91        7.92867  (09031219)               464843.41
3807621.91        7.97149  (09031219)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102
, L0006103 , L0006104 , L0006105 ,
L0006106 , L0006107 , L0006108 , L0006109 , L0006110
, L0006111 , L0006112 , L0006113 ,
L0006114 , L0006115 , L0006116 , L0006117 , L0006118
, L0006119 , L0006120 , L0006121 ,
L0006122 , L0006123 , L0006124 , L0006125 , L0006126
, L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)
Y-COORD (M) CONC (YYMMDDHH)
- - - -

3807641.91 8.27015 (09031219)
  464863.41 3807641.91 8.28035 (10020118) 464883.41
3807641.91 8.34473 (10020118)
  464903.41 3807641.91 8.38937 (10020118) 464923.41
3807641.91 8.41406 (10020118)
  464503.41 3807661.91 13.37032 (09011918) 464523.41
3807661.91 13.37744 (09030119)
  464543.41 3807661.91 14.03917 (09030119) 464563.41
3807661.91 14.62341 (09030119)
  464583.41 3807661.91 14.19835 (09030119) 464603.41
3807661.91 13.71954 (09030119)
  464623.41 3807661.91 13.64361 (09030119) 464643.41
3807661.91 13.25529 (09030119)
  464663.41 3807661.91 12.56540 (09030119) 464683.41
3807661.91 10.54439 (09030119)
  464703.41 3807661.91 10.58352 (09030119) 464723.41
3807661.91 10.30023 (09030119)
  464743.41 3807661.91 8.85739 (09030119) 464763.41
3807661.91 8.46515 (09031219)
  464783.41 3807661.91 8.51850 (09031219) 464803.41
3807661.91 8.54935 (09031219)
  464823.41 3807661.91 8.55836 (09031219) 464843.41
3807661.91 8.60114 (10020118)
  464863.41 3807661.91 8.65917 (10020118) 464883.41
3807661.91 8.69582 (10020118)
  464903.41 3807661.91 8.71153 (10020118) 464923.41
3807661.91 8.70697 (10020118)
  464503.41 3807681.91 12.37852 (09030119) 464523.41
3807681.91 12.97596 (09030119)
  464543.41 3807681.91 13.53150 (09030119) 464563.41
3807681.91 14.03789 (09030119)
  464583.41 3807681.91 14.48882 (09030119) 464603.41
3807681.91 14.14682 (09030119)
  464623.41 3807681.91 13.42026 (09030119) 464643.41
3807681.91 13.30369 (09030119)
  464663.41 3807681.91 10.90254 (09030119) 464683.41
3807681.91 9.30406 (09030119)
  464703.41 3807681.91 9.01557 (09030119) 464723.41
3807681.91 8.91303 (09030119)
  464743.41 3807681.91 8.88250 (09031219) 464763.41
3807681.91 8.83659 (09031219)
  464783.41 3807681.91 8.85983 (09031219) 464803.41
3807681.91 8.86412 (10020118)
  464823.41 3807681.91 8.93801 (10020118) 464843.41
3807681.91 8.98820 (10020118)
  464863.41 3807681.91 9.01571 (10020118) 464883.41
3807681.91 9.02134 (10020118)
  464903.41 3807681.91 9.00558 (10020118) 464923.41
3807681.91 8.96963 (10020118)
  464523.41 3807701.91 12.79559 (09030119) 464543.41

3807701.91   13.24131 (09030119)
        464563.41   3807701.91   13.63666 (09030119)   464583.41
3807701.91   13.97697 (09030119)
        464603.41   3807701.91   13.96704 (09030119)   464623.41
3807701.91   13.81910 (09030119)
        464643.41   3807701.91   11.02929 (09030119)   464663.41
3807701.91   10.51848 (09030119)
        464683.41   3807701.91   9.54096 (09030119)   464703.41
3807701.91   9.06677 (09031219)
        464723.41   3807701.91   9.13216 (09031219)   464743.41
3807701.91   9.17112 (09031219)
        464763.41   3807701.91   9.18524 (09031219)   464783.41
3807701.91   9.22517 (10020118)
        464803.41   3807701.91   9.29147 (10020118)   464823.41
3807701.91   9.33244 (10020118)
        464843.41   3807701.91   9.34995 (10020118)   464863.41
3807701.91   9.34402 (10020118)
        464883.41   3807701.91   9.31590 (10020118)   464903.41
3807701.91   9.26634 (10020118)
        464923.41   3807701.91   9.19644 (10020118)   464543.41
3807721.91   12.97662 (09030119)
        464563.41   3807721.91   14.16827 (09030119)   464583.41
3807721.91   14.44483 (09030119)
        464603.41   3807721.91   14.65836 (09030119)   464623.41
3807721.91   14.46745 (09030119)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                   INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                 L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                 L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                 L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464643.41	3807721.91	11.17164	(09030119)	464663.41	3807721.91	9.41518	(09031219)
464683.41	3807721.91	9.43279	(09031219)	464703.41	3807721.91	9.49237	(09031219)
464723.41	3807721.91	9.52349	(09031219)	464743.41	3807721.91	9.52777	(09031219)
464763.41	3807721.91	9.60480	(10020118)	464783.41	3807721.91	9.66208	(10020118)
464803.41	3807721.91	9.69319	(10020118)	464823.41	3807721.91	9.69893	(10020118)
464843.41	3807721.91	9.68016	(10020118)	464863.41	3807721.91	9.63799	(10020118)
464883.41	3807721.91	9.57366	(10020118)	464903.41	3807721.91	9.48861	(10020118)
464923.41	3807721.91	9.38428	(10020118)	464943.41	3807721.91	9.26201	(10020118)
464963.41	3807721.91	9.12326	(10020118)	464983.41	3807721.91	8.96981	(10020118)
465003.41	3807721.91	8.80283	(10020118)	465023.41	3807721.91	8.62434	(10020118)
465043.41	3807721.91	8.43583	(10020118)	465063.41	3807721.91	8.23844	(10020118)
465083.41	3807721.91	8.03397	(10020118)	465103.41	3807721.91	7.82420	(10020118)
465123.41	3807721.91	7.61206	(10020118)	465143.41	3807721.91	7.39436	(10020118)
465163.41	3807721.91	7.17385	(10020118)	465183.41	3807721.91	6.95441	(10020118)
465203.41	3807721.91	6.73276	(10020118)	465223.41	3807721.91	6.51064	(10020118)
465243.41	3807721.91	6.28946	(10020118)	465263.41	3807721.91	6.07035	(10020118)
465283.41	3807721.91	5.85434	(10020118)	465303.41	3807721.91	5.64347	(10020118)
465323.41	3807721.91	5.43424	(10020118)	465343.41	3807721.91	5.27088	(10102019)
465363.41	3807721.91	5.15511	(10102019)	465383.41	3807721.91	5.03729	(10102019)
464543.41	3807741.91	10.41447	(09030119)	464563.41	3807741.91	13.98269	(09030119)
464583.41	3807741.91	14.51458	(09030119)	464603.41	3807741.91	14.67548	(09030119)
464623.41	3807741.91	14.39430	(09030119)	464643.41	3807741.91	11.22061	(09030119)
464663.41	3807741.91	9.82022	(09031219)	464683.41	3807741.91	9.87283	(09031219)

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        464703.41   3807741.91        9.89413  (09031219)                464723.41
3807741.91        9.92870  (10020118)
        464743.41   3807741.91       10.00390  (10020118)                464763.41
3807741.91       10.05164  (10020118)
        464783.41   3807741.91       10.07087  (10020118)                464803.41
3807741.91       10.06325  (10020118)
        464823.41   3807741.91       10.03013  (10020118)                464843.41
3807741.91        9.97252  (10020118)
        464863.41   3807741.91        9.89215  (10020118)                464883.41
3807741.91        9.78951  (10020118)
        464903.41   3807741.91        9.66788  (10020118)                464923.41
3807741.91        9.52860  (10020118)
        464943.41   3807741.91        9.37042  (10020118)                464963.41
3807741.91        9.19946  (10020118)
        464983.41   3807741.91        9.01621  (10020118)                465003.41
3807741.91        8.81743  (10020118)
        465023.41   3807741.91        8.61157  (10020118)                465043.41
3807741.91        8.39848  (10020118)
        465063.41   3807741.91        8.17575  (10020118)                465083.41
3807741.91        7.95089  (10020118)
        465103.41   3807741.91        7.72346  (10020118)                465123.41
3807741.91        7.49224  (10020118)
        465143.41   3807741.91        7.25692  (10020118)                465163.41
3807741.91        7.02049  (10020118)
        465183.41   3807741.91        6.78740  (10020118)                465203.41
3807741.91        6.55617  (10020118)
        465223.41   3807741.91        6.32649  (10020118)                465243.41
3807741.91        6.09578  (10020118)
        465263.41   3807741.91        5.87130  (10020118)                465283.41
3807741.91        5.65191  (10020118)
        465303.41   3807741.91        5.46656  (10102019)                465323.41
3807741.91        5.34068  (10102019)
        465343.41   3807741.91        5.21392  (10102019)                465363.41
3807741.91        5.08955  (10102019)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 726
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                  L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                  L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
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L0006122 , L0006123 , L0006124 , L0006125 , L0006126
, L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465383.41	3807741.91	4.96591	(10102019)	464543.41	3807761.91	10.31224	(09030119)
464563.41	3807761.91	10.23164	(09030119)	464583.41	3807761.91	10.77581	(09030119)
464603.41	3807761.91	11.98594	(09030119)	464623.41	3807761.91	11.62910	(09030119)
464643.41	3807761.91	10.23090	(09031219)	464663.41	3807761.91	10.27395	(09031219)
464683.41	3807761.91	10.28476	(09031219)	464703.41	3807761.91	10.35878	(10020118)
464723.41	3807761.91	10.42487	(10020118)	464743.41	3807761.91	10.46070	(10020118)
464763.41	3807761.91	10.46614	(10020118)	464783.41	3807761.91	10.44392	(10020118)
464803.41	3807761.91	10.39449	(10020118)	464823.41	3807761.91	10.31966	(10020118)
464843.41	3807761.91	10.22126	(10020118)	464863.41	3807761.91	10.10094	(10020118)
464883.41	3807761.91	9.95954	(10020118)	464903.41	3807761.91	9.80053	(10020118)
464923.41	3807761.91	9.62546	(10020118)	464943.41	3807761.91	9.43325	(10020118)
464963.41	3807761.91	9.23014	(10020118)	464983.41	3807761.91	9.01671	(10020118)
465003.41	3807761.91	8.78980	(10020118)	465023.41	3807761.91	8.55522	(10020118)
465043.41	3807761.91	8.31541	(10020118)	465063.41	3807761.91	8.07484	(10020118)
465083.41	3807761.91	7.83155	(10020118)	465103.41	3807761.91	7.58558	(10020118)
465123.41	3807761.91	7.33442	(10020118)	465143.41	3807761.91	7.08652	(10020118)
465163.41	3807761.91	6.84056	(10020118)	465183.41	3807761.91	6.59284	(10020118)
465203.41	3807761.91	6.35171	(10020118)	465223.41	3807761.91	6.11548	(10020118)
465243.41	3807761.91	5.88263	(10020118)	465263.41			

3807761.91 5.67298 (10102019)
  465283.41 3807761.91 5.54178 (10102019) 465303.41
3807761.91 5.40635 (10102019)
  465323.41 3807761.91 5.27343 (10102019) 465343.41
3807761.91 5.14137 (10102019)
  465363.41 3807761.91 5.00663 (10102019) 465383.41
3807761.91 4.87589 (10102019)
  464543.41 3807781.91 10.63643 (09030119) 464563.41
3807781.91 10.52257 (09030119)
  464583.41 3807781.91 10.50446 (09031219) 464603.41
3807781.91 10.60349 (09031219)
  464623.41 3807781.91 10.66769 (09031219) 464643.41
3807781.91 10.69870 (09031219)
  464663.41 3807781.91 10.72856 (10020118) 464683.41
3807781.91 10.81547 (10020118)
  464703.41 3807781.91 10.86840 (10020118) 464723.41
3807781.91 10.88989 (10020118)
  464743.41 3807781.91 10.88052 (10020118) 464763.41
3807781.91 10.84133 (10020118)
  464783.41 3807781.91 10.77378 (10020118) 464803.41
3807781.91 10.67971 (10020118)
  464823.41 3807781.91 10.56134 (10020118) 464843.41
3807781.91 10.42030 (10020118)
  464863.41 3807781.91 10.25853 (10020118) 464883.41
3807781.91 10.07822 (10020118)
  464903.41 3807781.91 9.88128 (10020118) 464923.41
3807781.91 9.66962 (10020118)
  464943.41 3807781.91 9.44537 (10020118) 464963.41
3807781.91 9.21021 (10020118)
  464983.41 3807781.91 8.96615 (10020118) 465003.41
3807781.91 8.71524 (10020118)
  465023.41 3807781.91 8.45692 (10020118) 465043.41
3807781.91 8.19456 (10020118)
  465063.41 3807781.91 7.93515 (10020118) 465083.41
3807781.91 7.67233 (10020118)
  465103.41 3807781.91 7.40866 (10020118) 465123.41
3807781.91 7.14635 (10020118)
  465143.41 3807781.91 6.88600 (10020118) 465163.41
3807781.91 6.62864 (10020118)
  465183.41 3807781.91 6.37524 (10020118) 465203.41
3807781.91 6.12832 (10020118)
  465223.41 3807781.91 5.89117 (10102019) 465243.41
3807781.91 5.74954 (10102019)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***

INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 , L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 , L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 , L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465263.41	3807781.91	5.60946	(10102019)	465283.41	3807781.91	5.46990	(10102019)
465303.41	3807781.91	5.32843	(10102019)	465323.41	3807781.91	5.18747	(10102019)
465343.41	3807781.91	5.04748	(10102019)	465363.41	3807781.91	4.90891	(10102019)
465383.41	3807781.91	4.77360	(10102019)	464543.41	3807801.91	10.91457	(09030119)
464563.41	3807801.91	10.97571	(09031219)	464583.41	3807801.91	11.07466	(09031219)
464603.41	3807801.91	11.13289	(09031219)	464623.41	3807801.91	11.15164	(09031219)
464643.41	3807801.91	11.22094	(10020118)	464663.41	3807801.91	11.29602	(10020118)
464683.41	3807801.91	11.33664	(10020118)	464703.41	3807801.91	11.34183	(10020118)
464723.41	3807801.91	11.31444	(10020118)	464743.41	3807801.91	11.25606	(10020118)
464763.41	3807801.91	11.16840	(10020118)	464783.41	3807801.91	11.05303	(10020118)
464803.41	3807801.91	10.91258	(10020118)	464823.41	3807801.91	10.74908	(10020118)
464843.41	3807801.91	10.56438	(10020118)	464863.41	3807801.91	10.36071	(10020118)
464883.41	3807801.91	10.14165	(10020118)	464903.41	3807801.91	9.90724	(10020118)
464923.41	3807801.91	9.65997	(10020118)	464943.41	3807801.91	9.40480	(10020118)

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        464963.41   3807801.91        9.13941  (10020118)              464983.41
3807801.91        8.86726  (10020118)
        465003.41   3807801.91        8.59360  (10020118)              465023.41
3807801.91        8.31454  (10020118)
        465043.41   3807801.91        8.03354  (10020118)              465063.41
3807801.91        7.75566  (10020118)
        465083.41   3807801.91        7.47620  (10020118)              465103.41
3807801.91        7.19842  (10020118)
        465123.41   3807801.91        6.92710  (10020118)              465143.41
3807801.91        6.65703  (10020118)
        465163.41   3807801.91        6.39142  (10020118)              465183.41
3807801.91        6.13548  (10020118)
        465203.41   3807801.91        5.97657  (10102019)              465223.41
3807801.91        5.82667  (10102019)
        465243.41   3807801.91        5.67388  (10102019)              465263.41
3807801.91        5.52468  (10102019)
        465283.41   3807801.91        5.37767  (10102019)              465303.41
3807801.91        5.23077  (10102019)
        465323.41   3807801.91        5.08296  (10102019)              465343.41
3807801.91        4.93660  (10102019)
        465363.41   3807801.91        4.79583  (10102019)              465383.41
3807801.91        4.65637  (10102019)
        464543.41   3807821.91       11.43510  (09031219)              464563.41
3807821.91       11.54027  (09031219)
        464583.41   3807821.91       11.60733  (09031219)              464603.41
3807821.91       11.64084  (10020118)
        464623.41   3807821.91       11.74472  (10020118)              464643.41
3807821.91       11.80545  (10020118)
        464663.41   3807821.91       11.82865  (10020118)              464683.41
3807821.91       11.81607  (10020118)
        464703.41   3807821.91       11.76865  (10020118)              464723.41
3807821.91       11.68926  (10020118)
        464743.41   3807821.91       11.57882  (10020118)              464763.41
3807821.91       11.43986  (10020118)
        464783.41   3807821.91       11.27508  (10020118)              464803.41
3807821.91       11.08688  (10020118)
        464823.41   3807821.91       10.87692  (10020118)              464843.41
3807821.91       10.64893  (10020118)
        464863.41   3807821.91       10.40516  (10020118)              464883.41
3807821.91       10.14564  (10020118)
        464903.41   3807821.91        9.87611  (10020118)              464923.41
3807821.91        9.59788  (10020118)
        464943.41   3807821.91        9.30901  (10020118)              464963.41
3807821.91        9.01768  (10020118)
        464983.41   3807821.91        8.72370  (10020118)              465003.41
3807821.91        8.42404  (10020118)
        465023.41   3807821.91        8.12728  (10020118)              465043.41
3807821.91        7.83239  (10020118)
        465063.41   3807821.91        7.53567  (10020118)              465083.41
3807821.91        7.24565  (10020118)
```

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK9   ***
                                   INCLUDING SOURCE(S):   L0006101   , L0006102
, L0006103   , L0006104   , L0006105   ,
                L0006106   , L0006107   , L0006108   , L0006109   , L0006110
, L0006111   , L0006112   , L0006113   ,
                L0006114   , L0006115   , L0006116   , L0006117   , L0006118
, L0006119   , L0006120   , L0006121   ,
                L0006122   , L0006123   , L0006124   , L0006125   , L0006126
, L0006127   , L0006128   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465143.41   3807821.91   6.40204 (10020118)   465163.41
3807821.91   6.21699 (10102019)
        465183.41   3807821.91   6.05895 (10102019)   465203.41
3807821.91   5.89745 (10102019)
        465223.41   3807821.91   5.73558 (10102019)   465243.41
3807821.91   5.57843 (10102019)
        465263.41   3807821.91   5.42308 (10102019)   465283.41
3807821.91   5.26868 (10102019)
        465303.41   3807821.91   5.11207 (10102019)   465323.41
3807821.91   4.96051 (10102019)
        465343.41   3807821.91   4.81286 (10102019)   465363.41
3807821.91   4.66826 (10102019)
        465383.41   3807821.91   4.52328 (10102019)   464543.41
3807841.91   11.98328 (09031219)
        464563.41   3807841.91   12.03653 (09031219)   464583.41
3807841.91   12.15182 (10020118)
        464603.41   3807841.91   12.27590 (10020118)   464623.41
3807841.91   12.33944 (10020118)
        464643.41   3807841.91   12.34786 (10020118)   464663.41

3807841.91 12.31543 (10020118)
464683.41 3807841.91 12.24551 (10020118) 464723.41
3807841.91 12.00551 (10020118)
464743.41 3807841.91 11.84032 (10020118) 464763.41
3807841.91 11.64878 (10020118)
464783.41 3807841.91 11.43332 (10020118) 464803.41
3807841.91 11.19661 (10020118)
464823.41 3807841.91 10.94154 (10020118) 464843.41
3807841.91 10.67062 (10020118)
464863.41 3807841.91 10.38631 (10020118) 464883.41
3807841.91 10.09121 (10020118)
464903.41 3807841.91 9.78743 (10020118) 464923.41
3807841.91 9.47731 (10020118)
464943.41 3807841.91 9.16326 (10020118) 464963.41
3807841.91 8.84678 (10020118)
464983.41 3807841.91 8.52974 (10020118) 465003.41
3807841.91 8.21389 (10020118)
465023.41 3807841.91 7.90017 (10020118) 465043.41
3807841.91 7.59001 (10020118)
465063.41 3807841.91 7.28468 (10020118) 465083.41
3807841.91 6.98468 (10020118)
465103.41 3807841.91 6.69100 (10020118) 465123.41
3807841.91 6.47440 (10102019)
465143.41 3807841.91 6.30212 (10102019) 465163.41
3807841.91 6.13064 (10102019)
465183.41 3807841.91 5.96279 (10102019) 465203.41
3807841.91 5.79399 (10102019)
465223.41 3807841.91 5.62570 (10102019) 465243.41
3807841.91 5.45904 (10102019)
465263.41 3807841.91 5.29674 (10102019) 465283.41
3807841.91 5.13748 (10102019)
465303.41 3807841.91 4.97850 (10102019) 465323.41
3807841.91 4.82431 (10102019)
465343.41 3807841.91 4.67345 (10102019) 465363.41
3807841.91 4.52341 (10102019)
465383.41 3807841.91 4.37689 (10102019) 464503.41
3807861.91 12.43716 (09031219)
464523.41 3807861.91 12.47377 (09031219) 464543.41
3807861.91 12.48466 (09031219)
464563.41 3807861.91 12.61146 (10020118) 464583.41
3807861.91 12.75305 (10020118)
464603.41 3807861.91 12.84384 (10020118) 464723.41
3807861.91 12.25463 (10020118)
464743.41 3807861.91 12.03360 (10020118) 464763.41
3807861.91 11.78873 (10020118)
464783.41 3807861.91 11.52253 (10020118) 464803.41
3807861.91 11.23760 (10020118)
464823.41 3807861.91 10.93894 (10020118) 464843.41
3807861.91 10.62662 (10020118)
464863.41 3807861.91 10.30369 (10020118) 464883.41

3807861.91 9.97590 (10020118)
  464903.41 3807861.91 9.64072 (10020118) 464923.41
3807861.91 9.30210 (10020118)
  464943.41 3807861.91 8.96595 (10020118) 464963.41
3807861.91 8.62781 (10020118)
  464983.41 3807861.91 8.29149 (10020118) 465003.41
3807861.91 7.96247 (10020118)
  465023.41 3807861.91 7.63541 (10020118) 465043.41
3807861.91 7.31379 (10020118)
  465063.41 3807861.91 7.00261 (10020118) 465083.41
3807861.91 6.75300 (10102019)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 ,
  L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 ,
  L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 ,
  L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465103.41	3807861.91	6.56728	(10102019)	465123.41	3807861.91	6.38549	(10102019)
465143.41	3807861.91	6.20168	(10102019)	465163.41	3807861.91	6.01875	(10102019)
465183.41	3807861.91	5.84115	(10102019)	465203.41	3807861.91	5.66649	(10102019)
465223.41	3807861.91	5.49385	(10102019)	465243.41	3807861.91	5.31974	(10102019)
465263.41	3807861.91	5.15209	(10102019)	465283.41	3807861.91	4.98913	(10102019)

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        465303.41   3807861.91        4.82851  (10102019)               465323.41
3807861.91        4.67209  (10102019)
        465343.41   3807861.91        4.51893  (10102019)               465363.41
3807861.91        4.36599  (10102019)
        465383.41   3807861.91        4.21905  (10102019)               464503.41
3807881.91       13.06357  (09031219)
        464523.41   3807881.91       13.09059  (10020118)               464543.41
3807881.91       13.18758  (10020118)
        464723.41   3807881.91       12.42934  (10020118)               464743.41
3807881.91       12.15206  (10020118)
        464763.41   3807881.91       11.85432  (10020118)               464783.41
3807881.91       11.53891  (10020118)
        464803.41   3807881.91       11.20820  (10020118)               464823.41
3807881.91       10.86518  (10020118)
        464843.41   3807881.91       10.51528  (10020118)               464863.41
3807881.91       10.16011  (10020118)
        464883.41   3807881.91        9.79751  (10020118)               464903.41
3807881.91        9.43679  (10020118)
        464923.41   3807881.91        9.07762  (10020118)               464943.41
3807881.91        8.71654  (10020118)
        464963.41   3807881.91        8.36301  (10020118)               464983.41
3807881.91        8.01568  (10020118)
        465003.41   3807881.91        7.67033  (10020118)               465023.41
3807881.91        7.33614  (10020118)
        465043.41   3807881.91        7.05375  (10102019)               465063.41
3807881.91        6.85328  (10102019)
        465083.41   3807881.91        6.65699  (10102019)               465103.41
3807881.91        6.46272  (10102019)
        465123.41   3807881.91        6.26568  (10102019)               465143.41
3807881.91        6.07439  (10102019)
        465163.41   3807881.91        5.88648  (10102019)               465183.41
3807881.91        5.69708  (10102019)
        465203.41   3807881.91        5.51518  (10102019)               465223.41
3807881.91        5.33832  (10102019)
        465243.41   3807881.91        5.16430  (10102019)               465263.41
3807881.91        4.99459  (10102019)
        465283.41   3807881.91        4.82812  (10102019)               465303.41
3807881.91        4.66147  (10102019)
        465323.41   3807881.91        4.50263  (10102019)               465343.41
3807881.91        4.34938  (10102019)
        465363.41   3807881.91        4.19974  (10102019)               465383.41
3807881.91        4.05179  (10102019)
        464723.41   3807901.91       12.52205  (10020118)               464743.41
3807901.91       12.19041  (10020118)
        464763.41   3807901.91       11.84110  (10020118)               464783.41
3807901.91       11.47860  (10020118)
        464803.41   3807901.91       11.10583  (10020118)               464823.41
3807901.91       10.72372  (10020118)
        464843.41   3807901.91       10.33967  (10020118)               464863.41
3807901.91        9.95465  (10020118)
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        464883.41   3807901.91        9.56476  (10020118)               464903.41
3807901.91        9.17906  (10020118)
        464923.41   3807901.91        8.79884  (10020118)               464943.41
3807901.91        8.42459  (10020118)
        464963.41   3807901.91        8.05986  (10020118)               464983.41
3807901.91        7.70310  (10020118)
        465003.41   3807901.91        7.37619  (10102019)               465023.41
3807901.91        7.16211  (10102019)
        465043.41   3807901.91        6.95016  (10102019)               465063.41
3807901.91        6.73987  (10102019)
        465083.41   3807901.91        6.53135  (10102019)               465103.41
3807901.91        6.32533  (10102019)
        465123.41   3807901.91        6.12247  (10102019)               465143.41
3807901.91        5.92272  (10102019)
        465163.41   3807901.91        5.72662  (10102019)               465183.41
3807901.91        5.53468  (10102019)
        465203.41   3807901.91        5.34922  (10102019)               465223.41
3807901.91        5.16839  (10102019)
        465243.41   3807901.91        4.98909  (10102019)               465263.41
3807901.91        4.81663  (10102019)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 730
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                  L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                  L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                  L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        465283.41   3807901.91        4.64941  (10102019)               465303.41
```

3807901.91 4.48442 (10102019)
465323.41 3807901.91 4.32406 (10102019) 465343.41
3807901.91 4.16895 (10102019)
465363.41 3807901.91 4.02102 (10102019) 465383.41
3807901.91 3.87604 (10102019)
464723.41 3807921.91 12.52537 (10020118) 464743.41
3807921.91 12.14450 (10020118)
464763.41 3807921.91 11.74644 (10020118) 464783.41
3807921.91 11.34044 (10020118)
464803.41 3807921.91 10.92928 (10020118) 464823.41
3807921.91 10.51343 (10020118)
464843.41 3807921.91 10.09904 (10020118) 464863.41
3807921.91 9.68733 (10020118)
464883.41 3807921.91 9.27547 (10020118) 464903.41
3807921.91 8.87032 (10020118)
464923.41 3807921.91 8.47434 (10020118) 464943.41
3807921.91 8.09244 (10020118)
464963.41 3807921.91 7.72841 (10102019) 464983.41
3807921.91 7.50049 (10102019)
465003.41 3807921.91 7.26871 (10102019) 465023.41
3807921.91 7.03947 (10102019)
465043.41 3807921.91 6.81393 (10102019) 465063.41
3807921.91 6.59521 (10102019)
465083.41 3807921.91 6.37660 (10102019) 465103.41
3807921.91 6.16121 (10102019)
465123.41 3807921.91 5.95381 (10102019) 465143.41
3807921.91 5.74764 (10102019)
465163.41 3807921.91 5.54564 (10102019) 465183.41
3807921.91 5.35220 (10102019)
465203.41 3807921.91 5.16454 (10102019) 465223.41
3807921.91 4.98146 (10102019)
465243.41 3807921.91 4.79920 (10102019) 465263.41
3807921.91 4.62482 (10102019)
465283.41 3807921.91 4.45725 (10102019) 465303.41
3807921.91 4.29584 (10102019)
465323.41 3807921.91 4.13645 (10102019) 465343.41
3807921.91 3.98164 (10102019)
465363.41 3807921.91 3.83570 (10102019) 465383.41
3807921.91 3.69400 (10102019)
464723.41 3807941.91 12.42694 (10020118) 464743.41
3807941.91 12.00804 (10020118)
464763.41 3807941.91 11.57025 (10020118) 464783.41
3807941.91 11.12516 (10020118)
464803.41 3807941.91 10.67763 (10020118) 464823.41
3807941.91 10.23532 (10020118)
464843.41 3807941.91 9.79464 (10020118) 464863.41
3807941.91 9.35846 (10020118)
464883.41 3807941.91 8.92937 (10020118) 464903.41
3807941.91 8.51469 (10020118)
464923.41 3807941.91 8.11351 (10020118) 464943.41

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3807941.91        7.85905  (10102019)
        464963.41   3807941.91        7.61223  (10102019)                464983.41
3807941.91        7.36518  (10102019)
        465003.41   3807941.91        7.11979  (10102019)                465023.41
3807941.91        6.88252  (10102019)
        465043.41   3807941.91        6.65048  (10102019)                465063.41
3807941.91        6.41788  (10102019)
        465083.41   3807941.91        6.19402  (10102019)                465103.41
3807941.91        5.97613  (10102019)
        465123.41   3807941.91        5.75877  (10102019)                465143.41
3807941.91        5.55078  (10102019)
        465163.41   3807941.91        5.34931  (10102019)                465183.41
3807941.91        5.14908  (10102019)
        465203.41   3807941.91        4.95912  (10102019)                465223.41
3807941.91        4.77661  (10102019)
        465243.41   3807941.91        4.59909  (10102019)                465263.41
3807941.91        4.42419  (10102019)
        465283.41   3807941.91        4.25468  (10102019)                465303.41
3807941.91        4.09534  (10102019)
        465323.41   3807941.91        3.94087  (10102019)                465343.41
3807941.91        3.79185  (10102019)
        465363.41   3807941.91        3.64874  (10102019)                465383.41
3807941.91        3.62057  (09010519)
        465403.41   3807941.91        3.59622  (09010519)                465423.41
3807941.91        3.57484  (09010519)
        465443.41   3807941.91        3.55358  (09010519)                465463.41
3807941.91        3.53326  (09010519)
        465483.41   3807941.91        3.51078  (09010519)                465503.41
3807941.91        3.48857  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 731
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465523.41	3807941.91	3.46559	(09010519)	465543.41	3807941.91	3.43884	(09010519)
465563.41	3807941.91	3.41437	(09010519)	465583.41	3807941.91	3.39105	(09010519)
465603.41	3807941.91	3.36819	(09010519)	465623.41	3807941.91	3.34232	(09010519)
465643.41	3807941.91	3.31570	(09010519)	465663.41	3807941.91	3.29188	(09010519)
465683.41	3807941.91	3.26563	(09010519)	465703.41	3807941.91	3.23891	(09010519)
464723.41	3807961.91	12.21462	(10020118)	464743.41	3807961.91	11.77605	(10020118)
464763.41	3807961.91	11.31008	(10020118)	464783.41	3807961.91	10.83408	(10020118)
464803.41	3807961.91	10.35936	(10020118)	464823.41	3807961.91	9.89105	(10020118)
464843.41	3807961.91	9.43217	(10020118)	464863.41	3807961.91	8.98355	(10020118)
464883.41	3807961.91	8.54355	(10020118)	464903.41	3807961.91	8.24410	(10102019)
464923.41	3807961.91	7.98082	(10102019)	464943.41	3807961.91	7.71662	(10102019)
464963.41	3807961.91	7.45618	(10102019)	464983.41	3807961.91	7.19913	(10102019)
465003.41	3807961.91	6.94299	(10102019)	465023.41	3807961.91	6.69733	(10102019)
465043.41	3807961.91	6.45835	(10102019)	465063.41	3807961.91	6.21851	(10102019)
465083.41	3807961.91	5.98718	(10102019)	465103.41	3807961.91	5.76356	(10102019)
465123.41	3807961.91	5.54655	(10102019)	465143.41	3807961.91	5.33581	(10102019)
465163.41	3807961.91	5.13162	(10102019)	465183.41	3807961.91	4.93423	(10102019)
465203.41	3807961.91	4.74319	(10102019)	465223.41	3807961.91	4.55920	(10102019)
465243.41	3807961.91	4.38454	(10102019)	465263.41	3807961.91	4.21403	(10102019)
465283.41	3807961.91	4.04927	(10102019)	465303.41	3807961.91	3.89293	(10102019)
465323.41	3807961.91	3.85371	(09010519)	465343.41	3807961.91	3.82768	(09010519)

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        465363.41   3807961.91        3.80388  (09010519)               465383.41
3807961.91        3.77783  (09010519)
        465403.41   3807961.91        3.75049  (09010519)               465423.41
3807961.91        3.72261  (09010519)
        465443.41   3807961.91        3.69654  (09010519)               465463.41
3807961.91        3.67528  (09010519)
        465483.41   3807961.91        3.64682  (09010519)               465503.41
3807961.91        3.62022  (09010519)
        465523.41   3807961.91        3.59389  (09010519)               465543.41
3807961.91        3.56534  (09010519)
        465563.41   3807961.91        3.53850  (09010519)               465583.41
3807961.91        3.51191  (09010519)
        465603.41   3807961.91        3.48299  (09010519)               465623.41
3807961.91        3.45423  (09010519)
        465643.41   3807961.91        3.42557  (09010519)               465663.41
3807961.91        3.39671  (09010519)
        465683.41   3807961.91        3.36806  (09010519)               465703.41
3807961.91        3.34004  (09010519)
        464743.41   3807981.91       11.44926  (10020118)               464763.41
3807981.91       10.96546  (10020118)
        464783.41   3807981.91       10.46953  (10020118)               464803.41
3807981.91        9.97606  (10020118)
        464823.41   3807981.91        9.48719  (10020118)               464843.41
3807981.91        9.01686  (10020118)
        464863.41   3807981.91        8.67078  (10102019)               464883.41
3807981.91        8.37769  (10102019)
        464903.41   3807981.91        8.09301  (10102019)               464923.41
3807981.91        7.81380  (10102019)
        464943.41   3807981.91        7.53398  (10102019)               464963.41
3807981.91        7.26257  (10102019)
        464983.41   3807981.91        6.99777  (10102019)               465003.41
3807981.91        6.73524  (10102019)
        465023.41   3807981.91        6.48241  (10102019)               465043.41
3807981.91        6.23723  (10102019)
        465063.41   3807981.91        5.99524  (10102019)               465083.41
3807981.91        5.75926  (10102019)
        465103.41   3807981.91        5.53156  (10102019)               465123.41
3807981.91        5.31769  (10102019)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 732
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
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                L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465143.41   3807981.91        5.10591  (10102019)               465163.41
3807981.91        4.90016  (10102019)
        465183.41   3807981.91        4.70656  (10102019)               465203.41
3807981.91        4.51705  (10102019)
        465223.41   3807981.91        4.33432  (10102019)               465243.41
3807981.91        4.16296  (10102019)
        465263.41   3807981.91        4.11182  (09010519)               465283.41
3807981.91        4.08454  (09010519)
        465303.41   3807981.91        4.05574  (09010519)               465323.41
3807981.91        4.02386  (09010519)
        465343.41   3807981.91        3.99117  (09010519)               465363.41
3807981.91        3.96147  (09010519)
        465383.41   3807981.91        3.93230  (09010519)               465403.41
3807981.91        3.90252  (09010519)
        465423.41   3807981.91        3.86841  (09010519)               465443.41
3807981.91        3.83753  (09010519)
        465463.41   3807981.91        3.81466  (09010519)               465483.41
3807981.91        3.78034  (09010519)
        465503.41   3807981.91        3.74929  (09010519)               465523.41
3807981.91        3.71953  (09010519)
        465543.41   3807981.91        3.68881  (09010519)               465563.41
3807981.91        3.65886  (09010519)
        465583.41   3807981.91        3.62843  (09010519)               465603.41
3807981.91        3.59442  (09010519)
        465623.41   3807981.91        3.56284  (09010519)               465643.41
3807981.91        3.53187  (09010519)
        465663.41   3807981.91        3.49821  (09010519)               465683.41
3807981.91        3.46778  (09010519)
        465703.41   3807981.91        3.43871  (09010519)               464763.41
3808001.91       10.53642  (10020118)
        464783.41   3808001.91       10.03246  (10020118)               464803.41
3808001.91        9.53002  (10020118)
        464823.41   3808001.91        9.12309  (10102019)               464843.41
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3808001.91        8.80996  (10102019)
        464863.41   3808001.91        8.50175  (10102019)                464883.41
3808001.91        8.19094  (10102019)
        464903.41   3808001.91        7.89180  (10102019)                464923.41
3808001.91        7.60127  (10102019)
        464943.41   3808001.91        7.31638  (10102019)                464963.41
3808001.91        7.03454  (10102019)
        464983.41   3808001.91        6.75934  (10102019)                465003.41
3808001.91        6.49690  (10102019)
        465023.41   3808001.91        6.23842  (10102019)                465043.41
3808001.91        5.98725  (10102019)
        465063.41   3808001.91        5.74907  (10102019)                465083.41
3808001.91        5.51455  (10102019)
        465103.41   3808001.91        5.28748  (10102019)                465123.41
3808001.91        5.07482  (10102019)
        465143.41   3808001.91        4.86518  (10102019)                465163.41
3808001.91        4.66138  (10102019)
        465183.41   3808001.91        4.46623  (10102019)                465203.41
3808001.91        4.39585  (09010519)
        465223.41   3808001.91        4.36369  (09010519)                465243.41
3808001.91        4.33184  (09010519)
        465263.41   3808001.91        4.29958  (09010519)                465283.41
3808001.91        4.26592  (09010519)
        465303.41   3808001.91        4.22700  (09010519)                465323.41
3808001.91        4.19134  (09010519)
        465343.41   3808001.91        4.15637  (09010519)                465363.41
3808001.91        4.11698  (09010519)
        465383.41   3808001.91        4.08174  (09010519)                465403.41
3808001.91        4.04808  (09010519)
        465423.41   3808001.91        4.01365  (09010519)                465443.41
3808001.91        3.97979  (09010519)
        465463.41   3808001.91        3.94746  (09010519)                465483.41
3808001.91        3.91291  (09010519)
        465503.41   3808001.91        3.87908  (09010519)                465523.41
3808001.91        3.84468  (09010519)
        465543.41   3808001.91        3.80613  (09010519)                465563.41
3808001.91        3.77122  (09010519)
        465583.41   3808001.91        3.73808  (09010519)                465603.41
3808001.91        3.70428  (09010519)
        465623.41   3808001.91        3.66788  (09010519)                465643.41
3808001.91        3.63117  (09010519)
        465663.41   3808001.91        3.59803  (09010519)                465683.41
3808001.91        3.56570  (09010519)
        465703.41   3808001.91        3.53299  (09010519)                464763.41
3808021.91       10.01831  (10020118)
        464783.41   3808021.91        9.59002  (10102019)                464803.41
3808021.91        9.26841  (10102019)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 , L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 , L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 , L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464823.41	3808021.91	8.93530	(10102019)	464843.41	3808021.91	8.60716	(10102019)
464863.41	3808021.91	8.28407	(10102019)	464883.41	3808021.91	7.96455	(10102019)
464903.41	3808021.91	7.65242	(10102019)	464923.41	3808021.91	7.34929	(10102019)
464943.41	3808021.91	7.05869	(10102019)	464963.41	3808021.91	6.77409	(10102019)
464983.41	3808021.91	6.49719	(10102019)	465003.41	3808021.91	6.22904	(10102019)
465023.41	3808021.91	5.97067	(10102019)	465043.41	3808021.91	5.72159	(10102019)
465063.41	3808021.91	5.48138	(10102019)	465083.41	3808021.91	5.25054	(10102019)
465103.41	3808021.91	5.02882	(10102019)	465123.41	3808021.91	4.81559	(10102019)
465143.41	3808021.91	4.72504	(09010519)	465163.41	3808021.91	4.68400	(09010519)
465183.41	3808021.91	4.63902	(09010519)	465203.41	3808021.91	4.59902	(09010519)
465223.41	3808021.91	4.56062	(09010519)	465243.41	3808021.91	4.51861	(09010519)
465263.41	3808021.91	4.47911	(09010519)	465283.41	3808021.91	4.44026	(09010519)

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        465303.41   3808021.91        4.39828  (09010519)              465323.41
3808021.91        4.35607  (09010519)
        465343.41   3808021.91        4.31388  (09010519)              465363.41
3808021.91        4.27197  (09010519)
        465383.41   3808021.91        4.23259  (09010519)              465403.41
3808021.91        4.19372  (09010519)
        465423.41   3808021.91        4.15185  (09010519)              465443.41
3808021.91        4.11261  (09010519)
        465463.41   3808021.91        4.07956  (09010519)              465483.41
3808021.91        4.03829  (09010519)
        465503.41   3808021.91        3.99964  (09010519)              465523.41
3808021.91        3.96169  (09010519)
        465543.41   3808021.91        3.92148  (09010519)              465563.41
3808021.91        3.88136  (09010519)
        465583.41   3808021.91        3.84213  (09010519)              465603.41
3808021.91        3.80584  (09010519)
        465623.41   3808021.91        3.76778  (09010519)              465643.41
3808021.91        3.72968  (09010519)
        465663.41   3808021.91        3.69427  (09010519)              465683.41
3808021.91        3.65701  (09010519)
        465703.41   3808021.91        3.61923  (09010519)              464783.41
3808041.91        9.35458  (10102019)
        464803.41   3808041.91        9.02541  (10102019)              464823.41
3808041.91        8.68890  (10102019)
        464843.41   3808041.91        8.35210  (10102019)              464863.41
3808041.91        8.02013  (10102019)
        464883.41   3808041.91        7.69561  (10102019)              464903.41
3808041.91        7.37572  (10102019)
        464923.41   3808041.91        7.06496  (10102019)              464943.41
3808041.91        6.77082  (10102019)
        464963.41   3808041.91        6.48686  (10102019)              464983.41
3808041.91        6.21178  (10102019)
        465003.41   3808041.91        5.94027  (10102019)              465023.41
3808041.91        5.68364  (10102019)
        465043.41   3808041.91        5.43853  (10102019)              465063.41
3808041.91        5.19960  (10102019)
        465083.41   3808041.91        5.08649  (09010519)              465103.41
3808041.91        5.04091  (09010519)
        465123.41   3808041.91        4.99089  (09010519)              465143.41
3808041.91        4.94378  (09010519)
        465163.41   3808041.91        4.89730  (09010519)              465183.41
3808041.91        4.84657  (09010519)
        465203.41   3808041.91        4.79899  (09010519)              465223.41
3808041.91        4.75222  (09010519)
        465243.41   3808041.91        4.70137  (09010519)              465263.41
3808041.91        4.65382  (09010519)
        465283.41   3808041.91        4.60835  (09010519)              465303.41
3808041.91        4.56429  (09010519)
        465323.41   3808041.91        4.51606  (09010519)              465343.41
3808041.91        4.46685  (09010519)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                  INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                 L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                 L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                 L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465483.41   3808041.91   4.15841 (09010519)   465503.41   3808041.91   4.11407 (09010519)
        465523.41   3808041.91   4.07180 (09010519)   465543.41   3808041.91   4.03090 (09010519)
        465563.41   3808041.91   3.98665 (09010519)   465583.41   3808041.91   3.94214 (09010519)
        465603.41   3808041.91   3.90247 (09010519)   465623.41   3808041.91   3.86315 (09010519)
        465643.41   3808041.91   3.82402 (09010519)   465663.41   3808041.91   3.78425 (09010519)
        465683.41   3808041.91   3.74233 (09010519)   465703.41   3808041.91   3.70061 (09010519)
        464803.41   3808061.91   8.72978 (10102019)   464823.41   3808061.91   8.38440 (10102019)
        464843.41   3808061.91   8.04552 (10102019)   464863.41

3808061.91 7.71322 (10102019)
464883.41 3808061.91 7.38358 (10102019) 464903.41
3808061.91 7.06449 (10102019)
464923.41 3808061.91 6.75716 (10102019) 464943.41
3808061.91 6.46248 (10102019)
464963.41 3808061.91 6.17934 (10102019) 464983.41
3808061.91 5.90632 (10102019)
465003.41 3808061.91 5.63820 (10102019) 465023.41
3808061.91 5.49328 (09010519)
465043.41 3808061.91 5.43606 (09010519) 465063.41
3808061.91 5.38380 (09010519)
465083.41 3808061.91 5.32692 (09010519) 465103.41
3808061.91 5.26891 (09010519)
465123.41 3808061.91 5.21618 (09010519) 465143.41
3808061.91 5.15902 (09010519)
465163.41 3808061.91 5.10096 (09010519) 465183.41
3808061.91 5.04838 (09010519)
465203.41 3808061.91 4.99155 (09010519) 465223.41
3808061.91 4.93400 (09010519)
465243.41 3808061.91 4.88206 (09010519) 465263.41
3808061.91 4.82603 (09010519)
465283.41 3808061.91 4.76968 (09010519) 465303.41
3808061.91 4.71989 (09010519)
465323.41 3808061.91 4.66949 (09010519) 465343.41
3808061.91 4.61819 (09010519)
465363.41 3808061.91 4.56220 (09010519) 465383.41
3808061.91 4.51170 (09010519)
465403.41 3808061.91 4.46361 (09010519) 465423.41
3808061.91 4.41509 (09010519)
465443.41 3808061.91 4.36771 (09010519) 465463.41
3808061.91 4.32258 (09010519)
465483.41 3808061.91 4.27528 (09010519) 465503.41
3808061.91 4.22497 (09010519)
465523.41 3808061.91 4.17467 (09010519) 465543.41
3808061.91 4.13009 (09010519)
465563.41 3808061.91 4.08534 (09010519) 465583.41
3808061.91 4.04088 (09010519)
465603.41 3808061.91 3.99775 (09010519) 465623.41
3808061.91 3.95509 (09010519)
465643.41 3808061.91 3.91195 (09010519) 465663.41
3808061.91 3.86480 (09010519)
465683.41 3808061.91 3.82134 (09010519) 465703.41
3808061.91 3.78007 (09010519)
464823.41 3808081.91 8.04381 (10102019) 464843.41
3808081.91 7.69738 (10102019)
464863.41 3808081.91 7.36052 (10102019) 464883.41
3808081.91 7.03640 (10102019)
464903.41 3808081.91 6.72462 (10102019) 464923.41
3808081.91 6.42404 (10102019)
464943.41 3808081.91 6.13216 (10102019) 464963.41

3808081.91   5.95886 (09010519)
        464983.41   3808081.91   5.89412 (09010519)   465003.41
3808081.91   5.82935 (09010519)
        465023.41   3808081.91   5.76126 (09010519)   465043.41
3808081.91   5.69298 (09010519)
        465063.41   3808081.91   5.63243 (09010519)   465083.41
3808081.91   5.56569 (09010519)
        465103.41   3808081.91   5.49682 (09010519)   465123.41
3808081.91   5.43188 (09010519)
        465143.41   3808081.91   5.36754 (09010519)   465163.41
3808081.91   5.30372 (09010519)
        465183.41   3808081.91   5.23988 (09010519)   465203.41
3808081.91   5.17679 (09010519)
        465223.41   3808081.91   5.11434 (09010519)   465243.41
3808081.91   5.05201 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                 INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        465383.41   3808081.91        4.64446  (09010519)              465403.41
3808081.91        4.59094  (09010519)
        465423.41   3808081.91        4.53441  (09010519)              465443.41
3808081.91        4.48144  (09010519)
        465463.41   3808081.91        4.43615  (09010519)              465483.41
3808081.91        4.38170  (09010519)
        465503.41   3808081.91        4.32820  (09010519)              465523.41
3808081.91        4.27553  (09010519)
        465543.41   3808081.91        4.22325  (09010519)              465563.41
3808081.91        4.17439  (09010519)
        465583.41   3808081.91        4.12738  (09010519)              465603.41
3808081.91        4.08098  (09010519)
        465623.41   3808081.91        4.03517  (09010519)              465643.41
3808081.91        3.98935  (09010519)
        465663.41   3808081.91        3.94155  (09010519)              465683.41
3808081.91        3.89663  (09010519)
        465703.41   3808081.91        3.85274  (09010519)              464843.41
3808101.91        7.31483  (10102019)
        464863.41   3808101.91        6.98048  (10102019)              464883.41
3808101.91        6.66573  (10102019)
        464903.41   3808101.91        6.46478  (09010519)              464923.41
3808101.91        6.40026  (09010519)
        464943.41   3808101.91        6.32856  (09010519)              464963.41
3808101.91        6.25162  (09010519)
        464983.41   3808101.91        6.17326  (09010519)              465003.41
3808101.91        6.09988  (09010519)
        465023.41   3808101.91        6.02268  (09010519)              465043.41
3808101.91        5.94506  (09010519)
        465063.41   3808101.91        5.87276  (09010519)              465083.41
3808101.91        5.79549  (09010519)
        465103.41   3808101.91        5.71661  (09010519)              465123.41
3808101.91        5.63996  (09010519)
        465143.41   3808101.91        5.56937  (09010519)              465163.41
3808101.91        5.50051  (09010519)
        465183.41   3808101.91        5.42393  (09010519)              465203.41
3808101.91        5.35359  (09010519)
        465223.41   3808101.91        5.28571  (09010519)              465243.41
3808101.91        5.21370  (09010519)
        465263.41   3808101.91        5.14780  (09010519)              465283.41
3808101.91        5.08502  (09010519)
        465303.41   3808101.91        5.02142  (09010519)              465323.41
3808101.91        4.95473  (09010519)
        465343.41   3808101.91        4.88825  (09010519)              465363.41
3808101.91        4.82728  (09010519)
        465383.41   3808101.91        4.76823  (09010519)              465403.41
3808101.91        4.70943  (09010519)
        465423.41   3808101.91        4.64570  (09010519)              465443.41
3808101.91        4.58748  (09010519)
        465463.41   3808101.91        4.54123  (09010519)              465483.41
3808101.91        4.48018  (09010519)
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        465503.41   3808101.91        4.42344  (09010519)               465523.41
3808101.91        4.36829  (09010519)
        465543.41   3808101.91        4.30995  (09010519)               465563.41
3808101.91        4.25688  (09010519)
        465583.41   3808101.91        4.20658  (09010519)               465603.41
3808101.91        4.15701  (09010519)
        465623.41   3808101.91        4.10815  (09010519)               465643.41
3808101.91        4.05980  (09010519)
        465663.41   3808101.91        4.01102  (09010519)               465683.41
3808101.91        3.96391  (09010519)
        465703.41   3808101.91        3.91692  (09010519)               464863.41
3808121.91        6.93936  (09010519)
        464883.41   3808121.91        6.86829  (09010519)               464903.41
3808121.91        6.78870  (09010519)
        464923.41   3808121.91        6.70541  (09010519)               464943.41
3808121.91        6.62095  (09010519)
        464963.41   3808121.91        6.53574  (09010519)               464983.41
3808121.91        6.44949  (09010519)
        465003.41   3808121.91        6.35746  (09010519)               465023.41
3808121.91        6.27143  (09010519)
        465043.41   3808121.91        6.18748  (09010519)               465063.41
3808121.91        6.09793  (09010519)
        465083.41   3808121.91        6.00842  (09010519)               465103.41
3808121.91        5.92082  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 736
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                  L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                  L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                  L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)        CONC     (YYMMDDHH)
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3808141.91   5.59286 (09010519)
        465243.41   3808141.91   5.51552 (09010519)   465263.41
3808141.91   5.43564 (09010519)
        465283.41   3808141.91   5.35560 (09010519)   465303.41
3808141.91   5.27730 (09010519)
        465323.41   3808141.91   5.20012 (09010519)   465343.41
3808141.91   5.12433 (09010519)
        465363.41   3808141.91   5.05024 (09010519)   465383.41
3808141.91   4.98079 (09010519)
        465403.41   3808141.91   4.91315 (09010519)   465423.41
3808141.91   4.84257 (09010519)
        465443.41   3808141.91   4.77655 (09010519)   465463.41
3808141.91   4.71349 (09010519)
        465483.41   3808141.91   4.65137 (09010519)   465503.41
3808141.91   4.58748 (09010519)
        465523.41   3808141.91   4.52348 (09010519)   465543.41
3808141.91   4.46029 (09010519)
        465563.41   3808141.91   4.40130 (09010519)   465583.41
3808141.91   4.34471 (09010519)
        465603.41   3808141.91   4.28910 (09010519)   465623.41
3808141.91   4.23446 (09010519)
        465643.41   3808141.91   4.18008 (09010519)   465663.41
3808141.91   4.12378 (09010519)
        465683.41   3808141.91   4.06829 (09010519)   465703.41
3808141.91   4.01449 (09010519)
        464883.41   3808161.91   7.49185 (09010519)   464903.41
3808161.91   7.39896 (09010519)
        464923.41   3808161.91   7.29710 (09010519)   464943.41
3808161.91   7.18556 (09010519)
        464963.41   3808161.91   7.07562 (09010519)   464983.41
3808161.91   6.96578 (09010519)
        465003.41   3808161.91   6.85015 (09010519)   465023.41
3808161.91   6.74095 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                  INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                 L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                 L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                 L0006122   , L0006123   , L0006124   , L0006125   , L0006126

, L0006127   , L0006128   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465043.41	3808161.91	6.63453	(09010519)	465063.41	3808161.91	6.52219	(09010519)
465083.41	3808161.91	6.41328	(09010519)	465103.41	3808161.91	6.30845	(09010519)
465123.41	3808161.91	6.21146	(09010519)	465143.41	3808161.91	6.11138	(09010519)
465163.41	3808161.91	6.01233	(09010519)	465183.41	3808161.91	5.92093	(09010519)
465203.41	3808161.91	5.82650	(09010519)	465223.41	3808161.91	5.73307	(09010519)
465243.41	3808161.91	5.64706	(09010519)	465263.41	3808161.91	5.55809	(09010519)
465283.41	3808161.91	5.47006	(09010519)	465303.41	3808161.91	5.38919	(09010519)
465323.41	3808161.91	5.30541	(09010519)	465343.41	3808161.91	5.22252	(09010519)
465363.41	3808161.91	5.14652	(09010519)	465383.41	3808161.91	5.07323	(09010519)
465403.41	3808161.91	5.00075	(09010519)	465423.41	3808161.91	4.92319	(09010519)
465443.41	3808161.91	4.85234	(09010519)	465463.41	3808161.91	4.78517	(09010519)
465483.41	3808161.91	4.71774	(09010519)	465503.41	3808161.91	4.65285	(09010519)
465523.41	3808161.91	4.58840	(09010519)	465543.41	3808161.91	4.51943	(09010519)
465563.41	3808161.91	4.45666	(09010519)	465583.41	3808161.91	4.39729	(09010519)
465603.41	3808161.91	4.33901	(09010519)	465623.41	3808161.91	4.28073	(09010519)
465643.41	3808161.91	4.22344	(09010519)	465663.41	3808161.91	4.16839	(09010519)
465683.41	3808161.91	4.11018	(09010519)	465703.41	3808161.91	4.05208	(09010519)
464903.41	3808181.91	7.67306	(09010519)	464923.41	3808181.91	7.55870	(09010519)
464943.41	3808181.91	7.43387	(09010519)	464963.41	3808181.91	7.31132	(09010519)

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        464983.41   3808181.91        7.19069  (09010519)               465003.41
3808181.91        7.07109  (09010519)
        465023.41   3808181.91        6.94784  (09010519)               465043.41
3808181.91        6.82391  (09010519)
        465063.41   3808181.91        6.70087  (09010519)               465083.41
3808181.91        6.58780  (09010519)
        465103.41   3808181.91        6.47921  (09010519)               465123.41
3808181.91        6.36528  (09010519)
        465143.41   3808181.91        6.25993  (09010519)               465163.41
3808181.91        6.15832  (09010519)
        465183.41   3808181.91        6.05148  (09010519)               465203.41
3808181.91        5.95290  (09010519)
        465223.41   3808181.91        5.85788  (09010519)               465243.41
3808181.91        5.75774  (09010519)
        465263.41   3808181.91        5.66553  (09010519)               465283.41
3808181.91        5.57671  (09010519)
        465303.41   3808181.91        5.48286  (09010519)               465323.41
3808181.91        5.39662  (09010519)
        465343.41   3808181.91        5.31357  (09010519)               465363.41
3808181.91        5.22563  (09010519)
        465383.41   3808181.91        5.14607  (09010519)               465403.41
3808181.91        5.07073  (09010519)
        465423.41   3808181.91        4.99586  (09010519)               465443.41
3808181.91        4.92344  (09010519)
        465463.41   3808181.91        4.85148  (09010519)               465483.41
3808181.91        4.77429  (09010519)
        465503.41   3808181.91        4.70416  (09010519)               465523.41
3808181.91        4.63801  (09010519)
        465543.41   3808181.91        4.57197  (09010519)               465563.41
3808181.91        4.50820  (09010519)
        465583.41   3808181.91        4.44610  (09010519)               465603.41
3808181.91        4.38521  (09010519)
        465623.41   3808181.91        4.32075  (09010519)               465643.41
3808181.91        4.25663  (09010519)
        465663.41   3808181.91        4.19953  (09010519)               465683.41
3808181.91        4.14283  (09010519)
        465703.41   3808181.91        4.08587  (09010519)               464923.41
3808201.91        7.78616  (09010519)
        464943.41   3808201.91        7.65691  (09010519)               464963.41
3808201.91        7.52482  (09010519)
        464983.41   3808201.91        7.39297  (09010519)               465003.41
3808201.91        7.26405  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 738
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***

INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 , L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 , L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 , L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465023.41	3808201.91	7.12909	(09010519)	465043.41	3808201.91	6.99400	(09010519)
465063.41	3808201.91	6.86812	(09010519)	465083.41	3808201.91	6.74463	(09010519)
465103.41	3808201.91	6.62389	(09010519)	465123.41	3808201.91	6.50681	(09010519)
465143.41	3808201.91	6.39194	(09010519)	465163.41	3808201.91	6.27981	(09010519)
465183.41	3808201.91	6.17073	(09010519)	465203.41	3808201.91	6.06388	(09010519)
465223.41	3808201.91	5.95957	(09010519)	465243.41	3808201.91	5.85810	(09010519)
465263.41	3808201.91	5.75867	(09010519)	465283.41	3808201.91	5.66159	(09010519)
465303.41	3808201.91	5.56715	(09010519)	465323.41	3808201.91	5.47458	(09010519)
465343.41	3808201.91	5.38417	(09010519)	465363.41	3808201.91	5.29621	(09010519)
465383.41	3808201.91	5.20996	(09010519)	465403.41	3808201.91	5.12652	(09010519)
465423.41	3808201.91	5.04964	(09010519)	465443.41	3808201.91	4.97442	(09010519)
465463.41	3808201.91	4.90006	(09010519)	465483.41	3808201.91	4.82333	(09010519)
465503.41	3808201.91	4.75153	(09010519)	465523.41	3808201.91	4.68271	(09010519)
465543.41	3808201.91	4.61533	(09010519)	465563.41	3808201.91	4.54615	(09010519)
465583.41	3808201.91	4.47797	(09010519)	465603.41			

```
3808201.91        4.41490  (09010519)
        465623.41   3808201.91        4.35037  (09010519)                465643.41
3808201.91        4.28672  (09010519)
        465663.41   3808201.91        4.22762  (09010519)                465683.41
3808201.91        4.16686  (09010519)
        465703.41   3808201.91        4.10621  (09010519)                464943.41
3808221.91        7.85326  (09010519)
        464963.41   3808221.91        7.71322  (09010519)                464983.41
3808221.91        7.57033  (09010519)
        465003.41   3808221.91        7.43100  (09010519)                465023.41
3808221.91        7.28741  (09010519)
        465043.41   3808221.91        7.14541  (09010519)                465063.41
3808221.91        7.01418  (09010519)
        465083.41   3808221.91        6.87856  (09010519)                465103.41
3808221.91        6.74537  (09010519)
        465123.41   3808221.91        6.62709  (09010519)                465143.41
3808221.91        6.50449  (09010519)
        465163.41   3808221.91        6.38304  (09010519)                465183.41
3808221.91        6.27127  (09010519)
        465203.41   3808221.91        6.15689  (09010519)                465223.41
3808221.91        6.04446  (09010519)
        465243.41   3808221.91        5.94117  (09010519)                465263.41
3808221.91        5.83524  (09010519)
        465283.41   3808221.91        5.73105  (09010519)                465303.41
3808221.91        5.63549  (09010519)
        465323.41   3808221.91        5.53727  (09010519)                465343.41
3808221.91        5.44061  (09010519)
        465363.41   3808221.91        5.35209  (09010519)                465383.41
3808221.91        5.26092  (09010519)
        465403.41   3808221.91        5.17147  (09010519)                465423.41
3808221.91        5.09149  (09010519)
        465443.41   3808221.91        5.01334  (09010519)                465463.41
3808221.91        4.93694  (09010519)
        465483.41   3808221.91        4.86226  (09010519)                465503.41
3808221.91        4.78793  (09010519)
        465523.41   3808221.91        4.71515  (09010519)                465543.41
3808221.91        4.64541  (09010519)
        465563.41   3808221.91        4.57215  (09010519)                465583.41
3808221.91        4.49962  (09010519)
        465603.41   3808221.91        4.43464  (09010519)                465623.41
3808221.91        4.36990  (09010519)
        465643.41   3808221.91        4.30645  (09010519)                465663.41
3808221.91        4.24562  (09010519)
        465683.41   3808221.91        4.18159  (09010519)                465703.41
3808221.91        4.11789  (09010519)
        464963.41   3808241.91        7.87395  (09010519)                464983.41
3808241.91        7.72076  (09010519)
        465003.41   3808241.91        7.57177  (09010519)                465023.41
3808241.91        7.42524  (09010519)
        465043.41   3808241.91        7.28055  (09010519)                465063.41
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                   INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465083.41   3808241.91   6.98405 (09010519)   465103.41   3808241.91   6.84310 (09010519)
        465123.41   3808241.91   6.71828 (09010519)   465143.41   3808241.91   6.59527 (09010519)
        465163.41   3808241.91   6.47349 (09010519)   465183.41   3808241.91   6.34665 (09010519)
        465203.41   3808241.91   6.22995 (09010519)   465223.41   3808241.91   6.11799 (09010519)
        465243.41   3808241.91   6.00100 (09010519)   465263.41   3808241.91   5.89353 (09010519)
        465283.41   3808241.91   5.79042 (09010519)   465303.41   3808241.91   5.68235 (09010519)
        465323.41   3808241.91   5.58322 (09010519)   465343.41   3808241.91   5.48811 (09010519)
        465363.41   3808241.91   5.38812 (09010519)   465383.41   3808241.91   5.29653 (09010519)
        465403.41   3808241.91   5.21035 (09010519)   465423.41   3808241.91   5.12744 (09010519)
        465443.41   3808241.91   5.04650 (09010519)   465463.41   3808241.91   4.96747 (09010519)

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        465483.41   3808241.91        4.89030  (09010519)              465503.41
3808241.91        4.80913  (09010519)
        465523.41   3808241.91        4.72876  (09010519)              465543.41
3808241.91        4.65718  (09010519)
        465563.41   3808241.91        4.58639  (09010519)              465583.41
3808241.91        4.51695  (09010519)
        465603.41   3808241.91        4.45018  (09010519)              465623.41
3808241.91        4.37980  (09010519)
        465643.41   3808241.91        4.31001  (09010519)              465663.41
3808241.91        4.25265  (10032206)
        465683.41   3808241.91        4.19864  (10032206)              465703.41
3808241.91        4.14425  (10032206)
        464983.41   3808261.91        7.81392  (09010519)              465003.41
3808261.91        7.66676  (09010519)
        465023.41   3808261.91        7.51741  (09010519)              465043.41
3808261.91        7.36784  (09010519)
        465063.41   3808261.91        7.21668  (09010519)              465083.41
3808261.91        7.07005  (09010519)
        465103.41   3808261.91        6.92757  (09010519)              465123.41
3808261.91        6.78839  (09010519)
        465143.41   3808261.91        6.65892  (09010519)              465163.41
3808261.91        6.53422  (09010519)
        465183.41   3808261.91        6.40775  (09010519)              465203.41
3808261.91        6.28429  (09010519)
        465223.41   3808261.91        6.16434  (09010519)              465243.41
3808261.91        6.04819  (09010519)
        465263.41   3808261.91        5.93963  (09010519)              465283.41
3808261.91        5.83382  (09010519)
        465303.41   3808261.91        5.72033  (09010519)              465323.41
3808261.91        5.61385  (09010519)
        465343.41   3808261.91        5.51251  (09010519)              465363.41
3808261.91        5.41425  (09010519)
        465383.41   3808261.91        5.31827  (09010519)              465403.41
3808261.91        5.22571  (09010519)
        465423.41   3808261.91        5.14056  (09010519)              465443.41
3808261.91        5.05751  (09010519)
        465463.41   3808261.91        4.97878  (10032206)              465483.41
3808261.91        4.90911  (10032206)
        465503.41   3808261.91        4.83762  (10032206)              465523.41
3808261.91        4.76716  (10032206)
        465543.41   3808261.91        4.70207  (10032206)              465563.41
3808261.91        4.63496  (10032206)
        465583.41   3808261.91        4.56878  (10032206)              465603.41
3808261.91        4.50792  (10032206)
        465623.41   3808261.91        4.44537  (10032206)              465643.41
3808261.91        4.38286  (10032206)
        465663.41   3808261.91        4.32131  (10032206)              465683.41
3808261.91        4.26418  (10032206)
        465703.41   3808261.91        4.20887  (10032206)              465003.41
3808281.91        7.72641  (09010519)
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                   INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                  L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                  L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                  L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        465223.41   3808281.91   6.19179 (09010519)   465243.41   3808281.91   6.07864 (09010519)
        465263.41   3808281.91   5.96686 (09010519)   465283.41   3808281.91   5.86346 (10032206)
        465303.41   3808281.91   5.75851 (10032206)   465323.41   3808281.91   5.65791 (10032206)
        465343.41   3808281.91   5.56215 (10032206)   465363.41   3808281.91   5.47497 (10032206)
        465383.41   3808281.91   5.38486 (10032206)   465403.41   3808281.91   5.29610 (10032206)
        465423.41   3808281.91   5.21541 (10032206)   465443.41

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3808281.91        5.13803  (10032206)
        465463.41   3808281.91        5.06661  (10032206)                465483.41
3808281.91        4.99348  (10032206)
        465503.41   3808281.91        4.92201  (10032206)                465523.41
3808281.91        4.85185  (10032206)
        465543.41   3808281.91        4.78163  (10032206)                465563.41
3808281.91        4.70893  (10032206)
        465583.41   3808281.91        4.63748  (10032206)                465603.41
3808281.91        4.57398  (10032206)
        465623.41   3808281.91        4.51061  (10032206)                465643.41
3808281.91        4.44714  (10032206)
        465663.41   3808281.91        4.38052  (10032206)                465683.41
3808281.91        4.31912  (10032206)
        465703.41   3808281.91        4.26117  (10032206)                465003.41
3808301.91        7.75771  (09010519)
        465023.41   3808301.91        7.60666  (09010519)                465043.41
3808301.91        7.45848  (09010519)
        465063.41   3808301.91        7.28812  (09010519)                465083.41
3808301.91        7.14460  (09010519)
        465103.41   3808301.91        7.02546  (10032206)                465123.41
3808301.91        6.89758  (10032206)
        465143.41   3808301.91        6.77473  (10032206)                465163.41
3808301.91        6.65374  (10032206)
        465183.41   3808301.91        6.52553  (10032206)                465203.41
3808301.91        6.40823  (10032206)
        465223.41   3808301.91        6.29809  (10032206)                465243.41
3808301.91        6.19239  (10032206)
        465263.41   3808301.91        6.08162  (10032206)                465283.41
3808301.91        5.96987  (10032206)
        465303.41   3808301.91        5.85952  (10032206)                465323.41
3808301.91        5.75990  (10032206)
        465343.41   3808301.91        5.66509  (10032206)                465363.41
3808301.91        5.56492  (10032206)
        465383.41   3808301.91        5.47364  (10032206)                465403.41
3808301.91        5.38621  (10032206)
        465423.41   3808301.91        5.29355  (10032206)                465443.41
3808301.91        5.21048  (10032206)
        465463.41   3808301.91        5.14735  (10032206)                465483.41
3808301.91        5.07093  (10032206)
        465503.41   3808301.91        4.99631  (10032206)                465523.41
3808301.91        4.92190  (10032206)
        465543.41   3808301.91        4.84208  (10032206)                465563.41
3808301.91        4.76907  (10032206)
        465583.41   3808301.91        4.70032  (10032206)                465603.41
3808301.91        4.63432  (10032206)
        465623.41   3808301.91        4.56430  (10032206)                465643.41
3808301.91        4.49466  (10032206)
        465663.41   3808301.91        4.43190  (10032206)                465683.41
3808301.91        4.36623  (10032206)
        465703.41   3808301.91        4.30139  (10032206)                465043.41
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3808321.91   7.56986 (10032206)
        465063.41   3808321.91   7.42666 (10032206)   465083.41
3808321.91   7.29242 (10032206)
        465103.41   3808321.91   7.16290 (10032206)   465123.41
3808321.91   7.03031 (10032206)
        465143.41   3808321.91   6.90160 (10032206)   465163.41
3808321.91   6.77522 (10032206)
        465183.41   3808321.91   6.64678 (10032206)   465203.41
3808321.91   6.52692 (10032206)
        465223.41   3808321.91   6.41139 (10032206)   465243.41
3808321.91   6.29274 (10032206)
        465263.41   3808321.91   6.17329 (10032206)   465283.41
3808321.91   6.05639 (10032206)
        465303.41   3808321.91   5.94865 (10032206)   465323.41
3808321.91   5.84352 (10032206)
        465343.41   3808321.91   5.74133 (10032206)   465363.41
3808321.91   5.64235 (10032206)
        465383.41   3808321.91   5.54568 (10032206)   465403.41
3808321.91   5.45163 (10032206)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                   INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                 L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                 L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                 L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

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        465463.41   3808321.91        5.20342  (10032206)               465483.41
3808321.91        5.12438  (10032206)
        465503.41   3808321.91        5.04728  (10032206)               465523.41
3808321.91        4.97109  (10032206)
        465543.41   3808321.91        4.89268  (10032206)               465563.41
3808321.91        4.81963  (10032206)
        465583.41   3808321.91        4.74894  (10032206)               465603.41
3808321.91        4.67567  (10032206)
        465623.41   3808321.91        4.60448  (10032206)               465643.41
3808321.91        4.53515  (10032206)
        465663.41   3808321.91        4.46706  (10032206)               465683.41
3808321.91        4.40086  (10032206)
        465703.41   3808321.91        4.33635  (10032206)               465083.41
3808341.91        7.41208  (10032206)
        465103.41   3808341.91        7.26980  (10032206)               465123.41
3808341.91        7.13508  (10032206)
        465143.41   3808341.91        7.00176  (10032206)               465163.41
3808341.91        6.87144  (10032206)
        465183.41   3808341.91        6.74503  (10032206)               465203.41
3808341.91        6.62030  (10032206)
        465223.41   3808341.91        6.49684  (10032206)               465243.41
3808341.91        6.36983  (10032206)
        465263.41   3808341.91        6.24441  (10032206)               465283.41
3808341.91        6.12397  (10032206)
        465303.41   3808341.91        6.01654  (10032206)               465323.41
3808341.91        5.90441  (10032206)
        465343.41   3808341.91        5.79446  (10032206)               465363.41
3808341.91        5.69889  (10032206)
        465383.41   3808341.91        5.59875  (10032206)               465403.41
3808341.91        5.49946  (10032206)
        465423.41   3808341.91        5.40925  (10032206)               465443.41
3808341.91        5.32293  (10032206)
        465463.41   3808341.91        5.24335  (10032206)               465483.41
3808341.91        5.16218  (10032206)
        465503.41   3808341.91        5.08304  (10032206)               465523.41
3808341.91        5.00554  (10032206)
        465543.41   3808341.91        4.92820  (10032206)               465563.41
3808341.91        4.85421  (10032206)
        465583.41   3808341.91        4.78111  (10032206)               465603.41
3808341.91        4.70321  (10032206)
        465623.41   3808341.91        4.63142  (10032206)               465643.41
3808341.91        4.56227  (10032206)
        465663.41   3808341.91        4.48992  (10032206)               465683.41
3808341.91        4.42331  (10032206)
        465703.41   3808341.91        4.35913  (10032206)               465103.41
3808361.91        7.34607  (10032206)
        465123.41   3808361.91        7.21875  (10032206)               465143.41
3808361.91        7.08442  (10032206)
        465163.41   3808361.91        6.94935  (10032206)               465183.41
3808361.91        6.81846  (10032206)
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        465203.41   3808361.91        6.68249  (10032206)               465223.41
3808361.91        6.54849  (10032206)
        465243.41   3808361.91        6.42778  (10032206)               465263.41
3808361.91        6.30208  (10032206)
        465283.41   3808361.91        6.17645  (10032206)               465303.41
3808361.91        6.05611  (10032206)
        465323.41   3808361.91        5.93825  (10032206)               465343.41
3808361.91        5.82559  (10032206)
        465363.41   3808361.91        5.72784  (10032206)               465383.41
3808361.91        5.63134  (10032206)
        465403.41   3808361.91        5.53551  (10032206)               465423.41
3808361.91        5.43436  (10032206)
        465443.41   3808361.91        5.34375  (10032206)               465463.41
3808361.91        5.27470  (10032206)
        465483.41   3808361.91        5.19164  (10032206)               465503.41
3808361.91        5.11071  (10032206)
        465523.41   3808361.91        5.03019  (10032206)               465543.41
3808361.91        4.94409  (10032206)
        465563.41   3808361.91        4.86639  (10032206)               465583.41
3808361.91        4.79351  (10032206)
        465603.41   3808361.91        4.72103  (10032206)               465623.41
3808361.91        4.64556  (10032206)
        465643.41   3808361.91        4.57110  (10032206)               465663.41
3808361.91        4.50406  (10032206)
        465683.41   3808361.91        4.43406  (10032206)               465703.41
3808361.91        4.36493  (10032206)
        465183.41   3808381.91        6.84015  (10032206)               465203.41
3808381.91        6.70304  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 742
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                 L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                 L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                 L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465223.41	3808381.91	6.57035	(10032206)	465243.41	3808381.91	6.44096	(10032206)
465263.41	3808381.91	6.31097	(10032206)	465283.41	3808381.91	6.18387	(10032206)
465303.41	3808381.91	6.06755	(10032206)	465323.41	3808381.91	5.94940	(10032206)
465343.41	3808381.91	5.83482	(10032206)	465363.41	3808381.91	5.73560	(10032206)
465383.41	3808381.91	5.63915	(10032206)	465403.41	3808381.91	5.54435	(10032206)
465423.41	3808381.91	5.44683	(10032206)	465443.41	3808381.91	5.35635	(10032206)
465463.41	3808381.91	5.27913	(10032206)	465483.41	3808381.91	5.19500	(10032206)
465503.41	3808381.91	5.11307	(10032206)	465523.41	3808381.91	5.03225	(10032206)
465543.41	3808381.91	4.94922	(10032206)	465563.41	3808381.91	4.86808	(10032206)
465583.41	3808381.91	4.79005	(10032206)	465603.41	3808381.91	4.71843	(10032206)
465623.41	3808381.91	4.64522	(10032206)	465643.41	3808381.91	4.57236	(10032206)
465663.41	3808381.91	4.50091	(10032206)	465683.41	3808381.91	4.43154	(10032206)
465703.41	3808381.91	4.36404	(10032206)	465303.41	3808401.91	6.05012	(10032206)
465323.41	3808401.91	5.93528	(10032206)	465343.41	3808401.91	5.82214	(10032206)
465363.41	3808401.91	5.72221	(10032206)	465383.41	3808401.91	5.62509	(10032206)
465403.41	3808401.91	5.53069	(10032206)	465423.41	3808401.91	5.43889	(10032206)
465443.41	3808401.91	5.34961	(10032206)	465463.41	3808401.91	5.26292	(10032206)
465483.41	3808401.91	5.17837	(10032206)	465503.41	3808401.91	5.09605	(10032206)
465523.41	3808401.91	5.01588	(10032206)	465543.41	3808401.91	4.93780	(10032206)
465563.41	3808401.91	4.85565	(10032206)	465583.41	3808401.91	4.77456	(10032206)
465603.41	3808401.91	4.70263	(10032206)	465623.41	3808401.91	4.63110	(10032206)
465643.41	3808401.91	4.55971	(10032206)	465663.41			

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3808401.91        4.48506  (10032206)
        465683.41   3808401.91        4.41644  (10032206)                465703.41
3808401.91        4.35040  (10032206)
        465323.41   3808421.91        5.89245  (10032206)                465343.41
3808421.91        5.78788  (10032206)
        465363.41   3808421.91        5.68795  (10032206)                465383.41
3808421.91        5.59088  (10032206)
        465403.41   3808421.91        5.49653  (10032206)                465423.41
3808421.91        5.40482  (10032206)
        465443.41   3808421.91        5.31564  (10032206)                465463.41
3808421.91        5.22889  (10032206)
        465483.41   3808421.91        5.14448  (10032206)                465503.41
3808421.91        5.06232  (10032206)
        465523.41   3808421.91        4.98233  (10032206)                465543.41
3808421.91        4.90443  (10032206)
        465563.41   3808421.91        4.82754  (10032206)                465583.41
3808421.91        4.75233  (10032206)
        465603.41   3808421.91        4.68031  (10032206)                465623.41
3808421.91        4.60409  (10032206)
        465643.41   3808421.91        4.52848  (10032206)                465663.41
3808421.91        4.46055  (10032206)
        465683.41   3808421.91        4.38961  (10032206)                465703.41
3808421.91        4.31960  (10032206)
        465323.41   3808441.91        5.83405  (10032206)                465343.41
3808441.91        5.73333  (10032206)
        465363.41   3808441.91        5.64201  (10032206)                465383.41
3808441.91        5.54800  (10032206)
        465403.41   3808441.91        5.45405  (10032206)                465423.41
3808441.91        5.36273  (10032206)
        465443.41   3808441.91        5.27395  (10032206)                465463.41
3808441.91        5.18761  (10032206)
        465483.41   3808441.91        5.10360  (10032206)                465503.41
3808441.91        5.02185  (10032206)
        465523.41   3808441.91        4.94227  (10032206)                465543.41
3808441.91        4.86478  (10032206)
        465563.41   3808441.91        4.78931  (10032206)                465583.41
3808441.91        4.71577  (10032206)
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*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
L0006106   , L0006107   , L0006108   , L0006109   , L0006110

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, L0006111    , L0006112    , L0006113    ,
                L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465603.41   3808441.91        4.64410  (10032206)               465623.41
3808441.91        4.56735  (10032206)
        465643.41   3808441.91        4.49017  (10032206)               465663.41
3808441.91        4.41892  (10032206)
        465683.41   3808441.91        4.34980  (10032206)               465703.41
3808441.91        4.28345  (10032206)
        465343.41   3808461.91        5.65723  (10032206)               465363.41
3808461.91        5.57172  (10032206)
        465383.41   3808461.91        5.48205  (10032206)               465403.41
3808461.91        5.39157  (10032206)
        465423.41   3808461.91        5.30132  (10032206)               465443.41
3808461.91        5.21357  (10032206)
        465463.41   3808461.91        5.12843  (10032206)               465483.41
3808461.91        5.04542  (10032206)
        465503.41   3808461.91        4.96625  (10032206)               465523.41
3808461.91        4.88930  (10032206)
        465543.41   3808461.91        4.81264  (10032206)               465563.41
3808461.91        4.73797  (10032206)
        465583.41   3808461.91        4.66522  (10032206)               465603.41
3808461.91        4.59433  (10032206)
        465623.41   3808461.91        4.51841  (10032206)               465643.41
3808461.91        4.44115  (10032206)
        465663.41   3808461.91        4.36590  (10032206)               465683.41
3808461.91        4.29940  (10032206)
        465703.41   3808461.91        4.23732  (10032206)               465343.41
3808481.91        5.55880  (10032206)
        465363.41   3808481.91        5.46533  (10032206)               465383.41
3808481.91        5.38175  (10032206)
        465403.41   3808481.91        5.30140  (10032206)               465423.41
3808481.91        5.21312  (10032206)
        465443.41   3808481.91        5.12727  (10032206)               465463.41
3808481.91        5.04378  (10032206)
        465483.41   3808481.91        4.96255  (10032206)               465503.41
3808481.91        4.89052  (10032206)
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        465523.41   3808481.91        4.82147  (10032206)                465543.41
3808481.91        4.74610  (10032206)
        465563.41   3808481.91        4.67269  (10032206)                465583.41
3808481.91        4.60117  (10032206)
        465603.41   3808481.91        4.53146  (10032206)                465623.41
3808481.91        4.45678  (10032206)
        465643.41   3808481.91        4.38078  (10032206)                465663.41
3808481.91        4.30674  (10032206)
        465683.41   3808481.91        4.24134  (10032206)                465703.41
3808481.91        4.17915  (10032206)
        465463.41   3808501.91        4.95266  (10032206)                465483.41
3808501.91        4.86697  (10032206)
        465503.41   3808501.91        4.79618  (10032206)                465523.41
3808501.91        4.73061  (10032206)
        465543.41   3808501.91        4.65723  (10032206)                465563.41
3808501.91        4.58946  (10032206)
        465583.41   3808501.91        4.52327  (10032206)                465603.41
3808501.91        4.44988  (10032206)
        465623.41   3808501.91        4.37872  (10032206)                465643.41
3808501.91        4.30868  (10032206)
        465663.41   3808501.91        4.23623  (10032206)                465683.41
3808501.91        4.17226  (10032206)
        465703.41   3808501.91        4.11115  (10032206)                465523.41
3808521.91        4.62403  (10032206)
        465543.41   3808521.91        4.55312  (10032206)                465563.41
3808521.91        4.49126  (10032206)
        465583.41   3808521.91        4.43064  (10032206)                465603.41
3808521.91        4.35649  (10032206)
        465623.41   3808521.91        4.28845  (10032206)                465643.41
3808521.91        4.22304  (10032206)
        465663.41   3808521.91        4.15442  (10032206)                465683.41
3808521.91        4.09150  (10032206)
        465703.41   3808521.91        4.03099  (10032206)                464239.31
3809562.31       10.40672  (09031705)
        464277.31   3809562.31       10.21998  (09040202)                463745.31
3809591.37       10.25696  (09011307)
        463783.31   3809591.37       10.33415  (09031206)                463821.31
3809591.37       10.75572  (09011120)
        463859.31   3809591.37       10.96847  (09011120)                463897.31
3809591.37       10.82813  (09011120)
        463935.31   3809591.37       10.27325  (09011120)                464239.31
3809591.37       10.14534  (09031705)
        464277.31   3809591.37        9.89518  (09040202)                463745.31
3809620.43        9.81851  (09011307)
        463783.31   3809620.43        9.91097  (09031206)                463821.31
3809620.43       10.34708  (09011120)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
463859.31	3809620.43	10.52510	(09011120)	463897.31	3809620.43	10.39823	(09011120)
463935.31	3809620.43	9.92697	(09011120)	463973.31	3809620.43	9.96503	(10010907)
464011.31	3809620.43	10.20944	(10010907)	464049.31	3809620.43	10.10352	(10010907)
464087.31	3809620.43	9.69280	(10010907)	464125.31	3809620.43	10.11217	(10022820)
464163.31	3809620.43	10.28072	(10022820)	464201.31	3809620.43	10.13981	(10022820)
464239.31	3809620.43	9.85357	(09031705)	464277.31	3809620.43	9.55197	(09040202)
463745.31	3809649.49	9.40037	(09011307)	463783.31	3809649.49	9.54235	(09031206)
463821.31	3809649.49	9.93624	(09011120)	463859.31	3809649.49	10.11231	(09011120)
463897.31	3809649.49	9.99222	(09011120)	463935.31	3809649.49	9.56653	(09011120)
463973.31	3809649.49	9.45136	(10010907)	464011.31	3809649.49	9.76539	(10010907)
464049.31	3809649.49	9.76401	(10010907)	464087.31	3809649.49	9.42701	(10010907)
464125.31	3809649.49	9.67741	(10022820)	464163.31	3809649.49	9.89810	(10022820)
464201.31	3809649.49	9.86582	(10022820)	464239.31			

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3809649.49        9.58136  (10022820)
        464277.31   3809649.49        9.32109  (09031705)                464315.31
3809649.49        9.16201  (09040202)
        464353.31   3809649.49        8.93431  (09040202)                464391.31
3809649.49        8.51400  (09040202)
        464429.31   3809649.49        8.37031  (09010420)                464467.31
3809649.49        8.35446  (10011407)
        464505.31   3809649.49        8.27494  (10011407)                463745.31
3809678.55        8.98498  (09011307)
        463783.31   3809678.55        9.13591  (09031206)                463821.31
3809678.55        9.55525  (09011120)
        463859.31   3809678.55        9.70808  (09011120)                463897.31
3809678.55        9.60893  (09011120)
        463935.31   3809678.55        9.23436  (09011120)                463973.31
3809678.55        9.02791  (10010907)
        464011.31   3809678.55        9.34549  (10010907)                464049.31
3809678.55        9.43358  (10010907)
        464087.31   3809678.55        9.20159  (10010907)                464125.31
3809678.55        9.25403  (10022820)
        464163.31   3809678.55        9.53693  (10022820)                464201.31
3809678.55        9.59284  (10022820)
        464239.31   3809678.55        9.35979  (10022820)                464277.31
3809678.55        9.09826  (09031705)
        464315.31   3809678.55        8.89321  (09040202)                464353.31
3809678.55        8.75369  (09040202)
        464391.31   3809678.55        8.41341  (09040202)                464429.31
3809678.55        8.14961  (09010420)
        464467.31   3809678.55        8.06169  (10011407)                464505.31
3809678.55        8.04023  (10011407)
        463745.31   3809707.61        8.62686  (09011307)                463783.31
3809707.61        8.76363  (09031206)
        463821.31   3809707.61        9.15066  (09011120)                463859.31
3809707.61        9.34953  (09011120)
        463897.31   3809707.61        9.25104  (09011120)                463935.31
3809707.61        8.91489  (09011120)
        463973.31   3809707.61        8.62810  (10010907)                464011.31
3809707.61        8.97836  (10010907)
        464049.31   3809707.61        9.11357  (10010907)                464087.31
3809707.61        8.95094  (10010907)
        464125.31   3809707.61        8.84460  (10022820)                464163.31
3809707.61        9.19519  (10022820)
        464201.31   3809707.61        9.27896  (10022820)                464239.31
3809707.61        9.13815  (10022820)
        464277.31   3809707.61        8.86764  (09031705)                464315.31
3809707.61        8.62549  (09040202)
        464353.31   3809707.61        8.52903  (09040202)                464391.31
3809707.61        8.27673  (09040202)
        464429.31   3809707.61        7.90351  (09010420)                464467.31
3809707.61        7.79549  (09010420)
        464505.31   3809707.61        7.80307  (10011407)                463745.31
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3809736.67 8.32793 (09011307)
  463783.31 3809736.67 8.42374 (09031206) 463821.31
3809736.67 8.74558 (09011120)
  463859.31 3809736.67 8.96082 (09011120) 463897.31
3809736.67 8.90782 (09011120)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9 ***
INCLUDING SOURCE(S): L0006101 , L0006102 , L0006103 , L0006104 , L0006105 ,
  L0006106 , L0006107 , L0006108 , L0006109 , L0006110 , L0006111 , L0006112 , L0006113 ,
  L0006114 , L0006115 , L0006116 , L0006117 , L0006118 , L0006119 , L0006120 , L0006121 ,
  L0006122 , L0006123 , L0006124 , L0006125 , L0006126 , L0006127 , L0006128 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
463935.31	3809736.67	8.58066	(09011120)	463973.31	3809736.67	8.24299	(10010907)
464011.31	3809736.67	8.65963	(10010907)	464049.31	3809736.67	8.80506	(10010907)
464087.31	3809736.67	8.72485	(10010907)	464125.31	3809736.67	8.46536	(10022820)
464163.31	3809736.67	8.86006	(10022820)	464201.31	3809736.67	8.98651	(10022820)
464239.31	3809736.67	8.92259	(10022820)	464277.31	3809736.67	8.64238	(09031705)
464315.31	3809736.67	8.42610	(09031705)	464353.31	3809736.67	8.31047	(09040202)
464391.31	3809736.67	8.12515	(09040202)	464429.31	3809736.67	7.76428	(09040202)
464467.31	3809736.67	7.61399	(09010420)	464505.31	3809736.67	7.55031	(10011407)

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        463745.31   3809765.73        8.05555  (09011307)              463783.31
3809765.73        8.13723  (09031206)
        463821.31   3809765.73        8.41392  (09011120)              463859.31
3809765.73        8.60771  (09011120)
        463897.31   3809765.73        8.58391  (09011120)              463935.31
3809765.73        8.26789  (09011120)
        463973.31   3809765.73        7.81162  (09102505)              464011.31
3809765.73        8.31398  (10010907)
        464049.31   3809765.73        8.53669  (10010907)              464087.31
3809765.73        8.49073  (10010907)
        464125.31   3809765.73        8.23062  (10010907)              464163.31
3809765.73        8.53013  (10022820)
        464201.31   3809765.73        8.70653  (10022820)              464239.31
3809765.73        8.70340  (10022820)
        464277.31   3809765.73        8.47718  (10022820)              464315.31
3809765.73        8.25336  (09031705)
        464353.31   3809765.73        8.08858  (09040202)              464391.31
3809765.73        7.95166  (09040202)
        464429.31   3809765.73        7.67854  (09040202)              464467.31
3809765.73        7.42536  (09010420)
        464505.31   3809765.73        7.28865  (09010420)              463745.31
3809794.79        7.80136  (09011307)
        463783.31   3809794.79        7.85495  (09031206)              463821.31
3809794.79        8.10671  (09011120)
        463859.31   3809794.79        8.27247  (09011120)              463897.31
3809794.79        8.25109  (09011120)
        463935.31   3809794.79        7.96607  (09011120)              463973.31
3809794.79        7.53773  (09102505)
        464011.31   3809794.79        7.91882  (10010907)              464049.31
3809794.79        8.25889  (10010907)
        464087.31   3809794.79        8.26416  (10010907)              464125.31
3809794.79        8.04304  (10010907)
        464163.31   3809794.79        8.17862  (10022820)              464201.31
3809794.79        8.42505  (10022820)
        464239.31   3809794.79        8.45825  (10022820)              464277.31
3809794.79        8.29904  (10022820)
        464315.31   3809794.79        8.07580  (09031705)              464353.31
3809794.79        7.83417  (09040202)
        464391.31   3809794.79        7.77668  (09040202)              464429.31
3809794.79        7.57730  (09040202)
        464467.31   3809794.79        7.21916  (09040202)              464505.31
3809794.79        7.13492  (09010420)
        463745.31   3809823.85        7.56226  (09011307)              463783.31
3809823.85        7.59367  (09031206)
        463821.31   3809823.85        7.78635  (09011120)              463859.31
3809823.85        7.95660  (09011120)
        463897.31   3809823.85        7.92645  (09011120)              463935.31
3809823.85        7.67042  (09011120)
        463973.31   3809823.85        7.28164  (09102505)              464011.31
3809823.85        7.53477  (10010907)
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3809852.91        7.53523  (10010907)
        464087.31   3809852.91        7.69655  (10010907)                464125.31
3809852.91        7.62568  (10010907)
        464163.31   3809852.91        7.47428  (10022820)                464201.31
3809852.91        7.78318  (10022820)
        464239.31   3809852.91        7.93853  (10022820)                464277.31
3809852.91        7.90625  (10022820)
        464315.31   3809852.91        7.69181  (10022820)                464353.31
3809852.91        7.51885  (09031705)
        464391.31   3809852.91        7.37816  (09040202)                464429.31
3809852.91        7.28614  (09040202)
        464467.31   3809852.91        7.05082  (09040202)                464505.31
3809852.91        6.76489  (09010420)
        463745.31   3809881.97        7.16283  (09011307)                463783.31
3809881.97        7.17748  (09031206)
        463821.31   3809881.97        7.30041  (09011120)                463859.31
3809881.97        7.42360  (09011120)
        463897.31   3809881.97        7.36084  (09011120)                463935.31
3809881.97        7.13460  (09011120)
        463973.31   3809881.97        6.81059  (09102505)                464011.31
3809881.97        6.86619  (10010907)
        464049.31   3809881.97        7.20694  (10010907)                464087.31
3809881.97        7.37117  (10010907)
        464125.31   3809881.97        7.34502  (10010907)                464163.31
3809881.97        7.09538  (10010907)
        464201.31   3809881.97        7.43809  (10022820)                464239.31
3809881.97        7.62917  (10022820)
        464277.31   3809881.97        7.66687  (10022820)                464315.31
3809881.97        7.53783  (10022820)
        464353.31   3809881.97        7.35771  (09031705)                464391.31
3809881.97        7.16928  (09040202)
        464429.31   3809881.97        7.12684  (09040202)                464467.31
3809881.97        6.94321  (09040202)
        464505.31   3809881.97        6.66013  (09040202)                463745.31
3809911.03        6.96746  (09011307)
        463783.31   3809911.03        6.97040  (09031206)                463821.31
3809911.03        7.09753  (09011120)
        463859.31   3809911.03        7.20283  (09011120)                463897.31
3809911.03        7.14173  (09011120)
        463935.31   3809911.03        6.91817  (09011120)                463973.31
3809911.03        6.59661  (09102505)
        464011.31   3809911.03        6.56792  (10010907)                464049.31
3809911.03        6.91390  (10010907)
        464087.31   3809911.03        7.09161  (10010907)                464125.31
3809911.03        7.09108  (10010907)
        464163.31   3809911.03        6.90559  (10010907)                464201.31
3809911.03        7.12397  (10022820)
        464239.31   3809911.03        7.35168  (10022820)                464277.31
3809911.03        7.44337  (10022820)
        464315.31   3809911.03        7.36236  (10022820)                464353.31
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3809911.03   7.18585 (09031705)
        464391.31   3809911.03   7.02796 (09031705)   464429.31
3809911.03   6.95205 (09040202)
        464467.31   3809911.03   6.83522 (09040202)   464505.31
3809911.03   6.58836 (09040202)
        463745.31   3809940.09   6.77067 (09011307)   463783.31
3809940.09   6.77305 (09031206)
        463821.31   3809940.09   6.89789 (09011120)   463859.31
3809940.09   6.99648 (09011120)
        463897.31   3809940.09   6.94734 (09011120)   463935.31
3809940.09   6.74117 (09011120)
        463973.31   3809940.09   6.42103 (09011120)   464011.31
3809940.09   6.28117 (10010907)
        464049.31   3809940.09   6.61981 (10010907)   464087.31
3809940.09   6.81124 (10010907)
        464125.31   3809940.09   6.84563 (10010907)   464163.31
3809940.09   6.73121 (10010907)
        464201.31   3809940.09   6.83716 (10022820)   464239.31
3809940.09   7.10826 (10022820)
        464277.31   3809940.09   7.22611 (10022820)   464315.31
3809940.09   7.19649 (10022820)
        464353.31   3809940.09   7.01256 (10022820)   464391.31
3809940.09   6.89723 (09031705)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK9   ***
                                 INCLUDING SOURCE(S):   L0006101   , L0006102 , L0006103   , L0006104   , L0006105   ,
                 L0006106   , L0006107   , L0006108   , L0006109   , L0006110 , L0006111   , L0006112   , L0006113   ,
                 L0006114   , L0006115   , L0006116   , L0006117   , L0006118 , L0006119   , L0006120   , L0006121   ,
                 L0006122   , L0006123   , L0006124   , L0006125   , L0006126 , L0006127   , L0006128   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)

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        463859.31   3810027.27        6.49029  (09011120)               463897.31
3810027.27        6.45055  (09011120)
        463935.31   3810027.27        6.26430  (09011120)               463973.31
3810027.27        5.99298  (09011120)
        464011.31   3810027.27        5.67882  (09102505)               464049.31
3810027.27        5.91743  (10010907)
        464087.31   3810027.27        6.11342  (10010907)               464125.31
3810027.27        6.22029  (10010907)
        464163.31   3810027.27        6.21995  (10010907)               464201.31
3810027.27        6.08125  (10010907)
        464239.31   3810027.27        6.34265  (10022820)               464277.31
3810027.27        6.58642  (10022820)
        464315.31   3810027.27        6.68570  (10022820)               464353.31
3810027.27        6.63953  (10022820)
        464391.31   3810027.27        6.47464  (09031705)               464429.31
3810027.27        6.36997  (09031705)
        464467.31   3810027.27        6.25490  (09040202)               464505.31
3810027.27        6.18456  (09040202)
        463745.31   3810056.33        6.46485  (09011307)               463783.31
3810056.33        6.33953  (09031206)
        463821.31   3810056.33        6.30490  (09011120)               463859.31
3810056.33        6.36360  (09011120)
        463897.31   3810056.33        6.31267  (09011120)               463935.31
3810056.33        6.13644  (09011120)
        463973.31   3810056.33        5.87365  (09011120)               464011.31
3810056.33        5.56574  (09102505)
        464049.31   3810056.33        5.71694  (10010907)               464087.31
3810056.33        5.92080  (10010907)
        464125.31   3810056.33        6.02337  (10010907)               464163.31
3810056.33        6.04393  (10010907)
        464201.31   3810056.33        5.93721  (10010907)               464239.31
3810056.33        6.09293  (10022820)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 748
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK9   ***
                                  INCLUDING SOURCE(S):     L0006101    , L0006102
, L0006103    , L0006104    , L0006105    ,
                 L0006106    , L0006107    , L0006108    , L0006109    , L0006110
, L0006111    , L0006112    , L0006113    ,
                 L0006114    , L0006115    , L0006116    , L0006117    , L0006118
, L0006119    , L0006120    , L0006121    ,
                 L0006122    , L0006123    , L0006124    , L0006125    , L0006126
, L0006127    , L0006128    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464277.31	3810056.33	6.35025	(10022820)	464315.31	3810056.33	6.49111	(10022820)
464353.31	3810056.33	6.50395	(10022820)	464391.31	3810056.33	6.37141	(10022820)
464429.31	3810056.33	6.25845	(09031705)	464467.31	3810056.33	6.08343	(09040202)
464505.31	3810056.33	6.05697	(09040202)	463745.31	3810085.39	6.41773	(09011307)
463783.31	3810085.39	6.27486	(09031206)	463821.31	3810085.39	6.20842	(09011120)
463859.31	3810085.39	6.24493	(09011120)	463897.31	3810085.39	6.18724	(09011120)
463935.31	3810085.39	6.02218	(09011120)	463973.31	3810085.39	5.76279	(09011120)
464011.31	3810085.39	5.45357	(09102505)	464049.31	3810085.39	5.51731	(10010907)
464087.31	3810085.39	5.73076	(10010907)	464125.31	3810085.39	5.84551	(10010907)
464163.31	3810085.39	5.86943	(10010907)	464201.31	3810085.39	5.78591	(10010907)
464239.31	3810085.39	5.83565	(10022820)	464277.31	3810085.39	6.12078	(10022820)
464315.31	3810085.39	6.28988	(10022820)	464353.31	3810085.39	6.33566	(10022820)
464391.31	3810085.39	6.25213	(10022820)	464429.31	3810085.39	6.12176	(09031705)
464467.31	3810085.39	5.97316	(09031705)	464505.31	3810085.39	5.90882	(09040202)
463745.31	3810114.45	6.33374	(09011307)	463783.31	3810114.45	6.23302	(09031206)
463821.31	3810114.45	6.13500	(09011120)	463859.31	3810114.45	6.16746	(09011120)
463897.31	3810114.45	6.08572	(09011120)	463935.31	3810114.45	5.91786	(09011120)
463973.31	3810114.45	5.65507	(09011120)	464011.31	3810114.45	5.35110	(09102505)
464049.31	3810114.45	5.34072	(10010907)	464087.31	3810114.45	5.55049	(10010907)
464125.31	3810114.45	5.66506	(10010907)	464163.31			

3810114.45   5.69249 (10010907)
        464201.31   3810114.45   5.62745 (10010907)   464239.31
3810114.45   5.58567 (10022820)
        464277.31   3810114.45   5.89452 (10022820)   464315.31
3810114.45   6.07281 (10022820)
        464353.31   3810114.45   6.13555 (10022820)   464391.31
3810114.45   6.08028 (10022820)
        464429.31   3810114.45   5.95928 (09031705)   464467.31
3810114.45   5.84628 (09031705)
        464505.31   3810114.45   5.75387 (09040202)   463745.31
3810143.51   6.20967 (09011307)
        463783.31   3810143.51   6.15154 (09031206)   463821.31
3810143.51   6.10173 (09011120)
        463859.31   3810143.51   6.11280 (09011120)   463897.31
3810143.51   5.98840 (09011120)
        463935.31   3810143.51   5.80568 (09011120)   463973.31
3810143.51   5.53716 (09011120)
        464011.31   3810143.51   5.25344 (09102505)   464049.31
3810143.51   5.17621 (10010907)
        464087.31   3810143.51   5.37056 (10010907)   464125.31
3810143.51   5.49392 (10010907)
        464163.31   3810143.51   5.53438 (10010907)   464201.31
3810143.51   5.48277 (10010907)
        464239.31   3810143.51   5.34909 (10010907)   464277.31
3810143.51   5.66650 (10022820)
        464315.31   3810143.51   5.86632 (10022820)   464353.31
3810143.51   5.93565 (10022820)
        464391.31   3810143.51   5.92178 (10022820)   464429.31
3810143.51   5.79744 (10022820)
        464467.31   3810143.51   5.72944 (09031705)   464505.31
3810143.51   5.59656 (09040202)
        464383.78   3807479.29   31.18729 (09011918)   464355.03
3807405.24   27.54656 (09011918)
        464402.07   3807352.10   27.28342 (09011918)   464367.23
3807296.35   27.67761 (10112518)
        464358.52   3807237.99   27.78575 (10112518)   464385.52
3807161.33   26.01170 (10112518)
        463132.27   3810926.37   3.62414 (10011006)   463237.82
3811199.31   2.92562 (09040203)
        464944.35   3809244.89   8.30354 (10031906)   465700.32
3809255.46   4.92680 (10021420)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCK9   ***
                                INCLUDING SOURCE(S):   L0006101   , L0006102
, L0006103   , L0006104   , L0006105   ,
                L0006106   , L0006107   , L0006108   , L0006109   , L0006110
, L0006111   , L0006112   , L0006113   ,
                L0006114   , L0006115   , L0006116   , L0006117   , L0006118
, L0006119   , L0006120   , L0006121   ,
                L0006122   , L0006123   , L0006124   , L0006125   , L0006126
, L0006127   , L0006128   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465716.18   3808536.49   3.92549 (10032206)   465544.37
3808533.85   4.52222 (09031319)
        465420.13   3808486.27   5.20576 (10032206)   465348.77
3808491.56   5.48077 (10032206)
        465317.05   3808443.98   5.86000 (10032206)   465327.62
3808406.97   5.90256 (10032206)
        465108.23   3808369.97   7.33516 (10032206)   464999.86
3808301.24   7.78619 (09010519)
        464722.31   3807973.48   12.06448 (10020118)   464717.03
3807836.03   11.96040 (10020118)
        464344.33   3807936.47   22.30978 (09030119)   464349.61
3807780.52   13.05621 (09011918)
        464386.62   3807785.81   11.12636 (09011918)   464521.43
3807859.82   12.41054 (09031219)
        464537.28   3807719.72   12.76392 (09030119)   464426.27
3807613.99   23.66559 (09011918)
        464368.43   3807532.62   30.66028 (09011918)   464324.60
3807121.91   22.15841 (10112518)
        464123.31   3807123.54   26.00011 (09123118)   463930.13
3806909.26   22.53597 (09111519)
        463831.11   3806906.01   24.31897 (09111519)   463821.36
3806720.95   19.69841 (09111519)
        463727.21   3806727.44   12.00933 (09120318)   463598.97
3806334.59   9.51836 (10102005)
        463001.06   3806361.54   9.96291 (09111517)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
462160.55	3809377.75	31.03403	(10021620)	462051.48	3809270.62	27.41709	(09022407)
462014.47	3809029.10	28.37035	(10042219)	462010.58	3808855.75	28.23723	(10042219)
461936.56	3808886.92	27.37441	(10042219)	461936.56	3808997.94	29.28339	(10042219)
461909.30	3808768.10	25.05027	(10042219)	461835.28	3808894.71	25.28275	(10042219)
461845.02	3808995.99	27.61999	(10042219)	461833.33	3809114.80	25.75568	(10042219)
461843.07	3809210.24	24.39904	(09022407)	461809.96	3809297.89	25.41748	(10021620)
461856.71	3809385.54	24.69884	(10021620)	461841.13	3809482.92	23.76134	(09022407)
462004.74	3809379.69	27.72838	(10021620)	461763.22	3808793.43	22.39225	(10042219)
461753.48	3808699.93	22.05244	(09021520)	461835.28	3808686.30	23.15892	(09021520)
461823.60	3808579.17	31.41572	(09021520)	461761.27	3808585.02	29.82381	(09021520)
462301.19	3807807.15	79.39362	(10021207)	462304.78	3807868.16	57.97158	(10021207)
462216.84	3807882.52	48.95160	(09020119)	462116.34	3807886.11	50.44395	(09020119)
462114.55	3807789.20	45.51327	(10021207)	462012.25			

3807887.90 50.61030 (09020119)
462008.66 3807975.84 56.03611 (09020119) 461917.14
3807972.25 52.91658 (09020119)
461922.52 3808187.60 88.94616 (10021620) 461908.17
3808288.10 83.49509 (10021620)
461848.94 3808377.83 58.25545 (10021620) 461831.00
3808494.48 40.73486 (09021520)
462421.43 3808393.98 89.79296 (10021620) 462459.11
3808501.66 57.48403 (09021520)
462437.58 3808580.62 44.74996 (09021520) 462654.73
3809189.00 41.30843 (09022407)
462559.49 3809194.32 38.81816 (09022407) 465763.86
3807935.19 16.01210 (09010519)
465819.84 3807935.19 15.65049 (09010519) 465875.82
3807935.19 15.29950 (09010519)
465931.80 3807935.19 14.95654 (09010519) 465987.78
3807935.19 14.62539 (09010519)
466043.76 3807935.19 14.30055 (09010519) 466099.74
3807935.19 13.98999 (09010519)
466155.72 3807935.19 13.68249 (09010519) 466211.70
3807935.19 13.39138 (09010519)
466267.68 3807935.19 13.10399 (09010519) 466323.66
3807935.19 12.83036 (09010519)
466379.64 3807935.19 12.56330 (09010519) 466435.62
3807935.19 12.30088 (09010519)
466491.60 3807935.19 12.04130 (09010519) 466547.58
3807935.19 11.77359 (09010519)
466603.56 3807935.19 11.52812 (09010519) 466659.54
3807935.19 11.28273 (09010519)
466715.52 3807935.19 11.05414 (09010519) 466771.50
3807935.19 10.82951 (09010519)
466827.48 3807935.19 10.59878 (09010519) 466883.46
3807935.19 10.37296 (09010519)
465763.86 3808001.41 17.17383 (09010519) 465819.84
3808001.41 16.71735 (09010519)
465875.82 3808001.41 16.27585 (09010519) 465931.80
3808001.41 15.85518 (09010519)
465987.78 3808001.41 15.45148 (09010519) 466043.76
3808001.41 15.06181 (09010519)
466099.74 3808001.41 14.68779 (09010519) 466155.72
3808001.41 14.33265 (09010519)
466211.70 3808001.41 13.98363 (09010519) 466267.68
3808001.41 13.64463 (09010519)
466323.66 3808001.41 13.32971 (09010519) 466379.64
3808001.41 13.01831 (09010519)
466435.62 3808001.41 12.71114 (09010519) 466491.60
3808001.41 12.41735 (09010519)
466547.58 3808001.41 12.12248 (09010519) 466603.56
3808001.41 11.85097 (09010519)
466659.54 3808001.41 11.58870 (09010519) 466715.52

3808001.41   11.32499 (09010519)
        466771.50   3808001.41   11.07424 (09010519)   466827.48
3808001.41   10.82854 (09010519)
        466883.46   3808001.41   10.57834 (09010519)   465763.86
3808067.63   18.11156 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
        466715.52   3808067.63       11.49244  (09010519)               466771.50
3808067.63       11.22454  (09010519)
        466827.48   3808067.63       10.95635  (09010519)               466883.46
3808067.63       10.68953  (09010519)
        465763.86   3808133.85       18.75982  (09010519)               465819.84
3808133.85       18.13953  (09010519)
        465875.82   3808133.85       17.55220  (09010519)               465931.80
3808133.85       17.00608  (09010519)
        465987.78   3808133.85       16.48783  (09010519)               466043.76
3808133.85       15.99376  (09010519)
        466099.74   3808133.85       15.51432  (09010519)               466155.72
3808133.85       15.06972  (09010519)
        466211.70   3808133.85       14.63807  (09010519)               466267.68
3808133.85       14.21752  (09010519)
        466323.66   3808133.85       13.82811  (09010519)               466379.64
3808133.85       13.45760  (09010519)
        466435.62   3808133.85       13.10017  (09010519)               466491.60
3808133.85       12.75742  (09010519)
        466547.58   3808133.85       12.43428  (09010519)               466603.56
3808133.85       12.12737  (09010519)
        466659.54   3808133.85       11.83412  (09010519)               466715.52
3808133.85       11.54523  (09010519)
        466771.50   3808133.85       11.24972  (09010519)               466827.48
3808133.85       10.98543  (10032206)
        466883.46   3808133.85       10.73850  (10032206)               465763.86
3808200.07       19.07496  (09010519)
        465819.84   3808200.07       18.40352  (09010519)               465875.82
3808200.07       17.77119  (09010519)
        465931.80   3808200.07       17.19487  (10032206)               465987.78
3808200.07       16.68696  (10032206)
        466043.76   3808200.07       16.19961  (10032206)               466099.74
3808200.07       15.74341  (10032206)
        466155.72   3808200.07       15.31718  (10032206)               466211.70
3808200.07       14.91106  (10032206)
        466267.68   3808200.07       14.49534  (10032206)               466323.66
3808200.07       14.12033  (10032206)
        466379.64   3808200.07       13.74471  (10032206)               466435.62
3808200.07       13.38401  (10032206)
        466491.60   3808200.07       13.04718  (10032206)               466547.58
3808200.07       12.72418  (10032206)
        466603.56   3808200.07       12.41761  (10032206)               466659.54
3808200.07       12.11468  (10032206)
        466715.52   3808200.07       11.82276  (10032206)               466771.50
3808200.07       11.53712  (10032206)
        466827.48   3808200.07       11.25426  (10032206)               466883.46
3808200.07       10.98983  (10032206)
        465763.86   3808266.29       19.67042  (10032206)               465819.84
3808266.29       18.99772  (10032206)
        465875.82   3808266.29       18.36344  (10032206)               465931.80
3808266.29       17.77049  (10032206)
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3808332.51 17.39119 (10032206)
466043.76 3808332.51 16.84278 (10032206) 466099.74
3808332.51 16.32466 (10032206)
466155.72 3808332.51 15.81985 (10032206) 466211.70
3808332.51 15.34446 (10032206)
466267.68 3808332.51 14.88978 (10032206) 466323.66
3808332.51 14.47323 (10032206)
466379.64 3808332.51 14.06064 (10032206) 466435.62
3808332.51 13.67550 (10032206)
466491.60 3808332.51 13.31298 (10032206) 466547.58
3808332.51 12.96502 (10032206)
466603.56 3808332.51 12.64348 (10032206) 466659.54
3808332.51 12.31968 (10032206)
466715.52 3808332.51 12.00300 (10032206) 466771.50
3808332.51 11.68061 (10032206)
466827.48 3808332.51 11.39130 (10032206) 466883.46
3808332.51 11.11359 (10032206)
465763.86 3808398.73 19.79557 (10032206) 465819.84
3808398.73 19.09328 (10032206)
465875.82 3808398.73 18.41821 (10032206) 465931.80
3808398.73 17.80042 (10032206)
465987.78 3808398.73 17.21674 (10032206) 466043.76
3808398.73 16.66144 (10032206)
466099.74 3808398.73 16.14817 (10032206) 466155.72
3808398.73 15.64136 (10032206)
466211.70 3808398.73 15.16028 (10032206) 466267.68
3808398.73 14.72589 (10032206)
466323.66 3808398.73 14.30575 (10032206) 466379.64
3808398.73 13.90604 (10032206)
466435.62 3808398.73 13.52900 (10032206) 466491.60
3808398.73 13.17384 (10032206)
466547.58 3808398.73 12.82491 (10032206) 466603.56
3808398.73 12.49300 (10032206)
466659.54 3808398.73 12.16756 (10032206) 466715.52
3808398.73 11.85221 (10032206)
466771.50 3808398.73 11.55347 (10032206) 466827.48
3808398.73 11.26389 (10032206)
466883.46 3808398.73 10.98902 (10032206) 465763.86
3808464.95 19.17029 (10032206)
465819.84 3808464.95 18.50167 (10032206) 465875.82
3808464.95 17.86711 (10032206)
465931.80 3808464.95 17.26373 (10032206) 465987.78
3808464.95 16.69613 (10032206)
466043.76 3808464.95 16.17838 (10032206) 466099.74
3808464.95 15.66914 (10032206)
466155.72 3808464.95 15.18620 (10032206) 466211.70
3808464.95 14.74256 (10032206)
466267.68 3808464.95 14.32452 (10032206) 466323.66
3808464.95 13.92518 (10032206)
466379.64 3808464.95 13.54770 (10032206) 466435.62

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3808464.95       13.18990  (10032206)
        466491.60   3808464.95       12.84949  (10032206)                466547.58
3808464.95       12.51263  (10032206)
        466603.56   3808464.95       12.18353  (10032206)                466659.54
3808464.95       11.87005  (10032206)
        466715.52   3808464.95       11.57250  (10032206)                466771.50
3808464.95       11.28692  (10032206)
        466827.48   3808464.95       11.01394  (10032206)                466883.46
3808464.95       10.75334  (10032206)
        465763.86   3808531.17       19.26158  (09031319)                465819.84
3808531.17       18.45792  (09031319)
        465875.82   3808531.17       17.71053  (09031319)                465931.80
3808531.17       16.99939  (09031319)
        465987.78   3808531.17       16.33240  (09031319)                466043.76
3808531.17       15.70565  (09031319)
        466099.74   3808531.17       15.11227  (09031319)                466155.72
3808531.17       14.55842  (09031319)
        466211.70   3808531.17       14.11785  (10032206)                466267.68
3808531.17       13.73572  (10032206)
        466323.66   3808531.17       13.37820  (10032206)                466379.64
3808531.17       13.02290  (10032206)
        466435.62   3808531.17       12.69429  (10032206)                466491.60
3808531.17       12.36622  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 753
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
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        466883.46   3808663.61       10.85481  (09031319)               465763.86
3808729.83       21.53241  (09010419)
        465819.84   3808729.83       20.70778  (09031319)               465875.82
3808729.83       20.00749  (09031319)
        465931.80   3808729.83       19.32196  (09031319)               465987.78
3808729.83       18.67695  (09031319)
        466043.76   3808729.83       18.05650  (09031319)               466099.74
3808729.83       17.46961  (09031319)
        466155.72   3808729.83       16.89579  (09031319)               466211.70
3808729.83       16.34006  (09031319)
        466267.68   3808729.83       15.80720  (09031319)               466323.66
3808729.83       15.33244  (09031319)
        466379.64   3808729.83       14.85740  (09031319)               466435.62
3808729.83       14.39317  (09031319)
        466491.60   3808729.83       13.96376  (09031319)               466547.58
3808729.83       13.53132  (09031319)
        466603.56   3808729.83       13.11812  (09031319)               466659.54
3808729.83       12.75495  (09031319)
        466715.52   3808729.83       12.37496  (09031319)               466771.50
3808729.83       12.01387  (09031319)
        466827.48   3808729.83       11.67660  (09031319)               466883.46
3808729.83       11.34517  (09031319)
        465763.86   3808796.05       22.82077  (09010419)               465819.84
3808796.05       21.89507  (09010419)
        465875.82   3808796.05       20.90701  (09010419)               465931.80
3808796.05       19.99407  (09010419)
        465987.78   3808796.05       19.13339  (09010419)               466043.76
3808796.05       18.31898  (09010419)
        466099.74   3808796.05       17.54542  (09010419)               466155.72
3808796.05       16.80267  (09031319)
        466211.70   3808796.05       16.30836  (09031319)               466267.68
3808796.05       15.82590  (09031319)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 754
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466323.66	3808796.05	15.37325	(09031319)	466379.64	3808796.05	14.93160	(09031319)
466435.62	3808796.05	14.52201	(09031319)	466491.60	3808796.05	14.10280	(09031319)
466547.58	3808796.05	13.70328	(09031319)	466603.56	3808796.05	13.33730	(09031319)
466659.54	3808796.05	12.96503	(09031319)	466715.52	3808796.05	12.61532	(09031319)
466771.50	3808796.05	12.27373	(09031319)	466827.48	3808796.05	11.94125	(09031319)
466883.46	3808796.05	11.63718	(09031319)	465763.86	3808862.27	23.20068	(09010419)
465819.84	3808862.27	22.39458	(09010419)	465875.82	3808862.27	21.58886	(09010419)
465931.80	3808862.27	20.75722	(09010419)	465987.78	3808862.27	19.96930	(09010419)
466043.76	3808862.27	19.20907	(09010419)	466099.74	3808862.27	18.47773	(09010419)
466155.72	3808862.27	17.73387	(09010419)	466211.70	3808862.27	17.03646	(09010419)
466267.68	3808862.27	16.39531	(09010419)	466323.66	3808862.27	15.75544	(09010419)
466379.64	3808862.27	15.15533	(09010419)	466435.62	3808862.27	14.57675	(09010419)
466491.60	3808862.27	14.02470	(09010419)	466547.58	3808862.27	13.58972	(09031319)
466603.56	3808862.27	13.24374	(09031319)	466659.54	3808862.27	12.92854	(09031319)
466715.52	3808862.27	12.60289	(09031319)	466771.50	3808862.27	12.29245	(09031319)
466827.48	3808862.27	11.99820	(09031319)	466883.46	3808862.27	11.71010	(09031319)
465763.86	3808928.49	22.63621	(09010419)	465819.84	3808928.49	22.02086	(09010419)
465875.82	3808928.49	21.42410	(09010419)	465931.80	3808928.49	20.79054	(09010419)
465987.78	3808928.49	20.15118	(09010419)	466043.76	3808928.49	19.52308	(09010419)
466099.74	3808928.49	18.84193	(09010419)	466155.72			

3808928.49 18.19622 (09010419)
  466211.70 3808928.49 17.57118 (09010419) 466267.68
3808928.49 16.95738 (09010419)
  466323.66 3808928.49 16.35998 (09010419) 466379.64
3808928.49 15.78322 (09010419)
  466435.62 3808928.49 15.24992 (09010419) 466491.60
3808928.49 14.72844 (09010419)
  466547.58 3808928.49 14.21641 (09010419) 466603.56
3808928.49 13.74568 (09010419)
  466659.54 3808928.49 13.26598 (09010419) 466715.52
3808928.49 12.81518 (09010419)
  466771.50 3808928.49 12.37181 (09010419) 466827.48
3808928.49 11.96140 (09010419)
  466883.46 3808928.49 11.57354 (09031319) 465763.86
3808994.71 22.69209 (09120320)
  465819.84 3808994.71 21.89227 (09120320) 465875.82
3808994.71 21.16230 (09120320)
  465931.80 3808994.71 20.48333 (09120320) 465987.78
3808994.71 19.80928 (09120320)
  466043.76 3808994.71 19.18326 (09010419) 466099.74
3808994.71 18.64673 (09010419)
  466155.72 3808994.71 18.09851 (09010419) 466211.70
3808994.71 17.57613 (09010419)
  466267.68 3808994.71 17.05562 (09010419) 466323.66
3808994.71 16.54407 (09010419)
  466379.64 3808994.71 16.04162 (09010419) 466435.62
3808994.71 15.55029 (09010419)
  466491.60 3808994.71 15.08802 (09010419) 466547.58
3808994.71 14.64766 (09010419)
  466603.56 3808994.71 14.19544 (09010419) 466659.54
3808994.71 13.74753 (09010419)
  466715.52 3808994.71 13.34825 (09010419) 466771.50
3808994.71 12.92298 (09010419)
  466827.48 3808994.71 12.51188 (09010419) 466883.46
3808994.71 12.13293 (09010419)
  465763.86 3809060.93 22.03805 (09120320) 465819.84
3809060.93 21.44992 (09120320)
  465875.82 3809060.93 20.89507 (09120320) 465931.80
3809060.93 20.33480 (09120320)
  465987.78 3809060.93 19.76352 (09120320) 466043.76
3809060.93 19.18128 (09120320)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        466099.74   3809060.93   18.52020 (09120320)   466155.72
3809060.93   17.90257 (09120320)
        466211.70   3809060.93   17.27631 (09120320)   466267.68
3809060.93   16.68505 (09010419)
        466323.66   3809060.93   16.27920 (09010419)   466379.64
3809060.93   15.87186 (09010419)
        466435.62   3809060.93   15.49211 (09010419)   466491.60
3809060.93   15.10595 (09010419)
        466547.58   3809060.93   14.70399 (09010419)   466603.56
3809060.93   14.31907 (09010419)
        466659.54   3809060.93   13.95884 (09010419)   466715.52
3809060.93   13.56973 (09010419)
        466771.50   3809060.93   13.19213 (09010419)   466827.48
3809060.93   12.83069 (09010419)
        466883.46   3809060.93   12.48191 (09010419)   465763.86
3809127.15   21.69483 (10021420)
        465819.84   3809127.15   20.55151 (10021420)   465875.82
3809127.15   20.08157 (09120320)
        465931.80   3809127.15   19.66628 (09120320)   465987.78
3809127.15   19.23131 (09120320)
        466043.76   3809127.15   18.71331 (09120320)   466099.74
3809127.15   18.18490 (09120320)
        466155.72   3809127.15   17.68332 (09120320)   466211.70
3809127.15   17.25734 (09120320)
        466267.68   3809127.15   16.78397 (09120320)   466323.66
3809127.15   16.29170 (09120320)
        466379.64   3809127.15   15.78406 (09120320)   466435.62
3809127.15   15.29700 (09120320)
        466491.60   3809127.15   14.81656 (09120320)   466547.58
3809127.15   14.44776 (09010419)

```
        466603.56   3809127.15       14.14687  (09010419)              466659.54
3809127.15       13.82362  (09010419)
        466715.52   3809127.15       13.51229  (09010419)              466771.50
3809127.15       13.19848  (09010419)
        466827.48   3809127.15       12.88074  (09010419)              466883.46
3809127.15       12.58302  (09010419)
        465763.86   3809193.37       22.37151  (10021420)              465819.84
3809193.37       21.44043  (10021420)
        465875.82   3809193.37       20.46725  (10021420)              465931.80
3809193.37       19.48488  (10021420)
        465987.78   3809193.37       18.45792  (10021420)              466043.76
3809193.37       17.72559  (09120320)
        466099.74   3809193.37       17.42933  (09120320)              466155.72
3809193.37       17.08205  (09120320)
        466211.70   3809193.37       16.76765  (09120320)              466267.68
3809193.37       16.43655  (09120320)
        466323.66   3809193.37       16.07377  (09120320)              466379.64
3809193.37       15.69493  (09120320)
        466435.62   3809193.37       15.28752  (09120320)              466491.60
3809193.37       14.88816  (09120320)
        466547.58   3809193.37       14.48855  (09120320)              466603.56
3809193.37       14.10230  (09120320)
        466659.54   3809193.37       13.69425  (09120320)              466715.52
3809193.37       13.30850  (09120320)
        466771.50   3809193.37       12.94535  (09010419)              466827.48
3809193.37       12.70053  (09010419)
        466883.46   3809193.37       12.44659  (09010419)              465763.86
3809259.59       22.31266  (10021420)
        465819.84   3809259.59       21.59629  (10021420)              465875.82
3809259.59       20.80151  (10021420)
        465931.80   3809259.59       19.98518  (10021420)              465987.78
3809259.59       19.08198  (10021420)
        466043.76   3809259.59       18.17896  (10021420)              466099.74
3809259.59       17.31541  (10021420)
        466155.72   3809259.59       16.55959  (10021420)              466211.70
3809259.59       15.98317  (09120320)
        466267.68   3809259.59       15.77612  (09120320)              466323.66
3809259.59       15.49962  (09120320)
        466379.64   3809259.59       15.22711  (09120320)              466435.62
3809259.59       14.94398  (09120320)
        466491.60   3809259.59       14.63126  (09120320)              466547.58
3809259.59       14.33455  (09120320)
        466603.56   3809259.59       14.00925  (09120320)              466659.54
3809259.59       13.68051  (09120320)
        466715.52   3809259.59       13.37078  (09120320)              466771.50
3809259.59       13.02993  (09120320)
        466827.48   3809259.59       12.70044  (09120320)              466883.46
3809259.59       12.36765  (09120320)
        464503.41   3807141.91       75.68591  (09120417)              464523.41
3807141.91       75.21992  (09120417)
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

3807161.91 75.90770 (09120417)
464543.41 3807161.91 74.98761 (09120417) 464563.41
3807161.91 73.68720 (09120417)
464583.41 3807161.91 72.65130 (09011918) 464603.41
3807161.91 73.26887 (09011918)
464623.41 3807161.91 73.58737 (09011918) 464643.41
3807161.91 73.93515 (09011918)
464663.41 3807161.91 73.60581 (09011918) 464683.41
3807161.91 72.77511 (09011918)
464703.41 3807161.91 72.08659 (09011918) 464723.41
3807161.91 71.42262 (09011918)
464743.41 3807161.91 70.04189 (09011918) 464763.41
3807161.91 67.65584 (09011918)
464783.41 3807161.91 65.53874 (09011918) 464803.41
3807161.91 63.37011 (09011918)
464823.41 3807161.91 60.90041 (09011918) 464843.41
3807161.91 58.27280 (09011918)
464863.41 3807161.91 55.39864 (09011918) 464883.41
3807161.91 52.00550 (09011918)
464903.41 3807161.91 48.91721 (09011918) 464923.41
3807161.91 45.89802 (09011918)
464503.41 3807181.91 77.20214 (09120417) 464523.41
3807181.91 76.46899 (09120417)
464543.41 3807181.91 75.27539 (09120417) 464563.41
3807181.91 73.63866 (09120417)
464583.41 3807181.91 74.11479 (09011918) 464603.41
3807181.91 74.62514 (09011918)
464623.41 3807181.91 74.73185 (09011918) 464643.41
3807181.91 74.99562 (09011918)
464663.41 3807181.91 74.42376 (09011918) 464683.41
3807181.91 73.56329 (09011918)
464703.41 3807181.91 72.80919 (09011918) 464723.41
3807181.91 71.34606 (09011918)
464743.41 3807181.91 69.38803 (09011918) 464763.41
3807181.91 67.14576 (09011918)
464783.41 3807181.91 64.92478 (09011918) 464803.41
3807181.91 62.53757 (09011918)
464823.41 3807181.91 59.55228 (09011918) 464843.41
3807181.91 56.71204 (09011918)
464863.41 3807181.91 53.80835 (09011918) 464883.41
3807181.91 50.58827 (09011918)
464903.41 3807181.91 47.36598 (09011918) 464923.41
3807181.91 44.25052 (09011918)
464503.41 3807201.91 77.77568 (09120417) 464523.41
3807201.91 76.96047 (09120417)
464543.41 3807201.91 75.48696 (09120417) 464563.41
3807201.91 74.50359 (09011918)
464583.41 3807201.91 75.45673 (09011918) 464603.41
3807201.91 75.89285 (09011918)
464623.41 3807201.91 75.89906 (09011918) 464643.41

3807201.91   75.83687 (09011918)
        464663.41   3807201.91   75.08430 (09011918)   464683.41
3807201.91   74.14797 (09011918)
        464703.41   3807201.91   72.96909 (09011918)   464723.41
3807201.91   71.01155 (09011918)
        464743.41   3807201.91   68.59514 (09011918)   464763.41
3807201.91   66.65899 (09011918)
        464783.41   3807201.91   64.27150 (09011918)   464803.41
3807201.91   61.50137 (09011918)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        464823.41   3807201.91   58.14179 (09011918)   464843.41
3807201.91   54.94889 (09011918)
        464863.41   3807201.91   51.96002 (09011918)   464883.41
3807201.91   49.02526 (09011918)
        464903.41   3807201.91   45.79977 (09011918)   464923.41
3807201.91   42.56366 (09011918)
        464503.41   3807221.91   78.44688 (09120417)   464523.41
3807221.91   77.40421 (09120417)
        464543.41   3807221.91   75.70405 (09120417)   464563.41
3807221.91   76.04676 (09011918)
        464583.41   3807221.91   76.51204 (09011918)   464603.41
3807221.91   76.85804 (09011918)

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        464623.41   3807221.91       76.92851  (09011918)                464643.41
3807221.91       76.13335  (09011918)
        464663.41   3807221.91       75.30488  (09011918)                464683.41
3807221.91       74.52245  (09011918)
        464703.41   3807221.91       72.41890  (09011918)                464723.41
3807221.91       70.45508  (09011918)
        464743.41   3807221.91       68.41220  (09011918)                464763.41
3807221.91       66.22138  (09011918)
        464783.41   3807221.91       63.20006  (09011918)                464803.41
3807221.91       59.87395  (09011918)
        464823.41   3807221.91       56.92964  (09011918)                464843.41
3807221.91       53.48627  (09011918)
        464863.41   3807221.91       50.04489  (09011918)                464883.41
3807221.91       47.15046  (09011918)
        464903.41   3807221.91       44.14840  (09011918)                464923.41
3807221.91       41.14230  (09011918)
        464503.41   3807241.91       79.00767  (09120417)                464523.41
3807241.91       77.57553  (09120417)
        464543.41   3807241.91       76.75770  (09011918)                464563.41
3807241.91       77.59990  (09011918)
        464583.41   3807241.91       77.82845  (09011918)                464603.41
3807241.91       78.02698  (09011918)
        464623.41   3807241.91       77.94286  (09011918)                464643.41
3807241.91       76.81311  (09011918)
        464663.41   3807241.91       75.77646  (09011918)                464683.41
3807241.91       74.15626  (09011918)
        464703.41   3807241.91       72.18590  (09011918)                464723.41
3807241.91       70.18109  (09011918)
        464743.41   3807241.91       67.97514  (09011918)                464763.41
3807241.91       65.03887  (09011918)
        464783.41   3807241.91       61.92917  (09011918)                464803.41
3807241.91       58.59514  (09011918)
        464823.41   3807241.91       55.23009  (09011918)                464843.41
3807241.91       51.88664  (09011918)
        464863.41   3807241.91       48.54488  (09011918)                464883.41
3807241.91       45.61037  (09011918)
        464903.41   3807241.91       42.52918  (09011918)                464923.41
3807241.91       39.50643  (09011918)
        464503.41   3807261.91       79.48074  (09120417)                464523.41
3807261.91       77.65067  (09120417)
        464543.41   3807261.91       78.27353  (09011918)                464563.41
3807261.91       79.11775  (09011918)
        464583.41   3807261.91       79.17195  (09011918)                464603.41
3807261.91       79.08150  (09011918)
        464623.41   3807261.91       78.67690  (09011918)                464643.41
3807261.91       77.45261  (09011918)
        464663.41   3807261.91       75.93826  (09011918)                464683.41
3807261.91       73.60618  (09011918)
        464703.41   3807261.91       71.96204  (09011918)                464723.41
3807261.91       69.78045  (09011918)
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        464743.41   3807261.91       67.12401  (09011918)               464763.41
3807261.91       63.72514  (09011918)
        464783.41   3807261.91       60.44227  (09011918)               464803.41
3807261.91       57.24334  (09011918)
        464823.41   3807261.91       53.56179  (09011918)               464843.41
3807261.91       50.10958  (09011918)
        464863.41   3807261.91       47.04304  (09011918)               464883.41
3807261.91       44.07504  (09011918)
        464903.41   3807261.91       40.87657  (09011918)               464923.41
3807261.91       37.55883  (09011918)
        464503.41   3807281.91       79.87202  (09120417)               464523.41
3807281.91       78.94383  (09011918)
        464543.41   3807281.91       79.89885  (09011918)               464563.41
3807281.91       80.58173  (09011918)
        464583.41   3807281.91       80.44164  (09011918)               464603.41
3807281.91       79.81299  (09011918)
        464623.41   3807281.91       78.78814  (09011918)               464643.41
3807281.91       77.82398  (09011918)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                   L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                   L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                   L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464663.41   3807281.91       76.27741  (09011918)               464683.41
3807281.91       73.75115  (09011918)
        464703.41   3807281.91       71.81997  (09011918)               464723.41
```

3807281.91 68.90782 (09011918)
464743.41 3807281.91 65.57930 (09011918) 464763.41
3807281.91 62.62678 (09011918)
464783.41 3807281.91 59.01869 (09011918) 464803.41
3807281.91 55.31315 (09011918)
464823.41 3807281.91 52.05600 (09011918) 464843.41
3807281.91 48.49655 (09011918)
464863.41 3807281.91 45.04784 (09011918) 464883.41
3807281.91 42.19062 (09011918)
464903.41 3807281.91 38.75914 (09011918) 464923.41
3807281.91 35.90249 (09011918)
464503.41 3807301.91 79.97356 (09120417) 464523.41
3807301.91 80.61449 (09011918)
464543.41 3807301.91 81.33025 (09011918) 464563.41
3807301.91 81.63362 (09011918)
464583.41 3807301.91 81.51427 (09011918) 464603.41
3807301.91 80.69132 (09011918)
464623.41 3807301.91 79.71651 (09011918) 464643.41
3807301.91 78.61009 (09011918)
464663.41 3807301.91 76.45597 (09011918) 464683.41
3807301.91 73.72387 (09011918)
464703.41 3807301.91 71.49846 (09011918) 464723.41
3807301.91 68.25235 (09011918)
464743.41 3807301.91 64.41152 (09011918) 464763.41
3807301.91 60.93281 (09011918)
464783.41 3807301.91 57.40974 (09011918) 464803.41
3807301.91 53.82233 (09011918)
464823.41 3807301.91 50.69275 (09011918) 464843.41
3807301.91 47.10299 (09011918)
464863.41 3807301.91 43.11279 (09011918) 464883.41
3807301.91 40.05605 (09011918)
464903.41 3807301.91 37.20144 (09011918) 464923.41
3807301.91 34.13594 (09011918)
464503.41 3807321.91 81.16419 (09011918) 464523.41
3807321.91 82.25293 (09011918)
464543.41 3807321.91 82.70081 (09011918) 464563.41
3807321.91 82.58729 (09011918)
464583.41 3807321.91 82.50804 (09011918) 464603.41
3807321.91 81.51614 (09011918)
464623.41 3807321.91 80.29819 (09011918) 464643.41
3807321.91 78.89253 (09011918)
464663.41 3807321.91 76.46187 (09011918) 464683.41
3807321.91 73.48226 (09011918)
464703.41 3807321.91 70.76895 (09011918) 464723.41
3807321.91 67.35555 (09011918)
464743.41 3807321.91 63.45817 (09011918) 464763.41
3807321.91 59.32205 (09011918)
464783.41 3807321.91 55.72199 (09011918) 464803.41
3807321.91 52.51796 (09011918)
464823.41 3807321.91 49.12405 (09011918) 464843.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464503.41	3807361.91	84.71089	(09011918)	464523.41	3807361.91	85.22440	(09011918)
464543.41	3807361.91	85.28032	(09011918)	464563.41	3807361.91	84.91573	(09011918)
464583.41	3807361.91	84.29681	(09011918)	464603.41	3807361.91	82.73645	(09011918)
464623.41	3807361.91	80.90352	(09011918)	464643.41	3807361.91	78.42029	(09011918)
464663.41	3807361.91	75.54356	(09011918)	464683.41	3807361.91	72.35592	(09011918)
464703.41	3807361.91	68.34214	(09011918)	464723.41	3807361.91	64.36983	(09011918)
464743.41	3807361.91	60.55166	(09011918)	464763.41	3807361.91	56.71574	(09011918)
464783.41	3807361.91	52.77803	(09011918)	464803.41	3807361.91	48.96850	(09011918)
464823.41	3807361.91	44.64416	(09011918)	464843.41	3807361.91	41.32270	(09011918)
464863.41	3807361.91	37.79631	(09011918)	464883.41	3807361.91	35.25505	(09011918)
464903.41	3807361.91	32.69853	(09011918)	464923.41	3807361.91	31.71162	(09030119)
464503.41	3807381.91	86.29540	(09011918)	464523.41	3807381.91	86.41053	(09011918)
464543.41	3807381.91	86.31903	(09011918)	464563.41	3807381.91	85.87782	(09011918)
464583.41	3807381.91	84.82895	(09011918)	464603.41	3807381.91	82.98296	(09011918)
464623.41	3807381.91	80.90159	(09011918)	464643.41	3807381.91	77.68052	(09011918)
464663.41	3807381.91	74.64322	(09011918)	464683.41	3807381.91	71.32094	(09011918)
464703.41	3807381.91	67.28266	(09011918)	464723.41	3807381.91	62.92044	(09011918)
464743.41	3807381.91	58.51212	(09011918)	464763.41	3807381.91	54.86818	(09011918)
464783.41	3807381.91	50.94667	(09011918)	464803.41	3807381.91	46.56656	(09011918)
464823.41	3807381.91	42.80787	(09011918)	464843.41	3807381.91	39.15034	(09011918)
464863.41	3807381.91	36.49809	(09011918)	464883.41	3807381.91	33.91982	(09011918)
464903.41	3807381.91	32.55335	(09030119)	464923.41	3807381.91	30.08774	(09030119)

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        464503.41   3807401.91       87.50988  (09011918)               464523.41
3807401.91       87.69225  (09011918)
        464543.41   3807401.91       87.45809  (09011918)               464563.41
3807401.91       86.63776  (09011918)
        464583.41   3807401.91       84.79450  (09011918)               464603.41
3807401.91       82.76076  (09011918)
        464623.41   3807401.91       80.76420  (09011918)               464643.41
3807401.91       77.25396  (09011918)
        464663.41   3807401.91       73.52218  (09011918)               464683.41
3807401.91       69.53170  (09011918)
        464703.41   3807401.91       65.91551  (09011918)               464723.41
3807401.91       61.62591  (09011918)
        464743.41   3807401.91       57.02040  (09011918)               464763.41
3807401.91       52.74452  (09011918)
        464783.41   3807401.91       49.02504  (09011918)               464803.41
3807401.91       45.10715  (09011918)
        464823.41   3807401.91       41.41553  (09011918)               464843.41
3807401.91       37.82915  (09011918)
        464863.41   3807401.91       35.14494  (09011918)               464883.41
3807401.91       32.93653  (09030119)
        464903.41   3807401.91       32.08009  (09030119)               464923.41
3807401.91       31.13053  (09030119)
        464503.41   3807421.91       88.98246  (09011918)               464523.41
3807421.91       88.97650  (09011918)
        464543.41   3807421.91       88.23027  (09011918)               464563.41
3807421.91       86.82994  (09011918)
        464583.41   3807421.91       84.89241  (09011918)               464603.41
3807421.91       82.85310  (09011918)
        464623.41   3807421.91       79.85266  (09011918)               464643.41
3807421.91       76.47443  (09011918)
        464663.41   3807421.91       72.56134  (09011918)               464683.41
3807421.91       68.14865  (09011918)
        464703.41   3807421.91       63.99157  (09011918)               464723.41
3807421.91       59.81573  (09011918)
        464743.41   3807421.91       55.50413  (09011918)               464763.41
3807421.91       51.11641  (09011918)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 760
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
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                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464783.41   3807421.91       46.75348  (09011918)               464803.41
3807421.91       43.19780  (09011918)
        464823.41   3807421.91       39.83516  (09011918)               464843.41
3807421.91       36.27932  (09011918)
        464863.41   3807421.91       33.94570  (09030119)               464883.41
3807421.91       33.05119  (09030119)
        464903.41   3807421.91       31.47763  (09030119)               464923.41
3807421.91       31.12581  (09030119)
        464503.41   3807441.91       90.42987  (09011918)               464523.41
3807441.91       90.00873  (09011918)
        464543.41   3807441.91       88.75280  (09011918)               464563.41
3807441.91       87.31647  (09011918)
        464583.41   3807441.91       85.23240  (09011918)               464603.41
3807441.91       82.26302  (09011918)
        464623.41   3807441.91       78.91974  (09011918)               464643.41
3807441.91       75.47634  (09011918)
        464663.41   3807441.91       71.33073  (09011918)               464683.41
3807441.91       66.82571  (09011918)
        464703.41   3807441.91       62.08985  (09011918)               464723.41
3807441.91       57.73042  (09011918)
        464743.41   3807441.91       53.69003  (09011918)               464763.41
3807441.91       49.44409  (09011918)
        464783.41   3807441.91       44.98818  (09011918)               464803.41
3807441.91       40.70357  (09011918)
        464823.41   3807441.91       37.81056  (09011918)               464843.41
3807441.91       34.99954  (09030119)
        464863.41   3807441.91       32.22694  (09030119)               464883.41
3807441.91       32.77158  (09030119)
        464903.41   3807441.91       32.10446  (09030119)               464923.41
3807441.91       30.37733  (09030119)
        464503.41   3807461.91       91.70287  (09011918)               464523.41
3807461.91       90.49249  (09011918)
        464543.41   3807461.91       89.02051  (09011918)               464563.41
3807461.91       87.56459  (09011918)
        464583.41   3807461.91       84.52047  (09011918)               464603.41
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3807461.91       81.41036  (09011918)
        464623.41   3807461.91       78.12184  (09011918)                464643.41
3807461.91       73.74420  (09011918)
        464663.41   3807461.91       69.60144  (09011918)                464683.41
3807461.91       65.36183  (09011918)
        464703.41   3807461.91       60.52693  (09011918)                464723.41
3807461.91       55.74653  (09011918)
        464743.41   3807461.91       51.38995  (09011918)                464763.41
3807461.91       47.47971  (09011918)
        464783.41   3807461.91       43.38378  (09011918)                464803.41
3807461.91       39.25014  (09011918)
        464823.41   3807461.91       38.42725  (09030119)                464843.41
3807461.91       36.70080  (09030119)
        464863.41   3807461.91       33.55377  (09030119)                464883.41
3807461.91       34.07950  (09030119)
        464903.41   3807461.91       33.25026  (09030119)                464923.41
3807461.91       31.23895  (09030119)
        464503.41   3807481.91       92.89768  (09011918)                464523.41
3807481.91       91.24886  (09011918)
        464543.41   3807481.91       89.64043  (09011918)                464563.41
3807481.91       87.06297  (09011918)
        464583.41   3807481.91       83.99317  (09011918)                464603.41
3807481.91       80.54974  (09011918)
        464623.41   3807481.91       76.53957  (09011918)                464643.41
3807481.91       72.26135  (09011918)
        464663.41   3807481.91       67.79219  (09011918)                464683.41
3807481.91       63.21463  (09011918)
        464703.41   3807481.91       58.66049  (09011918)                464723.41
3807481.91       53.95588  (09011918)
        464743.41   3807481.91       49.18250  (09011918)                464763.41
3807481.91       45.49254  (09011918)
        464783.41   3807481.91       41.69461  (09011918)                464803.41
3807481.91       39.37422  (09030119)
        464823.41   3807481.91       40.41656  (09030119)                464843.41
3807481.91       38.44809  (09030119)
        464863.41   3807481.91       34.82103  (09030119)                464883.41
3807481.91       34.06216  (09030119)
        464903.41   3807481.91       32.50836  (09030119)                464923.41
3807481.91       32.04478  (09030119)
        464503.41   3807501.91       93.76019  (09011918)                464523.41
3807501.91       91.76247  (09011918)
        464543.41   3807501.91       89.52456  (09011918)                464563.41
3807501.91       86.53798  (09011918)
        464583.41   3807501.91       83.36234  (09011918)                464603.41
3807501.91       79.29469  (09011918)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464623.41	3807501.91	74.81225	(09011918)	464643.41	3807501.91	70.59339	(09011918)
464663.41	3807501.91	65.82696	(09011918)	464683.41	3807501.91	60.93471	(09011918)
464703.41	3807501.91	56.51847	(09011918)	464723.41	3807501.91	51.98966	(09011918)
464743.41	3807501.91	47.40689	(09011918)	464763.41	3807501.91	43.56588	(09011918)
464783.41	3807501.91	42.09312	(09030119)	464803.41	3807501.91	41.41971	(09030119)
464823.41	3807501.91	41.91731	(09030119)	464843.41	3807501.91	40.05792	(09030119)
464863.41	3807501.91	36.04319	(09030119)	464883.41	3807501.91	33.23659	(09030119)
464903.41	3807501.91	32.85585	(09030119)	464923.41	3807501.91	32.80737	(09030119)
464503.41	3807521.91	93.98821	(09011918)	464523.41	3807521.91	91.85023	(09011918)
464543.41	3807521.91	89.12414	(09011918)	464563.41	3807521.91	86.16869	(09011918)
464583.41	3807521.91	81.89015	(09011918)	464603.41	3807521.91	77.76816	(09011918)
464623.41	3807521.91	73.44303	(09011918)	464643.41	3807521.91	68.35654	(09011918)
464663.41	3807521.91	63.64578	(09011918)	464683.41	3807521.91	59.00492	(09011918)

464703.41 3807521.91 54.13419 (09011918) 464723.41 3807521.91 49.80433 (09011918)
464743.41 3807521.91 45.44354 (09011918) 464763.41 3807521.91 43.00853 (09030119)
464783.41 3807521.91 43.31509 (09030119) 464803.41 3807521.91 43.14019 (09030119)
464823.41 3807521.91 40.55263 (09030119) 464843.41 3807521.91 39.01849 (09030119)
464863.41 3807521.91 37.39478 (09030119) 464883.41 3807521.91 34.18916 (09030119)
464903.41 3807521.91 33.70517 (09030119) 464923.41 3807521.91 33.59155 (09030119)
464503.41 3807541.91 94.36563 (09011918) 464523.41 3807541.91 91.78433 (09011918)
464543.41 3807541.91 88.70878 (09011918) 464563.41 3807541.91 84.90817 (09011918)
464583.41 3807541.91 80.69148 (09011918) 464603.41 3807541.91 76.12077 (09011918)
464623.41 3807541.91 71.31317 (09011918) 464643.41 3807541.91 66.41233 (09011918)
464663.41 3807541.91 61.43086 (09011918) 464683.41 3807541.91 56.58722 (09011918)
464703.41 3807541.91 51.99683 (09011918) 464723.41 3807541.91 47.34879 (09011918)
464743.41 3807541.91 44.27074 (09030119) 464763.41 3807541.91 44.66410 (09030119)
464783.41 3807541.91 44.69518 (09030119) 464803.41 3807541.91 45.25717 (09030119)
464823.41 3807541.91 40.84456 (09030119) 464843.41 3807541.91 37.79541 (09030119)
464863.41 3807541.91 36.97726 (09030119) 464883.41 3807541.91 34.86372 (09030119)
464903.41 3807541.91 34.28483 (09030119) 464923.41 3807541.91 33.67371 (09030119)
464503.41 3807561.91 94.38234 (09011918) 464523.41 3807561.91 91.65699 (09011918)
464543.41 3807561.91 87.85432 (09011918) 464563.41 3807561.91 83.44448 (09011918)
464583.41 3807561.91 79.24769 (09011918) 464603.41 3807561.91 74.27290 (09011918)
464623.41 3807561.91 68.98980 (09011918) 464643.41 3807561.91 64.21028 (09011918)
464663.41 3807561.91 59.13915 (09011918) 464683.41 3807561.91 53.85292 (09011918)
464703.41 3807561.91 49.47725 (09011918) 464723.41 3807561.91 45.45458 (09030119)
464743.41 3807561.91 44.76182 (09030119) 464763.41 3807561.91 45.88782 (09030119)
464783.41 3807561.91 46.49274 (09030119) 464803.41 3807561.91 46.36145 (09030119)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                   L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                   L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                   L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        464903.41   3807561.91   34.62799 (09030119)   464923.41   3807561.91   34.06879 (09030119)
        464503.41   3807581.91   94.57249 (09011918)   464523.41   3807581.91   90.59708 (09011918)
        464543.41   3807581.91   86.67557 (09011918)   464563.41   3807581.91   82.40970 (09011918)
        464583.41   3807581.91   77.10424 (09011918)   464603.41   3807581.91   72.12346 (09011918)
        464623.41   3807581.91   67.11191 (09011918)   464643.41   3807581.91   61.64124 (09011918)
        464663.41   3807581.91   56.76001 (09011918)   464683.41   3807581.91   51.74125 (09011918)
        464703.41   3807581.91   47.06113 (09011918)   464723.41   3807581.91   46.86360 (09030119)
        464743.41   3807581.91   47.13371 (09030119)   464763.41   3807581.91   48.21750 (09030119)
        464783.41   3807581.91   47.35503 (09030119)   464803.41

3807581.91 43.19545 (09030119)
464823.41 3807581.91 43.04724 (09030119) 464843.41
3807581.91 39.55087 (09030119)
464863.41 3807581.91 36.26074 (09030119) 464883.41
3807581.91 36.18119 (09030119)
464903.41 3807581.91 35.28468 (09030119) 464923.41
3807581.91 34.52058 (09030119)
464503.41 3807601.91 93.65820 (09011918) 464523.41
3807601.91 88.96795 (09011918)
464543.41 3807601.91 84.75971 (09011918) 464563.41
3807601.91 80.44178 (09011918)
464583.41 3807601.91 75.29928 (09011918) 464603.41
3807601.91 69.90203 (09011918)
464623.41 3807601.91 64.54928 (09011918) 464643.41
3807601.91 59.37980 (09011918)
464663.41 3807601.91 54.00263 (09011918) 464683.41
3807601.91 49.31438 (09011918)
464703.41 3807601.91 48.39101 (09030119) 464723.41
3807601.91 48.43633 (09030119)
464743.41 3807601.91 49.12269 (09030119) 464763.41
3807601.91 46.99692 (09030119)
464783.41 3807601.91 45.32956 (09030119) 464803.41
3807601.91 42.07151 (09030119)
464823.41 3807601.91 40.61118 (09030119) 464843.41
3807601.91 37.96800 (09030119)
464863.41 3807601.91 37.01819 (09030119) 464883.41
3807601.91 36.15317 (09030119)
464903.41 3807601.91 35.58145 (09030119) 464923.41
3807601.91 34.99987 (09030119)
464503.41 3807621.91 92.15640 (09011918) 464523.41
3807621.91 87.31831 (09011918)
464543.41 3807621.91 82.64672 (09011918) 464563.41
3807621.91 78.19171 (09011918)
464583.41 3807621.91 73.13737 (09011918) 464603.41
3807621.91 67.55590 (09011918)
464623.41 3807621.91 61.51897 (09011918) 464643.41
3807621.91 56.57966 (09011918)
464663.41 3807621.91 51.60357 (09011918) 464683.41
3807621.91 48.54882 (09030119)
464703.41 3807621.91 49.79946 (09030119) 464723.41
3807621.91 50.47442 (09030119)
464743.41 3807621.91 50.33208 (09030119) 464763.41
3807621.91 45.87030 (09030119)
464783.41 3807621.91 43.13133 (09030119) 464803.41
3807621.91 42.43243 (09030119)
464823.41 3807621.91 38.67876 (09030119) 464843.41
3807621.91 37.95878 (09030119)
464863.41 3807621.91 37.47071 (09030119) 464883.41
3807621.91 36.44183 (09030119)
464903.41 3807621.91 35.86540 (09030119) 464923.41

3807621.91   35.71454 (09031219)
        464503.41   3807641.91   90.44916 (09011918)   464523.41
3807641.91   86.07987 (09011918)
        464543.41   3807641.91   81.54303 (09011918)   464563.41
3807641.91   76.49487 (09011918)
        464583.41   3807641.91   70.46509 (09011918)   464603.41
3807641.91   65.04179 (09011918)
        464623.41   3807641.91   59.31015 (09011918)   464643.41
3807641.91   53.83802 (09011918)
        464663.41   3807641.91   50.91480 (09030119)   464683.41
3807641.91   51.22720 (09030119)
        464703.41   3807641.91   52.42877 (09030119)   464723.41
3807641.91   51.48881 (09030119)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                 L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                 L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                 L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        464743.41   3807641.91   46.88496 (09030119)   464763.41
3807641.91   46.70546 (09030119)
        464783.41   3807641.91   43.22898 (09030119)   464803.41
3807641.91   39.65580 (09030119)
        464823.41   3807641.91   39.38349 (09030119)   464843.41
3807641.91   38.27544 (09030119)
        464863.41   3807641.91   37.34092 (09030119)   464883.41
3807641.91   36.80931 (09030119)

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        464903.41   3807641.91       36.74421  (09031219)               464923.41
3807641.91       36.66172  (10020118)
        464503.41   3807661.91       87.88661  (09011918)               464523.41
3807661.91       83.73350  (09011918)
        464543.41   3807661.91       79.06854  (09011918)               464563.41
3807661.91       73.88924  (09011918)
        464583.41   3807661.91       68.16304  (09011918)               464603.41
3807661.91       61.99890  (09011918)
        464623.41   3807661.91       56.59800  (09011918)               464643.41
3807661.91       52.65690  (09030119)
        464663.41   3807661.91       51.49142  (09030119)               464683.41
3807661.91       49.69650  (09030119)
        464703.41   3807661.91       50.65748  (09030119)               464723.41
3807661.91       49.29692  (09030119)
        464743.41   3807661.91       45.67560  (09030119)               464763.41
3807661.91       44.03902  (09030119)
        464783.41   3807661.91       41.07416  (09030119)               464803.41
3807661.91       39.98370  (09030119)
        464823.41   3807661.91       38.97913  (09030119)               464843.41
3807661.91       38.29739  (09030119)
        464863.41   3807661.91       37.88457  (09031219)               464883.41
3807661.91       37.80429  (09031219)
        464903.41   3807661.91       37.86788  (10020118)               464923.41
3807661.91       37.91893  (10020118)
        464503.41   3807681.91       83.72038  (09011918)               464523.41
3807681.91       79.63395  (09011918)
        464543.41   3807681.91       75.07981  (09011918)               464563.41
3807681.91       70.17442  (09011918)
        464583.41   3807681.91       65.04444  (09011918)               464603.41
3807681.91       59.38364  (09011918)
        464623.41   3807681.91       53.01820  (09011918)               464643.41
3807681.91       53.58749  (09030119)
        464663.41   3807681.91       51.14073  (09030119)               464683.41
3807681.91       46.06632  (09030119)
        464703.41   3807681.91       46.04421  (09030119)               464723.41
3807681.91       46.27826  (09030119)
        464743.41   3807681.91       46.10319  (09030119)               464763.41
3807681.91       41.90085  (09030119)
        464783.41   3807681.91       41.06036  (09030119)               464803.41
3807681.91       40.46745  (09030119)
        464823.41   3807681.91       39.27702  (09030119)               464843.41
3807681.91       39.03613  (09031219)
        464863.41   3807681.91       38.95396  (09031219)               464883.41
3807681.91       39.03093  (10020118)
        464903.41   3807681.91       39.10410  (10020118)               464923.41
3807681.91       39.12009  (10020118)
        464523.41   3807701.91       76.51384  (09011918)               464543.41
3807701.91       71.86241  (09011918)
        464563.41   3807701.91       66.93310  (09011918)               464583.41
3807701.91       61.85183  (09011918)
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        464603.41   3807701.91       56.60554  (09011918)                464623.41
3807701.91       55.40516  (09030119)
        464643.41   3807701.91       51.98536  (09030119)                464663.41
3807701.91       49.90235  (09030119)
        464683.41   3807701.91       47.68600  (09030119)                464703.41
3807701.91       45.68295  (09030119)
        464723.41   3807701.91       43.12693  (09030119)                464743.41
3807701.91       43.03028  (09030119)
        464763.41   3807701.91       42.67690  (09030119)                464783.41
3807701.91       41.39532  (09030119)
        464803.41   3807701.91       40.30374  (09030119)                464823.41
3807701.91       40.25966  (09031219)
        464843.41   3807701.91       40.22394  (10020118)                464863.41
3807701.91       40.29298  (10020118)
        464883.41   3807701.91       40.34786  (10020118)                464903.41
3807701.91       40.32314  (10020118)
        464923.41   3807701.91       40.18295  (10020118)                464543.41
3807721.91       67.37471  (09011918)
        464563.41   3807721.91       63.37372  (09011918)                464583.41
3807721.91       58.36988  (09011918)
        464603.41   3807721.91       57.68106  (09030119)                464623.41
3807721.91       58.48296  (09030119)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 764
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        464643.41   3807721.91       52.53381  (09030119)                464663.41
3807721.91       48.38738  (09030119)
        464683.41   3807721.91       47.24564  (09030119)                464703.41
3807721.91       44.29281  (09030119)
        464723.41   3807721.91       43.70019  (09030119)                464743.41
3807721.91       43.38827  (09030119)
        464763.41   3807721.91       42.21407  (09030119)                464783.41
3807721.91       41.51146  (09031219)
        464803.41   3807721.91       41.50616  (09031219)                464823.41
3807721.91       41.58566  (10020118)
        464843.41   3807721.91       41.66943  (10020118)                464863.41
3807721.91       41.63717  (10020118)
        464883.41   3807721.91       41.58187  (10020118)                464903.41
3807721.91       41.41313  (10020118)
        464923.41   3807721.91       41.18010  (10020118)                464943.41
3807721.91       40.93158  (10020118)
        464963.41   3807721.91       40.57853  (10020118)                464983.41
3807721.91       40.17223  (10020118)
        465003.41   3807721.91       39.71216  (10020118)                465023.41
3807721.91       39.25276  (10020118)
        465043.41   3807721.91       38.70484  (10020118)                465063.41
3807721.91       38.16011  (10020118)
        465083.41   3807721.91       37.53864  (10020118)                465103.41
3807721.91       36.93750  (10020118)
        465123.41   3807721.91       36.33667  (10020118)                465143.41
3807721.91       35.68727  (10020118)
        465163.41   3807721.91       34.97501  (10020118)                465183.41
3807721.91       34.31683  (10020118)
        465203.41   3807721.91       33.62364  (10020118)                465223.41
3807721.91       32.87431  (10020118)
        465243.41   3807721.91       32.11646  (10020118)                465263.41
3807721.91       31.39217  (10020118)
        465283.41   3807721.91       30.63947  (10020118)                465303.41
3807721.91       29.94669  (10020118)
        465323.41   3807721.91       29.23070  (10020118)                465343.41
3807721.91       28.48257  (10020118)
        465363.41   3807721.91       27.79856  (10020118)                465383.41
3807721.91       27.04369  (10020118)
        464543.41   3807741.91       60.12600  (09011918)                464563.41
3807741.91       60.61418  (09011918)
        464583.41   3807741.91       58.10535  (09030119)                464603.41
3807741.91       59.68650  (09030119)
        464623.41   3807741.91       60.15508  (09030119)                464643.41
3807741.91       53.48246  (09030119)
        464663.41   3807741.91       48.75942  (09030119)                464683.41
3807741.91       45.16460  (09030119)
        464703.41   3807741.91       44.98190  (09030119)                464723.41
3807741.91       44.63364  (09030119)
        464743.41   3807741.91       43.91091  (09030119)                464763.41
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3807741.91   42.86232 (09031219)
        464783.41   3807741.91   42.87222 (10020118)   464803.41
3807741.91   42.99113 (10020118)
        464823.41   3807741.91   43.00236 (10020118)   464843.41
3807741.91   42.99238 (10020118)
        464863.41   3807741.91   42.91552 (10020118)   464883.41
3807741.91   42.68261 (10020118)
        464903.41   3807741.91   42.46028 (10020118)   464923.41
3807741.91   42.13434 (10020118)
        464943.41   3807741.91   41.70323 (10020118)   464963.41
3807741.91   41.25272 (10020118)
        464983.41   3807741.91   40.80714 (10020118)   465003.41
3807741.91   40.21515 (10020118)
        465023.41   3807741.91   39.61233 (10020118)   465043.41
3807741.91   39.02765 (10020118)
        465063.41   3807741.91   38.32929 (10020118)   465083.41
3807741.91   37.68214 (10020118)
        465103.41   3807741.91   37.02631 (10020118)   465123.41
3807741.91   36.33636 (10020118)
        465143.41   3807741.91   35.55917 (10020118)   465163.41
3807741.91   34.76450 (10020118)
        465183.41   3807741.91   34.03363 (10020118)   465203.41
3807741.91   33.30292 (10020118)
        465223.41   3807741.91   32.52723 (10020118)   465243.41
3807741.91   31.73981 (10020118)
        465263.41   3807741.91   30.95529 (10020118)   465283.41
3807741.91   30.22241 (10020118)
        465303.41   3807741.91   29.48121 (10020118)   465323.41
3807741.91   28.65693 (10020118)
        465343.41   3807741.91   27.83954 (10020118)   465363.41
3807741.91   27.12221 (10020118)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465383.41	3807741.91	26.42046	(10020118)	464543.41	3807761.91	46.11035	(09030119)
464563.41	3807761.91	51.82561	(09011918)	464583.41	3807761.91	51.09065	(09030119)
464603.41	3807761.91	55.42770	(09030119)	464623.41	3807761.91	55.19182	(09030119)
464643.41	3807761.91	50.05668	(09030119)	464663.41	3807761.91	46.93762	(09030119)
464683.41	3807761.91	46.33168	(09030119)	464703.41	3807761.91	46.04458	(09030119)
464723.41	3807761.91	44.99314	(09030119)	464743.41	3807761.91	44.28198	(09031219)
464763.41	3807761.91	44.38119	(10020118)	464783.41	3807761.91	44.47330	(10020118)
464803.41	3807761.91	44.45051	(10020118)	464823.41	3807761.91	44.40866	(10020118)
464843.41	3807761.91	44.29640	(10020118)	464863.41	3807761.91	44.10709	(10020118)
464883.41	3807761.91	43.75476	(10020118)	464903.41	3807761.91	43.41755	(10020118)
464923.41	3807761.91	42.97758	(10020118)	464943.41	3807761.91	42.43065	(10020118)
464963.41	3807761.91	41.87015	(10020118)	464983.41	3807761.91	41.31860	(10020118)
465003.41	3807761.91	40.62179	(10020118)	465023.41	3807761.91	39.88871	(10020118)
465043.41	3807761.91	39.13393	(10020118)	465063.41	3807761.91	38.43890	(10020118)
465083.41	3807761.91	37.72549	(10020118)	465103.41	3807761.91	36.98330	(10020118)
465123.41	3807761.91	36.13209	(10020118)	465143.41	3807761.91	35.30758	(10020118)
465163.41	3807761.91	34.52218	(10020118)	465183.41	3807761.91	33.65010	(10020118)
465203.41	3807761.91	32.85559	(10020118)	465223.41	3807761.91	32.04391	(10020118)
465243.41	3807761.91	31.26139	(10020118)	465263.41	3807761.91	30.48813	(10020118)
465283.41	3807761.91	29.71273	(10020118)	465303.41	3807761.91	28.83704	(10020118)

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        465323.41   3807761.91       28.00753  (10020118)               465343.41
3807761.91       27.25602  (10020118)
        465363.41   3807761.91       26.44639  (10020118)               465383.41
3807761.91       25.68832  (10020118)
        464543.41   3807781.91       47.55023  (09030119)               464563.41
3807781.91       47.71828  (09030119)
        464583.41   3807781.91       47.74339  (09030119)               464603.41
3807781.91       47.92678  (09030119)
        464623.41   3807781.91       48.10191  (09030119)               464643.41
3807781.91       47.99405  (09030119)
        464663.41   3807781.91       47.41410  (09030119)               464683.41
3807781.91       46.42209  (09030119)
        464703.41   3807781.91       45.90924  (09030119)               464723.41
3807781.91       45.78061  (09031219)
        464743.41   3807781.91       45.97603  (10020118)               464763.41
3807781.91       46.04612  (10020118)
        464783.41   3807781.91       46.03263  (10020118)               464803.41
3807781.91       45.88809  (10020118)
        464823.41   3807781.91       45.73251  (10020118)               464843.41
3807781.91       45.48377  (10020118)
        464863.41   3807781.91       45.09991  (10020118)               464883.41
3807781.91       44.69857  (10020118)
        464903.41   3807781.91       44.17803  (10020118)               464923.41
3807781.91       43.59686  (10020118)
        464943.41   3807781.91       42.96311  (10020118)               464963.41
3807781.91       42.32571  (10020118)
        464983.41   3807781.91       41.59635  (10020118)               465003.41
3807781.91       40.87532  (10020118)
        465023.41   3807781.91       40.05021  (10020118)               465043.41
3807781.91       39.19669  (10020118)
        465063.41   3807781.91       38.42653  (10020118)               465083.41
3807781.91       37.60922  (10020118)
        465103.41   3807781.91       36.72724  (10020118)               465123.41
3807781.91       35.83925  (10020118)
        465143.41   3807781.91       34.98204  (10020118)               465163.41
3807781.91       34.08580  (10020118)
        465183.41   3807781.91       33.19268  (10020118)               465203.41
3807781.91       32.36275  (10020118)
        465223.41   3807781.91       31.54064  (10020118)               465243.41
3807781.91       30.66174  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 766
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
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INCLUDING SOURCE(S): L0006011 , L0006012
, L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020
, L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028
, L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465263.41	3807781.91	29.84836	(10020118)	465283.41	3807781.91	29.02192	(10020118)
465303.41	3807781.91	28.18172	(10020118)	465323.41	3807781.91	27.35382	(10020118)
465343.41	3807781.91	26.53966	(10020118)	465363.41	3807781.91	25.74111	(10020118)
465383.41	3807781.91	25.00660	(10020118)	464543.41	3807801.91	48.78025	(09030119)
464563.41	3807801.91	48.91722	(09030119)	464583.41	3807801.91	48.80146	(09030119)
464603.41	3807801.91	48.56975	(09030119)	464623.41	3807801.91	48.41622	(09030119)
464643.41	3807801.91	48.38486	(09030119)	464663.41	3807801.91	47.71486	(09030119)
464683.41	3807801.91	47.34784	(09031219)	464703.41	3807801.91	47.48748	(10020118)
464723.41	3807801.91	47.65150	(10020118)	464743.41	3807801.91	47.67817	(10020118)
464763.41	3807801.91	47.57362	(10020118)	464783.41	3807801.91	47.44033	(10020118)
464803.41	3807801.91	47.23293	(10020118)	464823.41	3807801.91	46.93666	(10020118)
464843.41	3807801.91	46.48588	(10020118)	464863.41	3807801.91	46.00828	(10020118)
464883.41	3807801.91	45.44016	(10020118)	464903.41	3807801.91	44.78373	(10020118)
464923.41	3807801.91	44.06654	(10020118)	464943.41	3807801.91	43.38040	(10020118)
464963.41	3807801.91	42.57322	(10020118)	464983.41	3807801.91	41.72133	(10020118)
465003.41	3807801.91	40.92015	(10020118)	465023.41			

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3807801.91       40.05901  (10020118)
        465043.41   3807801.91       39.12790  (10020118)                465063.41
3807801.91       38.26069  (10020118)
        465083.41   3807801.91       37.30942  (10020118)                465103.41
3807801.91       36.34727  (10020118)
        465123.41   3807801.91       35.45837  (10020118)                465143.41
3807801.91       34.50132  (10020118)
        465163.41   3807801.91       33.54514  (10020118)                465183.41
3807801.91       32.67938  (10020118)
        465203.41   3807801.91       31.80994  (10020118)                465223.41
3807801.91       30.93707  (10020118)
        465243.41   3807801.91       29.95014  (10020118)                465263.41
3807801.91       29.07772  (10020118)
        465283.41   3807801.91       28.26508  (10020118)                465303.41
3807801.91       27.45536  (10020118)
        465323.41   3807801.91       26.60606  (10020118)                465343.41
3807801.91       25.76898  (10020118)
        465363.41   3807801.91       25.02089  (10020118)                465383.41
3807801.91       24.27961  (10020118)
        464543.41   3807821.91       50.02335  (09030119)                464563.41
3807821.91       49.94731  (09030119)
        464583.41   3807821.91       49.83914  (09030119)                464603.41
3807821.91       49.62657  (09030119)
        464623.41   3807821.91       49.21806  (09030119)                464643.41
3807821.91       49.00714  (09031219)
        464663.41   3807821.91       49.06967  (10020118)                464683.41
3807821.91       49.28557  (10020118)
        464703.41   3807821.91       49.41658  (10020118)                464723.41
3807821.91       49.40258  (10020118)
        464743.41   3807821.91       49.25015  (10020118)                464763.41
3807821.91       49.07076  (10020118)
        464783.41   3807821.91       48.80621  (10020118)                464803.41
3807821.91       48.45059  (10020118)
        464823.41   3807821.91       47.91726  (10020118)                464843.41
3807821.91       47.38817  (10020118)
        464863.41   3807821.91       46.74320  (10020118)                464883.41
3807821.91       45.99464  (10020118)
        464903.41   3807821.91       45.22193  (10020118)                464923.41
3807821.91       44.45692  (10020118)
        464943.41   3807821.91       43.55491  (10020118)                464963.41
3807821.91       42.69725  (10020118)
        464983.41   3807821.91       41.77231  (10020118)                465003.41
3807821.91       40.77583  (10020118)
        465023.41   3807821.91       39.84341  (10020118)                465043.41
3807821.91       38.90500  (10020118)
        465063.41   3807821.91       37.86921  (10020118)                465083.41
3807821.91       36.87029  (10020118)
        465103.41   3807821.91       35.91898  (10020118)                465123.41
3807821.91       34.88756  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                   L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                   L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                   L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465143.41   3807821.91   33.90124 (10020118)   465163.41
3807821.91   32.97937 (10020118)
        465183.41   3807821.91   32.07404 (10020118)   465203.41
3807821.91   31.10752 (10020118)
        465223.41   3807821.91   30.11770 (10020118)   465243.41
3807821.91   29.21815 (10020118)
        465263.41   3807821.91   28.37079 (10020118)   465283.41
3807821.91   27.53285 (10020118)
        465303.41   3807821.91   26.63830 (10020118)   465323.41
3807821.91   25.79529 (10020118)
        465343.41   3807821.91   25.01603 (10020118)   465363.41
3807821.91   24.32487 (10102019)
        465383.41   3807821.91   23.77399 (10102019)   464543.41
3807841.91   50.89013 (09030119)
        464563.41   3807841.91   50.71152 (09030119)   464583.41
3807841.91   50.66243 (09030119)
        464603.41   3807841.91   50.38635 (09030119)   464623.41
3807841.91   50.59038 (10020118)
        464643.41   3807841.91   50.93751 (10020118)   464663.41
3807841.91   51.12327 (10020118)
        464683.41   3807841.91   51.26355 (10020118)   464723.41
3807841.91   51.08488 (10020118)

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        464743.41   3807841.91       50.77879  (10020118)               464763.41
3807841.91       50.45290  (10020118)
        464783.41   3807841.91       50.01634  (10020118)               464803.41
3807841.91       49.42787  (10020118)
        464823.41   3807841.91       48.81571  (10020118)               464843.41
3807841.91       48.07377  (10020118)
        464863.41   3807841.91       47.26628  (10020118)               464883.41
3807841.91       46.40370  (10020118)
        464903.41   3807841.91       45.53831  (10020118)               464923.41
3807841.91       44.58012  (10020118)
        464943.41   3807841.91       43.63456  (10020118)               464963.41
3807841.91       42.61117  (10020118)
        464983.41   3807841.91       41.60958  (10020118)               465003.41
3807841.91       40.55135  (10020118)
        465023.41   3807841.91       39.52183  (10020118)               465043.41
3807841.91       38.44716  (10020118)
        465063.41   3807841.91       37.37572  (10020118)               465083.41
3807841.91       36.34422  (10020118)
        465103.41   3807841.91       35.28351  (10020118)               465123.41
3807841.91       34.23580  (10020118)
        465143.41   3807841.91       33.23394  (10020118)               465163.41
3807841.91       32.21889  (10020118)
        465183.41   3807841.91       31.28462  (10020118)               465203.41
3807841.91       30.28460  (10020118)
        465223.41   3807841.91       29.32567  (10020118)               465243.41
3807841.91       28.38422  (10020118)
        465263.41   3807841.91       27.51491  (10020118)               465283.41
3807841.91       26.67221  (10020118)
        465303.41   3807841.91       25.79686  (10020118)               465323.41
3807841.91       25.05704  (10102019)
        465343.41   3807841.91       24.53264  (10102019)               465363.41
3807841.91       23.95991  (10102019)
        465383.41   3807841.91       23.42960  (10102019)               464503.41
3807861.91       52.66249  (09030119)
        464523.41   3807861.91       52.16231  (09030119)               464543.41
3807861.91       51.69375  (09030119)
        464563.41   3807861.91       51.22820  (09030119)               464583.41
3807861.91       51.26702  (10020118)
        464603.41   3807861.91       51.95762  (10020118)               464723.41
3807861.91       52.57672  (10020118)
        464743.41   3807861.91       52.17963  (10020118)               464763.41
3807861.91       51.68664  (10020118)
        464783.41   3807861.91       51.06161  (10020118)               464803.41
3807861.91       50.28347  (10020118)
        464823.41   3807861.91       49.47464  (10020118)               464843.41
3807861.91       48.56996  (10020118)
        464863.41   3807861.91       47.60201  (10020118)               464883.41
3807861.91       46.67043  (10020118)
        464903.41   3807861.91       45.61537  (10020118)               464923.41
3807861.91       44.51927  (10020118)
```

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        464943.41   3807861.91       43.48359  (10020118)               464963.41
3807861.91       42.39219  (10020118)
        464983.41   3807861.91       41.23828  (10020118)               465003.41
3807861.91       40.15983  (10020118)
        465023.41   3807861.91       39.00541  (10020118)               465043.41
3807861.91       37.85048  (10020118)
        465063.41   3807861.91       36.78047  (10020118)               465083.41
3807861.91       35.65254  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 768
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465103.41   3807861.91       34.53415  (10020118)               465123.41
3807861.91       33.50478  (10020118)
        465143.41   3807861.91       32.39684  (10020118)               465163.41
3807861.91       31.30930  (10020118)
        465183.41   3807861.91       30.34298  (10020118)               465203.41
3807861.91       29.40519  (10020118)
        465223.41   3807861.91       28.48443  (10020118)               465243.41
3807861.91       27.51388  (10020118)
        465263.41   3807861.91       26.60412  (10020118)               465283.41
3807861.91       25.83209  (10102019)
        465303.41   3807861.91       25.26664  (10102019)               465323.41
3807861.91       24.71732  (10102019)
        465343.41   3807861.91       24.17437  (10102019)               465363.41
```

3807861.91 23.57046 (10102019)
465383.41 3807861.91 22.99243 (10102019) 464503.41
3807881.91 54.11844 (09030119)
464523.41 3807881.91 53.44239 (09030119) 464543.41
3807881.91 52.80971 (09030119)
464723.41 3807881.91 53.99214 (10020118) 464743.41
3807881.91 53.41331 (10020118)
464763.41 3807881.91 52.73968 (10020118) 464783.41
3807881.91 51.93517 (10020118)
464803.41 3807881.91 50.92121 (10020118) 464823.41
3807881.91 49.89930 (10020118)
464843.41 3807881.91 48.85565 (10020118) 464863.41
3807881.91 47.82319 (10020118)
464883.41 3807881.91 46.65190 (10020118) 464903.41
3807881.91 45.53448 (10020118)
464923.41 3807881.91 44.35656 (10020118) 464943.41
3807881.91 43.11295 (10020118)
464963.41 3807881.91 41.94600 (10020118) 464983.41
3807881.91 40.78371 (10020118)
465003.41 3807881.91 39.53379 (10020118) 465023.41
3807881.91 38.33416 (10020118)
465043.41 3807881.91 37.19371 (10020118) 465063.41
3807881.91 35.98516 (10020118)
465083.41 3807881.91 34.83447 (10020118) 465103.41
3807881.91 33.74804 (10020118)
465123.41 3807881.91 32.57411 (10020118) 465143.41
3807881.91 31.46536 (10020118)
465163.41 3807881.91 30.45450 (10020118) 465183.41
3807881.91 29.39534 (10020118)
465203.41 3807881.91 28.40504 (10020118) 465223.41
3807881.91 27.48701 (10020118)
465243.41 3807881.91 26.66164 (10102019) 465263.41
3807881.91 26.06614 (10102019)
465283.41 3807881.91 25.47559 (10102019) 465303.41
3807881.91 24.81979 (10102019)
465323.41 3807881.91 24.24414 (10102019) 465343.41
3807881.91 23.66324 (10102019)
465363.41 3807881.91 23.12054 (10102019) 465383.41
3807881.91 22.54129 (10102019)
464723.41 3807901.91 55.10478 (10020118) 464743.41
3807901.91 54.44148 (10020118)
464763.41 3807901.91 53.54023 (10020118) 464783.41
3807901.91 52.50740 (10020118)
464803.41 3807901.91 51.40005 (10020118) 464823.41
3807901.91 50.20135 (10020118)
464843.41 3807901.91 49.00610 (10020118) 464863.41
3807901.91 47.83447 (10020118)
464883.41 3807901.91 46.52020 (10020118) 464903.41
3807901.91 45.20943 (10020118)
464923.41 3807901.91 43.94651 (10020118) 464943.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465283.41   3807901.91   24.98751 (10102019)   465303.41
3807901.91   24.34129 (10102019)
        465323.41   3807901.91   23.73029 (10102019)   465343.41
3807901.91   23.10023 (10102019)

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        465363.41   3807901.91       22.55592  (10102019)               465383.41
3807901.91       21.98985  (10102019)
        464723.41   3807921.91       55.94949  (10020118)               464743.41
3807921.91       55.20069  (10020118)
        464763.41   3807921.91       54.04056  (10020118)               464783.41
3807921.91       52.83044  (10020118)
        464803.41   3807921.91       51.61851  (10020118)               464823.41
3807921.91       50.27137  (10020118)
        464843.41   3807921.91       48.91983  (10020118)               464863.41
3807921.91       47.59571  (10020118)
        464883.41   3807921.91       46.15684  (10020118)               464903.41
3807921.91       44.72064  (10020118)
        464923.41   3807921.91       43.30436  (10020118)               464943.41
3807921.91       41.99222  (10020118)
        464963.41   3807921.91       40.67864  (10020118)               464983.41
3807921.91       39.32934  (10020118)
        465003.41   3807921.91       37.95598  (10020118)               465023.41
3807921.91       36.62069  (10020118)
        465043.41   3807921.91       35.32929  (10020118)               465063.41
3807921.91       34.13943  (10020118)
        465083.41   3807921.91       32.88808  (10020118)               465103.41
3807921.91       31.66995  (10020118)
        465123.41   3807921.91       30.58218  (10020118)               465143.41
3807921.91       29.46956  (10020118)
        465163.41   3807921.91       28.47421  (10102019)               465183.41
3807921.91       27.78027  (10102019)
        465203.41   3807921.91       27.10812  (10102019)               465223.41
3807921.91       26.44691  (10102019)
        465243.41   3807921.91       25.72379  (10102019)               465263.41
3807921.91       25.03601  (10102019)
        465283.41   3807921.91       24.41638  (10102019)               465303.41
3807921.91       23.82433  (10102019)
        465323.41   3807921.91       23.16358  (10102019)               465343.41
3807921.91       22.45360  (10102019)
        465363.41   3807921.91       21.90017  (10102019)               465383.41
3807921.91       21.33332  (10102019)
        464723.41   3807941.91       56.34436  (10020118)               464743.41
3807941.91       55.43927  (10020118)
        464763.41   3807941.91       54.29397  (10020118)               464783.41
3807941.91       52.95016  (10020118)
        464803.41   3807941.91       51.48143  (10020118)               464823.41
3807941.91       50.02900  (10020118)
        464843.41   3807941.91       48.51922  (10020118)               464863.41
3807941.91       47.02477  (10020118)
        464883.41   3807941.91       45.42812  (10020118)               464903.41
3807941.91       43.97755  (10020118)
        464923.41   3807941.91       42.56418  (10020118)               464943.41
3807941.91       41.17461  (10020118)
        464963.41   3807941.91       39.72766  (10020118)               464983.41
3807941.91       38.29089  (10020118)
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465523.41	3807941.91	17.82064	(09010519)	465543.41	3807941.91	17.67034	(09010519)
465563.41	3807941.91	17.52700	(09010519)	465583.41	3807941.91	17.38651	(09010519)
465603.41	3807941.91	17.24812	(09010519)	465623.41	3807941.91	17.10533	(09010519)
465643.41	3807941.91	16.96057	(09010519)	465663.41	3807941.91	16.82370	(09010519)
465683.41	3807941.91	16.68604	(09010519)	465703.41	3807941.91	16.54388	(09010519)
464723.41	3807961.91	56.28632	(10020118)	464743.41	3807961.91	55.41565	(10020118)
464763.41	3807961.91	54.21565	(10020118)	464783.41	3807961.91	52.73508	(10020118)
464803.41	3807961.91	51.12500	(10020118)	464823.41	3807961.91	49.49661	(10020118)
464843.41	3807961.91	47.91602	(10020118)	464863.41	3807961.91	46.28909	(10020118)
464883.41	3807961.91	44.64260	(10020118)	464903.41	3807961.91	43.11365	(10020118)
464923.41	3807961.91	41.62747	(10020118)	464943.41	3807961.91	40.10244	(10020118)
464963.41	3807961.91	38.65428	(10020118)	464983.41	3807961.91	37.20766	(10020118)
465003.41	3807961.91	35.77317	(10020118)	465023.41	3807961.91	34.43042	(10020118)
465043.41	3807961.91	33.17186	(10020118)	465063.41	3807961.91	31.81683	(10020118)
465083.41	3807961.91	30.71029	(10102019)	465103.41	3807961.91	29.84519	(10102019)
465123.41	3807961.91	29.00211	(10102019)	465143.41	3807961.91	28.21566	(10102019)
465163.41	3807961.91	27.41195	(10102019)	465183.41	3807961.91	26.63067	(10102019)
465203.41	3807961.91	25.89670	(10102019)	465223.41	3807961.91	25.14750	(10102019)
465243.41	3807961.91	24.49288	(10102019)	465263.41	3807961.91	23.82246	(10102019)
465283.41	3807961.91	23.08345	(10102019)	465303.41	3807961.91	22.47950	(10102019)
465323.41	3807961.91	21.84553	(10102019)	465343.41	3807961.91	21.20955	(10102019)
465363.41	3807961.91	20.65730	(10102019)	465383.41	3807961.91	20.06781	(10102019)
465403.41	3807961.91	19.49079	(10102019)	465423.41			

3807961.91   19.12627 (09010519)
       465443.41   3807961.91   18.96588 (09010519)   465463.41
3807961.91   18.81923 (09010519)
       465483.41   3807961.91   18.65562 (09010519)   465503.41
3807961.91   18.49666 (09010519)
       465523.41   3807961.91   18.34023 (09010519)   465543.41
3807961.91   18.17895 (09010519)
       465563.41   3807961.91   18.02250 (09010519)   465583.41
3807961.91   17.86932 (09010519)
       465603.41   3807961.91   17.71082 (09010519)   465623.41
3807961.91   17.55412 (09010519)
       465643.41   3807961.91   17.40124 (09010519)   465663.41
3807961.91   17.24840 (09010519)
       465683.41   3807961.91   17.09453 (09010519)   465703.41
3807961.91   16.94339 (09010519)
       464743.41   3807981.91   54.95738 (10020118)   464763.41
3807981.91   53.74307 (10020118)
       464783.41   3807981.91   52.20868 (10020118)   464803.41
3807981.91   50.53353 (10020118)
       464823.41   3807981.91   48.73852 (10020118)   464843.41
3807981.91   47.01221 (10020118)
       464863.41   3807981.91   45.36233 (10020118)   464883.41
3807981.91   43.63869 (10020118)
       464903.41   3807981.91   42.04109 (10020118)   464923.41
3807981.91   40.46076 (10020118)
       464943.41   3807981.91   38.88109 (10020118)   464963.41
3807981.91   37.40954 (10020118)
       464983.41   3807981.91   35.96106 (10020118)   465003.41
3807981.91   34.56190 (10020118)
       465023.41   3807981.91   33.20905 (10020118)   465043.41
3807981.91   32.13970 (10102019)
       465063.41   3807981.91   31.09921 (10102019)   465083.41
3807981.91   30.12004 (10102019)
       465103.41   3807981.91   29.21306 (10102019)   465123.41
3807981.91   28.42505 (10102019)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028

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, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465143.41   3807981.91       27.57591  (10102019)                465163.41
3807981.91       26.73376  (10102019)
        465183.41   3807981.91       25.99844  (10102019)                465203.41
3807981.91       25.20711  (10102019)
        465223.41   3807981.91       24.38266  (10102019)                465243.41
3807981.91       23.72133  (10102019)
        465263.41   3807981.91       23.08054  (10102019)                465283.41
3807981.91       22.44876  (10102019)
        465303.41   3807981.91       21.82116  (10102019)                465323.41
3807981.91       21.15512  (10102019)
        465343.41   3807981.91       20.48638  (10102019)                465363.41
3807981.91       20.26474  (09010519)
        465383.41   3807981.91       20.08580  (09010519)                465403.41
3807981.91       19.90759  (09010519)
        465423.41   3807981.91       19.71609  (09010519)                465443.41
3807981.91       19.53693  (09010519)
        465463.41   3807981.91       19.38014  (09010519)                465483.41
3807981.91       19.19316  (09010519)
        465503.41   3807981.91       19.01628  (09010519)                465523.41
3807981.91       18.84408  (09010519)
        465543.41   3807981.91       18.67256  (09010519)                465563.41
3807981.91       18.50229  (09010519)
        465583.41   3807981.91       18.33198  (09010519)                465603.41
3807981.91       18.15549  (09010519)
        465623.41   3807981.91       17.98917  (09010519)                465643.41
3807981.91       17.82356  (09010519)
        465663.41   3807981.91       17.65104  (09010519)                465683.41
3807981.91       17.48786  (09010519)
        465703.41   3807981.91       17.32877  (09010519)                464763.41
3808001.91       52.81747  (10020118)
        464783.41   3808001.91       51.28367  (10020118)                464803.41
3808001.91       49.57582  (10020118)
        464823.41   3808001.91       47.62620  (10020118)                464843.41
3808001.91       45.85455  (10020118)
        464863.41   3808001.91       44.12987  (10020118)                464883.41
3808001.91       42.34860  (10020118)
```

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        464903.41   3808001.91       40.67367  (10020118)                464923.41
3808001.91       39.10581  (10020118)
        464943.41   3808001.91       37.58130  (10020118)                464963.41
3808001.91       36.05097  (10020118)
        464983.41   3808001.91       34.57287  (10020118)                465003.41
3808001.91       33.44415  (10102019)
        465023.41   3808001.91       32.41639  (10102019)                465043.41
3808001.91       31.37228  (10102019)
        465063.41   3808001.91       30.44346  (10102019)                465083.41
3808001.91       29.50252  (10102019)
        465103.41   3808001.91       28.58195  (10102019)                465123.41
3808001.91       27.78415  (10102019)
        465143.41   3808001.91       26.92793  (10102019)                465163.41
3808001.91       26.06827  (10102019)
        465183.41   3808001.91       25.22881  (10102019)                465203.41
3808001.91       24.45758  (10102019)
        465223.41   3808001.91       23.71240  (10102019)                465243.41
3808001.91       23.05394  (10102019)
        465263.41   3808001.91       22.41729  (10102019)                465283.41
3808001.91       21.76893  (10102019)
        465303.41   3808001.91       21.52112  (09010519)                465323.41
3808001.91       21.31488  (09010519)
        465343.41   3808001.91       21.11227  (09010519)                465363.41
3808001.91       20.89514  (09010519)
        465383.41   3808001.91       20.69201  (09010519)                465403.41
3808001.91       20.49536  (09010519)
        465423.41   3808001.91       20.29702  (09010519)                465443.41
3808001.91       20.10197  (09010519)
        465463.41   3808001.91       19.91277  (09010519)                465483.41
3808001.91       19.71864  (09010519)
        465503.41   3808001.91       19.52792  (09010519)                465523.41
3808001.91       19.33934  (09010519)
        465543.41   3808001.91       19.14058  (09010519)                465563.41
3808001.91       18.95156  (09010519)
        465583.41   3808001.91       18.76883  (09010519)                465603.41
3808001.91       18.58719  (09010519)
        465623.41   3808001.91       18.40447  (09010519)                465643.41
3808001.91       18.21734  (09010519)
        465663.41   3808001.91       18.04051  (09010519)                465683.41
3808001.91       17.86716  (09010519)
        465703.41   3808001.91       17.69494  (09010519)                464763.41
3808021.91       51.31592  (10020118)
        464783.41   3808021.91       49.78993  (10020118)                464803.41
3808021.91       48.13856  (10020118)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***       16:42:19
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464823.41	3808021.91	46.28986	(10020118)	464843.41	3808021.91	44.48140	(10020118)
464863.41	3808021.91	42.71251	(10020118)	464883.41	3808021.91	40.93787	(10020118)
464903.41	3808021.91	39.25742	(10020118)	464923.41	3808021.91	37.61494	(10020118)
464943.41	3808021.91	36.09515	(10020118)	464963.41	3808021.91	34.88745	(10102019)
464983.41	3808021.91	33.78550	(10102019)	465003.41	3808021.91	32.71089	(10102019)
465023.41	3808021.91	31.63621	(10102019)	465043.41	3808021.91	30.63830	(10102019)
465063.41	3808021.91	29.67024	(10102019)	465083.41	3808021.91	28.77399	(10102019)
465103.41	3808021.91	27.87194	(10102019)	465123.41	3808021.91	26.99650	(10102019)
465143.41	3808021.91	26.18796	(10102019)	465163.41	3808021.91	25.35824	(10102019)
465183.41	3808021.91	24.49737	(10102019)	465203.41	3808021.91	23.67793	(10102019)
465223.41	3808021.91	23.15326	(09010519)	465243.41	3808021.91	22.91105	(09010519)
465263.41	3808021.91	22.67768	(09010519)	465283.41	3808021.91	22.44761	(09010519)
465303.41	3808021.91	22.21266	(09010519)	465323.41	3808021.91	21.97956	(09010519)
465343.41	3808021.91	21.74589	(09010519)	465363.41			

3808021.91 21.51449 (09010519)
465383.41 3808021.91 21.29188 (09010519) 465403.41
3808021.91 21.07432 (09010519)
465423.41 3808021.91 20.84905 (09010519) 465443.41
3808021.91 20.63250 (09010519)
465463.41 3808021.91 20.43446 (09010519) 465483.41
3808021.91 20.21665 (09010519)
465503.41 3808021.91 20.00660 (09010519) 465523.41
3808021.91 19.80049 (09010519)
465543.41 3808021.91 19.59220 (09010519) 465563.41
3808021.91 19.38792 (09010519)
465583.41 3808021.91 19.18545 (09010519) 465603.41
3808021.91 18.99079 (09010519)
465623.41 3808021.91 18.79388 (09010519) 465643.41
3808021.91 18.59794 (09010519)
465663.41 3808021.91 18.41052 (09010519) 465683.41
3808021.91 18.22215 (09010519)
465703.41 3808021.91 18.03532 (09010519) 464783.41
3808041.91 47.92866 (10020118)
464803.41 3808041.91 46.42322 (10020118) 464823.41
3808041.91 44.67164 (10020118)
464843.41 3808041.91 42.86660 (10020118) 464863.41
3808041.91 41.12749 (10020118)
464883.41 3808041.91 39.40422 (10020118) 464903.41
3808041.91 37.68563 (10020118)
464923.41 3808041.91 36.29948 (10102019) 464943.41
3808041.91 35.18864 (10102019)
464963.41 3808041.91 34.11131 (10102019) 464983.41
3808041.91 33.05451 (10102019)
465003.41 3808041.91 31.84589 (10102019) 465023.41
3808041.91 30.80482 (10102019)
465043.41 3808041.91 29.85125 (10102019) 465063.41
3808041.91 28.85887 (10102019)
465083.41 3808041.91 27.93049 (10102019) 465103.41
3808041.91 27.07891 (10102019)
465123.41 3808041.91 26.18593 (10102019) 465143.41
3808041.91 25.34450 (10102019)
465163.41 3808041.91 24.73125 (09010519) 465183.41
3808041.91 24.45362 (09010519)
465203.41 3808041.91 24.19483 (09010519) 465223.41
3808041.91 23.92622 (09010519)
465243.41 3808041.91 23.65099 (09010519) 465263.41
3808041.91 23.38800 (09010519)
465283.41 3808041.91 23.12977 (09010519) 465303.41
3808041.91 22.87846 (09010519)
465323.41 3808041.91 22.61709 (09010519) 465343.41
3808041.91 22.35418 (09010519)
465363.41 3808041.91 22.10856 (09010519) 465383.41
3808041.91 21.86634 (09010519)
465403.41 3808041.91 21.62546 (09010519) 465423.41

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                   L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                   L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                   L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465483.41   3808041.91   20.68734 (09010519)   465503.41
3808041.91   20.46045 (09010519)
        465523.41   3808041.91   20.23778 (09010519)   465543.41
3808041.91   20.02023 (09010519)
        465563.41   3808041.91   19.79712 (09010519)   465583.41
3808041.91   19.57445 (09010519)
        465603.41   3808041.91   19.36606 (09010519)   465623.41
3808041.91   19.16045 (09010519)
        465643.41   3808041.91   18.95716 (09010519)   465663.41
3808041.91   18.75554 (09010519)
        465683.41   3808041.91   18.55269 (09010519)   465703.41
3808041.91   18.35175 (09010519)
        464803.41   3808061.91   44.46663 (10020118)   464823.41
3808061.91   42.70475 (10020118)
        464843.41   3808061.91   41.09170 (10020118)   464863.41
3808061.91   39.39568 (10020118)
        464883.41   3808061.91   37.98655 (10102019)   464903.41
3808061.91   36.71480 (10102019)

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        464923.41   3808061.91       35.52849  (10102019)               464943.41
3808061.91       34.39147  (10102019)
        464963.41   3808061.91       33.29427  (10102019)               464983.41
3808061.91       32.22341  (10102019)
        465003.41   3808061.91       31.01119  (10102019)               465023.41
3808061.91       29.89559  (10102019)
        465043.41   3808061.91       28.87300  (10102019)               465063.41
3808061.91       27.97161  (10102019)
        465083.41   3808061.91       27.03229  (10102019)               465103.41
3808061.91       26.50330  (09010519)
        465123.41   3808061.91       26.19334  (09010519)               465143.41
3808061.91       25.87824  (09010519)
        465163.41   3808061.91       25.56858  (09010519)               465183.41
3808061.91       25.27370  (09010519)
        465203.41   3808061.91       24.96793  (09010519)               465223.41
3808061.91       24.65930  (09010519)
        465243.41   3808061.91       24.36915  (09010519)               465263.41
3808061.91       24.07171  (09010519)
        465283.41   3808061.91       23.77254  (09010519)               465303.41
3808061.91       23.49678  (09010519)
        465323.41   3808061.91       23.22127  (09010519)               465343.41
3808061.91       22.94769  (09010519)
        465363.41   3808061.91       22.66148  (09010519)               465383.41
3808061.91       22.39323  (09010519)
        465403.41   3808061.91       22.13488  (09010519)               465423.41
3808061.91       21.87897  (09010519)
        465443.41   3808061.91       21.62946  (09010519)               465463.41
3808061.91       21.38301  (09010519)
        465483.41   3808061.91       21.13754  (09010519)               465503.41
3808061.91       20.89000  (09010519)
        465523.41   3808061.91       20.63892  (09010519)               465543.41
3808061.91       20.40638  (09010519)
        465563.41   3808061.91       20.17556  (09010519)               465583.41
3808061.91       19.94774  (09010519)
        465603.41   3808061.91       19.72550  (09010519)               465623.41
3808061.91       19.50658  (09010519)
        465643.41   3808061.91       19.28932  (09010519)               465663.41
3808061.91       19.06779  (09010519)
        465683.41   3808061.91       18.85351  (09010519)               465703.41
3808061.91       18.64911  (09010519)
        464823.41   3808081.91       40.82987  (10020118)               464843.41
3808081.91       39.25345  (10102019)
        464863.41   3808081.91       38.02406  (10102019)               464883.41
3808081.91       36.88460  (10102019)
        464903.41   3808081.91       35.78535  (10102019)               464923.41
3808081.91       34.62900  (10102019)
        464943.41   3808081.91       33.47788  (10102019)               464963.41
3808081.91       32.34241  (10102019)
        464983.41   3808081.91       31.16561  (10102019)               465003.41
3808081.91       30.08017  (10102019)
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        465263.41   3808081.91   24.71700 (09010519)   465283.41
3808081.91   24.39976 (09010519)
        465303.41   3808081.91   24.09858 (09010519)   465323.41
3808081.91   23.79396 (09010519)
        465343.41   3808081.91   23.48795 (09010519)   465363.41
3808081.91   23.18998 (09010519)
        465383.41   3808081.91   22.90658 (09010519)   465403.41
3808081.91   22.62627 (09010519)
        465423.41   3808081.91   22.34342 (09010519)   465443.41

3808081.91 22.06928 (09010519)
465463.41 3808081.91 21.81793 (09010519) 465483.41
3808081.91 21.54950 (09010519)
465503.41 3808081.91 21.28204 (09010519) 465523.41
3808081.91 21.02036 (09010519)
465543.41 3808081.91 20.76395 (09010519) 465563.41
3808081.91 20.51948 (09010519)
465583.41 3808081.91 20.28053 (09010519) 465603.41
3808081.91 20.04547 (09010519)
465623.41 3808081.91 19.81426 (09010519) 465643.41
3808081.91 19.58606 (09010519)
465663.41 3808081.91 19.35453 (09010519) 465683.41
3808081.91 19.13516 (09010519)
465703.41 3808081.91 18.92068 (09010519) 464843.41
3808101.91 38.13256 (10102019)
464863.41 3808101.91 36.83765 (10102019) 464883.41
3808101.91 35.72941 (10102019)
464903.41 3808101.91 34.64733 (10102019) 464923.41
3808101.91 33.58892 (10102019)
464943.41 3808101.91 32.43709 (10102019) 464963.41
3808101.91 31.27576 (09010519)
464983.41 3808101.91 30.83006 (09010519) 465003.41
3808101.91 30.40674 (09010519)
465023.41 3808101.91 29.97383 (09010519) 465043.41
3808101.91 29.54396 (09010519)
465063.41 3808101.91 29.13737 (09010519) 465083.41
3808101.91 28.71754 (09010519)
465103.41 3808101.91 28.30328 (09010519) 465123.41
3808101.91 27.90363 (09010519)
465143.41 3808101.91 27.53129 (09010519) 465163.41
3808101.91 27.16077 (09010519)
465183.41 3808101.91 26.76755 (09010519) 465203.41
3808101.91 26.40086 (09010519)
465223.41 3808101.91 26.04095 (09010519) 465243.41
3808101.91 25.67080 (09010519)
465263.41 3808101.91 25.32461 (09010519) 465283.41
3808101.91 24.99183 (09010519)
465303.41 3808101.91 24.66217 (09010519) 465323.41
3808101.91 24.32333 (09010519)
465343.41 3808101.91 23.99330 (09010519) 465363.41
3808101.91 23.68138 (09010519)
465383.41 3808101.91 23.37633 (09010519) 465403.41
3808101.91 23.07693 (09010519)
465423.41 3808101.91 22.76311 (09010519) 465443.41
3808101.91 22.47035 (09010519)
465463.41 3808101.91 22.21490 (09010519) 465483.41
3808101.91 21.91765 (09010519)
465503.41 3808101.91 21.63868 (09010519) 465523.41
3808101.91 21.36629 (09010519)
465543.41 3808101.91 21.09010 (09010519) 465563.41

3808101.91   20.83169 (09010519)
       465583.41   3808101.91   20.57997 (09010519)   465603.41
3808101.91   20.33269 (09010519)
       465623.41   3808101.91   20.08979 (09010519)   465643.41
3808101.91   19.85162 (09010519)
       465663.41   3808101.91   19.61787 (09010519)   465683.41
3808101.91   19.38695 (09010519)
       465703.41   3808101.91   19.15955 (09010519)   464863.41
3808121.91   35.73752 (10102019)
       464883.41   3808121.91   34.62182 (10102019)   464903.41
3808121.91   33.89760 (09010519)
       464923.41   3808121.91   33.40796 (09010519)   464943.41
3808121.91   32.91918 (09010519)
       464963.41   3808121.91   32.43230 (09010519)   464983.41
3808121.91   31.94678 (09010519)
       465003.41   3808121.91   31.44500 (09010519)   465023.41
3808121.91   30.97041 (09010519)
       465043.41   3808121.91   30.50873 (09010519)   465063.41
3808121.91   30.03196 (09010519)
       465083.41   3808121.91   29.56841 (09010519)   465103.41
3808121.91   29.12195 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                 L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                 L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                 L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
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      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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        465123.41   3808121.91       28.70401  (09010519)               465143.41
3808121.91       28.29290  (09010519)
        465163.41   3808121.91       27.88754  (09010519)               465183.41
3808121.91       27.45945  (09010519)
        465203.41   3808121.91       27.04469  (09010519)               465223.41
3808121.91       26.63969  (09010519)
        465243.41   3808121.91       26.26345  (09010519)               465263.41
3808121.91       25.89747  (09010519)
        465283.41   3808121.91       25.53769  (09010519)               465303.41
3808121.91       25.16089  (09010519)
        465323.41   3808121.91       24.80710  (09010519)               465343.41
3808121.91       24.46651  (09010519)
        465363.41   3808121.91       24.11398  (09010519)               465383.41
3808121.91       23.78333  (09010519)
        465403.41   3808121.91       23.46653  (09010519)               465423.41
3808121.91       23.15301  (09010519)
        465443.41   3808121.91       22.84800  (09010519)               465463.41
3808121.91       22.55462  (09010519)
        465483.41   3808121.91       22.25861  (09010519)               465503.41
3808121.91       21.95954  (09010519)
        465523.41   3808121.91       21.66442  (09010519)               465543.41
3808121.91       21.38712  (09010519)
        465563.41   3808121.91       21.11934  (09010519)               465583.41
3808121.91       20.85504  (09010519)
        465603.41   3808121.91       20.59576  (09010519)               465623.41
3808121.91       20.34139  (09010519)
        465643.41   3808121.91       20.09315  (09010519)               465663.41
3808121.91       19.83713  (09010519)
        465683.41   3808121.91       19.59653  (09010519)               465703.41
3808121.91       19.36156  (09010519)
        464883.41   3808141.91       35.69667  (09010519)               464903.41
3808141.91       35.17657  (09010519)
        464923.41   3808141.91       34.63832  (09010519)               464943.41
3808141.91       34.08784  (09010519)
        464963.41   3808141.91       33.54685  (09010519)               464983.41
3808141.91       33.00908  (09010519)
        465003.41   3808141.91       32.44748  (09010519)               465023.41
3808141.91       31.92375  (09010519)
        465043.41   3808141.91       31.41813  (09010519)               465063.41
3808141.91       30.88995  (09010519)
        465083.41   3808141.91       30.38002  (09010519)               465103.41
3808141.91       29.90058  (09010519)
        465123.41   3808141.91       29.44438  (09010519)               465143.41
3808141.91       28.98897  (09010519)
        465163.41   3808141.91       28.53285  (09010519)               465183.41
3808141.91       28.08972  (09010519)
        465203.41   3808141.91       27.64575  (09010519)               465223.41
3808141.91       27.20739  (09010519)
        465243.41   3808141.91       26.80863  (09010519)               465263.41
3808141.91       26.40848  (09010519)
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        465283.41   3808141.91       26.00869  (09010519)                465303.41
3808141.91       25.62227  (09010519)
        465323.41   3808141.91       25.24460  (09010519)                465343.41
3808141.91       24.87276  (09010519)
        465363.41   3808141.91       24.50903  (09010519)                465383.41
3808141.91       24.16349  (09010519)
        465403.41   3808141.91       23.82777  (09010519)                465423.41
3808141.91       23.48771  (09010519)
        465443.41   3808141.91       23.16596  (09010519)                465463.41
3808141.91       22.85273  (09010519)
        465483.41   3808141.91       22.54620  (09010519)                465503.41
3808141.91       22.23985  (09010519)
        465523.41   3808141.91       21.93928  (09010519)                465543.41
3808141.91       21.64420  (09010519)
        465563.41   3808141.91       21.35871  (09010519)                465583.41
3808141.91       21.08338  (09010519)
        465603.41   3808141.91       20.81359  (09010519)                465623.41
3808141.91       20.54922  (09010519)
        465643.41   3808141.91       20.28865  (09010519)                465663.41
3808141.91       20.03238  (09010519)
        465683.41   3808141.91       19.77962  (09010519)                465703.41
3808141.91       19.53157  (09010519)
        464883.41   3808161.91       36.92112  (09010519)                464903.41
3808161.91       36.37186  (09010519)
        464923.41   3808161.91       35.79180  (09010519)                464943.41
3808161.91       35.17982  (09010519)
        464963.41   3808161.91       34.58080  (09010519)                464983.41
3808161.91       33.98916  (09010519)
        465003.41   3808161.91       33.38189  (09010519)                465023.41
3808161.91       32.80469  (09010519)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 776
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465043.41	3808161.91	32.24617	(09010519)	465063.41	3808161.91	31.67023	(09010519)
465083.41	3808161.91	31.12770	(09010519)	465103.41	3808161.91	30.61212	(09010519)
465123.41	3808161.91	30.11392	(09010519)	465143.41	3808161.91	29.60880	(09010519)
465163.41	3808161.91	29.11828	(09010519)	465183.41	3808161.91	28.65392	(09010519)
465203.41	3808161.91	28.18320	(09010519)	465223.41	3808161.91	27.72041	(09010519)
465243.41	3808161.91	27.29117	(09010519)	465263.41	3808161.91	26.85314	(09010519)
465283.41	3808161.91	26.42818	(09010519)	465303.41	3808161.91	26.02910	(09010519)
465323.41	3808161.91	25.62380	(09010519)	465343.41	3808161.91	25.22472	(09010519)
465363.41	3808161.91	24.85318	(09010519)	465383.41	3808161.91	24.49111	(09010519)
465403.41	3808161.91	24.13729	(09010519)	465423.41	3808161.91	23.77438	(09010519)
465443.41	3808161.91	23.43625	(09010519)	465463.41	3808161.91	23.10982	(09010519)
465483.41	3808161.91	22.78951	(09010519)	465503.41	3808161.91	22.47570	(09010519)
465523.41	3808161.91	22.16743	(09010519)	465543.41	3808161.91	21.85511	(09010519)
465563.41	3808161.91	21.56000	(09010519)	465583.41	3808161.91	21.27477	(09010519)
465603.41	3808161.91	20.99557	(09010519)	465623.41	3808161.91	20.71890	(09010519)
465643.41	3808161.91	20.45065	(09010519)	465663.41	3808161.91	20.18881	(09010519)
465683.41	3808161.91	19.92773	(09010519)	465703.41	3808161.91	19.66735	(09010519)
464903.41	3808181.91	37.45288	(09010519)	464923.41	3808181.91	36.81602	(09010519)
464943.41	3808181.91	36.14493	(09010519)	464963.41	3808181.91	35.49032	(09010519)
464983.41	3808181.91	34.85056	(09010519)	465003.41	3808181.91	34.22232	(09010519)
465023.41	3808181.91	33.58677	(09010519)	465043.41			

3808181.91   32.95720 (09010519)
       465063.41   3808181.91   32.35170 (09010519)   465083.41
3808181.91   31.78978 (09010519)
       465103.41   3808181.91   31.24468 (09010519)   465123.41
3808181.91   30.68095 (09010519)
       465143.41   3808181.91   30.15337 (09010519)   465163.41
3808181.91   29.64775 (09010519)
       465183.41   3808181.91   29.12486 (09010519)   465203.41
3808181.91   28.63500 (09010519)
       465223.41   3808181.91   28.16704 (09010519)   465243.41
3808181.91   27.68520 (09010519)
       465263.41   3808181.91   27.23536 (09010519)   465283.41
3808181.91   26.80253 (09010519)
       465303.41   3808181.91   26.35873 (09010519)   465323.41
3808181.91   25.94012 (09010519)
       465343.41   3808181.91   25.53866 (09010519)   465363.41
3808181.91   25.13017 (09010519)
       465383.41   3808181.91   24.74596 (09010519)   465403.41
3808181.91   24.38014 (09010519)
       465423.41   3808181.91   24.02068 (09010519)   465443.41
3808181.91   23.67428 (09010519)
       465463.41   3808181.91   23.33471 (09010519)   465483.41
3808181.91   22.98379 (09010519)
       465503.41   3808181.91   22.65715 (09010519)   465523.41
3808181.91   22.34107 (09010519)
       465543.41   3808181.91   22.03018 (09010519)   465563.41
3808181.91   21.72875 (09010519)
       465583.41   3808181.91   21.43400 (09010519)   465603.41
3808181.91   21.14578 (09010519)
       465623.41   3808181.91   20.85643 (09010519)   465643.41
3808181.91   20.56914 (09010519)
       465663.41   3808181.91   20.30041 (09010519)   465683.41
3808181.91   20.03605 (09010519)
       465703.41   3808181.91   19.77873 (09010519)   464923.41
3808201.91   37.68725 (09010519)
       464943.41   3808201.91   36.99030 (09010519)   464963.41
3808201.91   36.29316 (09010519)
       464983.41   3808201.91   35.60542 (09010519)   465003.41
3808201.91   34.93671 (09010519)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0006011   , L0006012

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, L0006013    , L0006014    , L0006015    ,
                L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465023.41   3808201.91       34.25266  (09010519)               465043.41
3808201.91       33.59067  (09010519)
        465063.41   3808201.91       32.96850  (09010519)               465083.41
3808201.91       32.36320  (09010519)
        465103.41   3808201.91       31.76200  (09010519)               465123.41
3808201.91       31.18279  (09010519)
        465143.41   3808201.91       30.62275  (09010519)               465163.41
3808201.91       30.07166  (09010519)
        465183.41   3808201.91       29.53662  (09010519)               465203.41
3808201.91       29.02059  (09010519)
        465223.41   3808201.91       28.51383  (09010519)               465243.41
3808201.91       28.02749  (09010519)
        465263.41   3808201.91       27.55310  (09010519)               465283.41
3808201.91       27.08898  (09010519)
        465303.41   3808201.91       26.63737  (09010519)               465323.41
3808201.91       26.19885  (09010519)
        465343.41   3808201.91       25.77556  (09010519)               465363.41
3808201.91       25.35954  (09010519)
        465383.41   3808201.91       24.96422  (09010519)               465403.41
3808201.91       24.57256  (09010519)
        465423.41   3808201.91       24.20429  (09010519)               465443.41
3808201.91       23.84496  (09010519)
        465463.41   3808201.91       23.49236  (09010519)               465483.41
3808201.91       23.14401  (09010519)
        465503.41   3808201.91       22.80807  (09010519)               465523.41
3808201.91       22.48277  (09010519)
        465543.41   3808201.91       22.16511  (09010519)               465563.41
3808201.91       21.84945  (09010519)
        465583.41   3808201.91       21.53983  (09010519)               465603.41
3808201.91       21.24447  (09010519)
        465623.41   3808201.91       20.94753  (09010519)               465643.41
3808201.91       20.66080  (09010519)
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        465663.41   3808201.91       20.38553  (09010519)               465683.41
3808201.91       20.11776  (09010519)
        465703.41   3808201.91       19.84425  (09010519)               464943.41
3808221.91       37.71481  (09010519)
        464963.41   3808221.91       36.98237  (09010519)               464983.41
3808221.91       36.24888  (09010519)
        465003.41   3808221.91       35.53753  (09010519)               465023.41
3808221.91       34.82418  (09010519)
        465043.41   3808221.91       34.14002  (09010519)               465063.41
3808221.91       33.48695  (09010519)
        465083.41   3808221.91       32.82393  (09010519)               465103.41
3808221.91       32.18249  (09010519)
        465123.41   3808221.91       31.59518  (09010519)               465143.41
3808221.91       30.99817  (09010519)
        465163.41   3808221.91       30.41170  (09010519)               465183.41
3808221.91       29.87041  (09010519)
        465203.41   3808221.91       29.32132  (09010519)               465223.41
3808221.91       28.79087  (09010519)
        465243.41   3808221.91       28.29589  (09010519)               465263.41
3808221.91       27.79547  (09010519)
        465283.41   3808221.91       27.30555  (09010519)               465303.41
3808221.91       26.85167  (09010519)
        465323.41   3808221.91       26.39585  (09010519)               465343.41
3808221.91       25.95066  (09010519)
        465363.41   3808221.91       25.53711  (09010519)               465383.41
3808221.91       25.11683  (09010519)
        465403.41   3808221.91       24.71426  (09010519)               465423.41
3808221.91       24.33571  (09010519)
        465443.41   3808221.91       23.96674  (09010519)               465463.41
3808221.91       23.60703  (09010519)
        465483.41   3808221.91       23.25629  (09010519)               465503.41
3808221.91       22.90915  (09010519)
        465523.41   3808221.91       22.57420  (09010519)               465543.41
3808221.91       22.24889  (09010519)
        465563.41   3808221.91       21.92434  (09010519)               465583.41
3808221.91       21.59998  (09010519)
        465603.41   3808221.91       21.29856  (09010519)               465623.41
3808221.91       21.00558  (09010519)
        465643.41   3808221.91       20.71817  (09010519)               465663.41
3808221.91       20.45591  (10032206)
        465683.41   3808221.91       20.19423  (10032206)               465703.41
3808221.91       19.93829  (10032206)
        464963.41   3808241.91       37.54964  (09010519)               464983.41
3808241.91       36.77497  (09010519)
        465003.41   3808241.91       36.02541  (09010519)               465023.41
3808241.91       35.29985  (09010519)
        465043.41   3808241.91       34.59112  (09010519)               465063.41
3808241.91       33.86674  (09010519)
1 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
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                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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3808241.91       22.44609  (10032206)
        465563.41   3808241.91       22.14329  (10032206)                465583.41
3808241.91       21.85187  (10032206)
        465603.41   3808241.91       21.56482  (10032206)                465623.41
3808241.91       21.27742  (10032206)
        465643.41   3808241.91       20.99039  (10032206)                465663.41
3808241.91       20.72271  (10032206)
        465683.41   3808241.91       20.45863  (10032206)                465703.41
3808241.91       20.20156  (10032206)
        464983.41   3808261.91       37.06212  (09010519)                465003.41
3808261.91       36.32314  (09010519)
        465023.41   3808261.91       35.58035  (09010519)                465043.41
3808261.91       34.84808  (09010519)
        465063.41   3808261.91       34.11428  (09010519)                465083.41
3808261.91       33.41084  (09010519)
        465103.41   3808261.91       32.72809  (09010519)                465123.41
3808261.91       32.06905  (09010519)
        465143.41   3808261.91       31.44383  (09010519)                465163.41
3808261.91       30.84723  (09010519)
        465183.41   3808261.91       30.25585  (09010519)                465203.41
3808261.91       29.67944  (09010519)
        465223.41   3808261.91       29.15330  (10032206)                465243.41
3808261.91       28.65681  (10032206)
        465263.41   3808261.91       28.18685  (10032206)                465283.41
3808261.91       27.73063  (10032206)
        465303.41   3808261.91       27.25595  (10032206)                465323.41
3808261.91       26.81272  (10032206)
        465343.41   3808261.91       26.38262  (10032206)                465363.41
3808261.91       25.96717  (10032206)
        465383.41   3808261.91       25.56483  (10032206)                465403.41
3808261.91       25.16945  (10032206)
        465423.41   3808261.91       24.79918  (10032206)                465443.41
3808261.91       24.43797  (10032206)
        465463.41   3808261.91       24.08604  (10032206)                465483.41
3808261.91       23.74208  (10032206)
        465503.41   3808261.91       23.39896  (10032206)                465523.41
3808261.91       23.06686  (10032206)
        465543.41   3808261.91       22.74743  (10032206)                465563.41
3808261.91       22.43252  (10032206)
        465583.41   3808261.91       22.11900  (10032206)                465603.41
3808261.91       21.82193  (10032206)
        465623.41   3808261.91       21.52562  (10032206)                465643.41
3808261.91       21.23607  (10032206)
        465663.41   3808261.91       20.94886  (10032206)                465683.41
3808261.91       20.67744  (10032206)
        465703.41   3808261.91       20.41122  (10032206)                465003.41
3808281.91       36.44110  (09010519)
        465023.41   3808281.91       35.71365  (10032206)                465043.41
3808281.91       35.03861  (10032206)
        465063.41   3808281.91       34.36308  (10032206)                465083.41
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3808281.91 33.72390 (10032206)
  465103.41 3808281.91 33.10320 (10032206) 465123.41
3808281.91 32.45721 (10032206)
  465143.41 3808281.91 31.86279 (10032206) 465163.41
3808281.91 31.29718 (10032206)
  465183.41 3808281.91 30.74069 (10032206) 465203.41
3808281.91 30.18086 (10032206)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 ,
L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 ,
L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 ,
L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465223.41	3808281.91	29.63510	(10032206)	465243.41	3808281.91	29.13563	(10032206)
465263.41	3808281.91	28.64474	(10032206)	465283.41	3808281.91	28.16174	(10032206)
465303.41	3808281.91	27.66567	(10032206)	465323.41	3808281.91	27.19757	(10032206)
465343.41	3808281.91	26.74491	(10032206)	465363.41	3808281.91	26.32479	(10032206)
465383.41	3808281.91	25.89816	(10032206)	465403.41	3808281.91	25.48739	(10032206)
465423.41	3808281.91	25.10167	(10032206)	465443.41	3808281.91	24.72608	(10032206)
465463.41	3808281.91	24.36438	(10032206)	465483.41	3808281.91	24.00866	(10032206)

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        465503.41   3808281.91       23.66173  (10032206)               465523.41
3808281.91       23.32345  (10032206)
        465543.41   3808281.91       22.99299  (10032206)               465563.41
3808281.91       22.65666  (10032206)
        465583.41   3808281.91       22.32997  (10032206)               465603.41
3808281.91       22.02434  (10032206)
        465623.41   3808281.91       21.72545  (10032206)               465643.41
3808281.91       21.42814  (10032206)
        465663.41   3808281.91       21.12953  (10032206)               465683.41
3808281.91       20.85375  (10032206)
        465703.41   3808281.91       20.57993  (10032206)               465003.41
3808301.91       37.01409  (10032206)
        465023.41   3808301.91       36.32129  (10032206)               465043.41
3808301.91       35.63746  (10032206)
        465063.41   3808301.91       34.88993  (10032206)               465083.41
3808301.91       34.23766  (10032206)
        465103.41   3808301.91       33.62219  (10032206)               465123.41
3808301.91       32.98462  (10032206)
        465143.41   3808301.91       32.37367  (10032206)               465163.41
3808301.91       31.77603  (10032206)
        465183.41   3808301.91       31.16098  (10032206)               465203.41
3808301.91       30.58912  (10032206)
        465223.41   3808301.91       30.04742  (10032206)               465243.41
3808301.91       29.52717  (10032206)
        465263.41   3808301.91       28.99946  (10032206)               465283.41
3808301.91       28.47462  (10032206)
        465303.41   3808301.91       27.96994  (10032206)               465323.41
3808301.91       27.49784  (10032206)
        465343.41   3808301.91       27.04769  (10032206)               465363.41
3808301.91       26.58607  (10032206)
        465383.41   3808301.91       26.15556  (10032206)               465403.41
3808301.91       25.74692  (10032206)
        465423.41   3808301.91       25.32511  (10032206)               465443.41
3808301.91       24.93264  (10032206)
        465463.41   3808301.91       24.59044  (10032206)               465483.41
3808301.91       24.22417  (10032206)
        465503.41   3808301.91       23.86724  (10032206)               465523.41
3808301.91       23.51865  (10032206)
        465543.41   3808301.91       23.16084  (10032206)               465563.41
3808301.91       22.82235  (10032206)
        465583.41   3808301.91       22.50037  (10032206)               465603.41
3808301.91       22.18702  (10032206)
        465623.41   3808301.91       21.87065  (10032206)               465643.41
3808301.91       21.56037  (10032206)
        465663.41   3808301.91       21.26691  (10032206)               465683.41
3808301.91       20.98113  (10032206)
        465703.41   3808301.91       20.69285  (10032206)               465043.41
3808321.91       36.05180  (10032206)
        465063.41   3808321.91       35.33536  (10032206)               465083.41
3808321.91       34.65975  (10032206)
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                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                  L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465423.41   3808321.91       25.49013  (10032206)                465443.41
3808321.91       25.09392  (10032206)
        465463.41   3808321.91       24.73110  (10032206)                465483.41
3808321.91       24.35745  (10032206)
        465503.41   3808321.91       23.99354  (10032206)                465523.41
```

3808321.91 23.63623 (10032206)
465543.41 3808321.91 23.27915 (10032206) 465563.41
3808321.91 22.94148 (10032206)
465583.41 3808321.91 22.61485 (10032206) 465603.41
3808321.91 22.28331 (10032206)
465623.41 3808321.91 21.96423 (10032206) 465643.41
3808321.91 21.65995 (10032206)
465663.41 3808321.91 21.35556 (10032206) 465683.41
3808321.91 21.06032 (10032206)
465703.41 3808321.91 20.77325 (10032206) 465083.41
3808341.91 34.94510 (10032206)
465103.41 3808341.91 34.25181 (10032206) 465123.41
3808341.91 33.59316 (10032206)
465143.41 3808341.91 32.94721 (10032206) 465163.41
3808341.91 32.31976 (10032206)
465183.41 3808341.91 31.71284 (10032206) 465203.41
3808341.91 31.11923 (10032206)
465223.41 3808341.91 30.53814 (10032206) 465243.41
3808341.91 29.95357 (10032206)
465263.41 3808341.91 29.39002 (10032206) 465283.41
3808341.91 28.84480 (10032206)
465303.41 3808341.91 28.34527 (10032206) 465323.41
3808341.91 27.83658 (10032206)
465343.41 3808341.91 27.35212 (10032206) 465363.41
3808341.91 26.90188 (10032206)
465383.41 3808341.91 26.44432 (10032206) 465403.41
3808341.91 25.99948 (10032206)
465423.41 3808341.91 25.58359 (10032206) 465443.41
3808341.91 25.18102 (10032206)
465463.41 3808341.91 24.79874 (10032206) 465483.41
3808341.91 24.41995 (10032206)
465503.41 3808341.91 24.05123 (10032206) 465523.41
3808341.91 23.69244 (10032206)
465543.41 3808341.91 23.33993 (10032206) 465563.41
3808341.91 22.99780 (10032206)
465583.41 3808341.91 22.66231 (10032206) 465603.41
3808341.91 22.32414 (10032206)
465623.41 3808341.91 22.01059 (10032206) 465643.41
3808341.91 21.69829 (10032206)
465663.41 3808341.91 21.38550 (10032206) 465683.41
3808341.91 21.09136 (10032206)
465703.41 3808341.91 20.80101 (10032206) 465103.41
3808361.91 34.35744 (10032206)
465123.41 3808361.91 33.72622 (10032206) 465143.41
3808361.91 33.08068 (10032206)
465163.41 3808361.91 32.44103 (10032206) 465183.41
3808361.91 31.82281 (10032206)
465203.41 3808361.91 31.19782 (10032206) 465223.41
3808361.91 30.58643 (10032206)
465243.41 3808361.91 30.02384 (10032206) 465263.41

3808361.91   29.46255 (10032206)
        465283.41   3808361.91   28.90825 (10032206)   465303.41
3808361.91   28.37175 (10032206)
        465323.41   3808361.91   27.86044 (10032206)   465343.41
3808361.91   27.35841 (10032206)
        465363.41   3808361.91   26.90413 (10032206)   465383.41
3808361.91   26.45859 (10032206)
        465403.41   3808361.91   26.02690 (10032206)   465423.41
3808361.91   25.58327 (10032206)
        465443.41   3808361.91   25.17230 (10032206)   465463.41
3808361.91   24.81532 (10032206)
        465483.41   3808361.91   24.43278 (10032206)   465503.41
3808361.91   24.06057 (10032206)
        465523.41   3808361.91   23.69734 (10032206)   465543.41
3808361.91   23.32421 (10032206)
        465563.41   3808361.91   22.97564 (10032206)   465583.41
3808361.91   22.64201 (10032206)
        465603.41   3808361.91   22.31403 (10032206)   465623.41
3808361.91   21.99559 (10032206)
        465643.41   3808361.91   21.67387 (10032206)   465663.41
3808361.91   21.37075 (10032206)
        465683.41   3808361.91   21.07046 (10032206)   465703.41
3808361.91   20.77423 (10032206)
        465183.41   3808381.91   31.73919 (10032206)   465203.41
3808381.91   31.12399 (10032206)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                 L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                 L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                 L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465223.41	3808381.91	30.52237	(10032206)	465243.41	3808381.91	29.94287	(10032206)
465263.41	3808381.91	29.37111	(10032206)	465283.41	3808381.91	28.82073	(10032206)
465303.41	3808381.91	28.29880	(10032206)	465323.41	3808381.91	27.78017	(10032206)
465343.41	3808381.91	27.28316	(10032206)	465363.41	3808381.91	26.82816	(10032206)
465383.41	3808381.91	26.38645	(10032206)	465403.41	3808381.91	25.95449	(10032206)
465423.41	3808381.91	25.52187	(10032206)	465443.41	3808381.91	25.12012	(10032206)
465463.41	3808381.91	24.74271	(10032206)	465483.41	3808381.91	24.35988	(10032206)
465503.41	3808381.91	23.98749	(10032206)	465523.41	3808381.91	23.62244	(10032206)
465543.41	3808381.91	23.25754	(10032206)	465563.41	3808381.91	22.91343	(10032206)
465583.41	3808381.91	22.57002	(10032206)	465603.41	3808381.91	22.24573	(10032206)
465623.41	3808381.91	21.92620	(10032206)	465643.41	3808381.91	21.61072	(10032206)
465663.41	3808381.91	21.30075	(10032206)	465683.41	3808381.91	20.99961	(10032206)
465703.41	3808381.91	20.72047	(10032206)	465303.41	3808401.91	28.11166	(10032206)
465323.41	3808401.91	27.60859	(10032206)	465343.41	3808401.91	27.12609	(10032206)
465363.41	3808401.91	26.67348	(10032206)	465383.41	3808401.91	26.23419	(10032206)
465403.41	3808401.91	25.80766	(10032206)	465423.41	3808401.91	25.39337	(10032206)
465443.41	3808401.91	24.99083	(10032206)	465463.41	3808401.91	24.60010	(10032206)
465483.41	3808401.91	24.21966	(10032206)	465503.41	3808401.91	23.84965	(10032206)
465523.41	3808401.91	23.48966	(10032206)	465543.41	3808401.91	23.13932	(10032206)
465563.41	3808401.91	22.78392	(10032206)	465583.41	3808401.91	22.43976	(10032206)
465603.41	3808401.91	22.11745	(10032206)	465623.41	3808401.91	21.80512	(10032206)
465643.41	3808401.91	21.49062	(10032206)	465663.41	3808401.91	21.17984	(10032206)
465683.41	3808401.91	20.89581	(10032206)	465703.41	3808401.91	20.60507	(10032206)

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        465323.41   3808421.91       27.34179  (10032206)                465343.41
3808421.91       26.87606  (10032206)
        465363.41   3808421.91       26.42910  (10032206)                465383.41
3808421.91       25.99531  (10032206)
        465403.41   3808421.91       25.57414  (10032206)                465423.41
3808421.91       25.16507  (10032206)
        465443.41   3808421.91       24.76761  (10032206)                465463.41
3808421.91       24.38131  (10032206)
        465483.41   3808421.91       24.00572  (10032206)                465503.41
3808421.91       23.64043  (10032206)
        465523.41   3808421.91       23.28504  (10032206)                465543.41
3808421.91       22.93918  (10032206)
        465563.41   3808421.91       22.60140  (10032206)                465583.41
3808421.91       22.26861  (10032206)
        465603.41   3808421.91       21.94936  (10032206)                465623.41
3808421.91       21.62961  (10032206)
        465643.41   3808421.91       21.31403  (10032206)                465663.41
3808421.91       21.01584  (10032206)
        465683.41   3808421.91       20.73094  (10032206)                465703.41
3808421.91       20.43455  (10032206)
        465323.41   3808441.91       26.99927  (10032206)                465343.41
3808441.91       26.55016  (10032206)
        465363.41   3808441.91       26.13238  (10032206)                465383.41
3808441.91       25.70678  (10032206)
        465403.41   3808441.91       25.29222  (10032206)                465423.41
3808441.91       24.88957  (10032206)
        465443.41   3808441.91       24.49835  (10032206)                465463.41
3808441.91       24.11809  (10032206)
        465483.41   3808441.91       23.74837  (10032206)                465503.41
3808441.91       23.38877  (10032206)
        465523.41   3808441.91       23.03892  (10032206)                465543.41
3808441.91       22.69844  (10032206)
        465563.41   3808441.91       22.36697  (10032206)                465583.41
3808441.91       22.04419  (10032206)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                   PAGE 782
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
                  L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                  L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
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L0006032 , L0006033 , L0006034 , L0006035 , L0006036
, L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
465603.41	3808441.91	21.72977	(10032206)	465623.41	3808441.91	21.41280	(10032206)
465643.41	3808441.91	21.11098	(10032206)	465663.41	3808441.91	20.81138	(10032206)
465683.41	3808441.91	20.51796	(10032206)	465703.41	3808441.91	20.23666	(10032206)
465343.41	3808461.91	26.16329	(10032206)	465363.41	3808461.91	25.74571	(10032206)
465383.41	3808461.91	25.34041	(10032206)	465403.41	3808461.91	24.94407	(10032206)
465423.41	3808461.91	24.55059	(10032206)	465443.41	3808461.91	24.16821	(10032206)
465463.41	3808461.91	23.79697	(10032206)	465483.41	3808461.91	23.43548	(10032206)
465503.41	3808461.91	23.08706	(10032206)	465523.41	3808461.91	22.74310	(10032206)
465543.41	3808461.91	22.40977	(10032206)	465563.41	3808461.91	22.08524	(10032206)
465583.41	3808461.91	21.76917	(10032206)	465603.41	3808461.91	21.46126	(10032206)
465623.41	3808461.91	21.15080	(10032206)	465643.41	3808461.91	20.85436	(10032206)
465663.41	3808461.91	20.54829	(10032206)	465683.41	3808461.91	20.26691	(10032206)
465703.41	3808461.91	19.99942	(10032206)	465343.41	3808481.91	25.67549	(10032206)
465363.41	3808481.91	25.26804	(10032206)	465383.41	3808481.91	24.88612	(10032206)
465403.41	3808481.91	24.50398	(10032206)	465423.41	3808481.91	24.12282	(10032206)
465443.41	3808481.91	23.75228	(10032206)	465463.41	3808481.91	23.39196	(10032206)
465483.41	3808481.91	23.04145	(10032206)	465503.41	3808481.91	22.71352	(10032206)
465523.41	3808481.91	22.39475	(10032206)	465543.41	3808481.91	22.07036	(10032206)
465563.41	3808481.91	21.75447	(10032206)	465583.41			

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3808481.91       21.44676  (10032206)
        465603.41   3808481.91       21.14693  (10032206)                465623.41
3808481.91       20.84443  (10032206)
        465643.41   3808481.91       20.55542  (10032206)                465663.41
3808481.91       20.25637  (10032206)
        465683.41   3808481.91       19.98148  (10032206)                465703.41
3808481.91       19.71797  (10032206)
        465463.41   3808501.91       23.70889  (09031319)                465483.41
3808501.91       23.27508  (09031319)
        465503.41   3808501.91       22.88449  (09031319)                465523.41
3808501.91       22.49663  (09031319)
        465543.41   3808501.91       22.11166  (09031319)                465563.41
3808501.91       21.74663  (09031319)
        465583.41   3808501.91       21.39016  (09031319)                465603.41
3808501.91       21.02229  (09031319)
        465623.41   3808501.91       20.66542  (09031319)                465643.41
3808501.91       20.33192  (09031319)
        465663.41   3808501.91       19.98147  (09031319)                465683.41
3808501.91       19.65940  (09031319)
        465703.41   3808501.91       19.40305  (10032206)                465523.41
3808521.91       23.17421  (09031319)
        465543.41   3808521.91       22.77980  (09031319)                465563.41
3808521.91       22.39869  (09031319)
        465583.41   3808521.91       22.04158  (09031319)                465603.41
3808521.91       21.65683  (09031319)
        465623.41   3808521.91       21.30828  (09031319)                465643.41
3808521.91       20.95447  (09031319)
        465663.41   3808521.91       20.60014  (09031319)                465683.41
3808521.91       20.27127  (09031319)
        465703.41   3808521.91       19.94438  (09031319)                464239.31
3809562.31       90.03751  (10022820)
        464277.31   3809562.31       89.96061  (09031705)                463745.31
3809591.37       68.19795  (09011307)
        463783.31   3809591.37       69.61072  (09041719)                463821.31
3809591.37       69.46176  (09041719)
        463859.31   3809591.37       72.68211  (09041719)                463897.31
3809591.37       82.61104  (09041719)
        463935.31   3809591.37       84.27914  (09041719)                464239.31
3809591.37       73.30707  (10022820)
        464277.31   3809591.37       72.49874  (09031705)                463745.31
3809620.43       59.01793  (09011307)
        463783.31   3809620.43       58.85188  (09011307)                463821.31
3809620.43       59.42546  (09011120)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 783
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0006011 , L0006012 , L0006013 , L0006014 , L0006015 , L0006016 , L0006017 , L0006018 , L0006019 , L0006020 , L0006021 , L0006022 , L0006023 , L0006024 , L0006025 , L0006026 , L0006027 , L0006028 , L0006029 , L0006030 , L0006031 , L0006032 , L0006033 , L0006034 , L0006035 , L0006036 , L0006037 , L0006038 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
463859.31	3809620.43	59.77559	(09011120)	463897.31	3809620.43	61.69431	(09041719)
463935.31	3809620.43	66.70722	(09041719)	463973.31	3809620.43	66.65791	(09041719)
464011.31	3809620.43	64.16606	(09041719)	464049.31	3809620.43	61.23754	(10010907)
464087.31	3809620.43	61.33616	(10022820)	464125.31	3809620.43	62.58367	(10022820)
464163.31	3809620.43	63.40990	(10022820)	464201.31	3809620.43	63.60934	(10022820)
464239.31	3809620.43	63.80363	(10022820)	464277.31	3809620.43	63.19664	(10022820)
463745.31	3809649.49	53.00012	(09011307)	463783.31	3809649.49	53.39821	(09011307)
463821.31	3809649.49	53.86917	(09011120)	463859.31	3809649.49	54.26244	(09011120)
463897.31	3809649.49	54.71431	(09011120)	463935.31	3809649.49	55.06246	(09011120)
463973.31	3809649.49	54.49396	(09011120)	464011.31	3809649.49	54.53691	(10010907)
464049.31	3809649.49	55.23564	(10010907)	464087.31	3809649.49	55.21366	(10010907)
464125.31	3809649.49	56.40811	(10022820)	464163.31	3809649.49	57.25983	(10022820)
464201.31	3809649.49	57.77128	(10022820)	464239.31	3809649.49	57.93673	(10022820)
464277.31	3809649.49	57.38242	(10022820)	464315.31	3809649.49	56.67467	(09031705)

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        464353.31   3809649.49       56.54179  (09040202)              464391.31
3809649.49       56.32156  (09040202)
        464429.31   3809649.49       55.49720  (09040202)              464467.31
3809649.49       54.47626  (09040202)
        464505.31   3809649.49       54.78024  (10011407)              463745.31
3809678.55       48.35549  (09011307)
        463783.31   3809678.55       48.96750  (09011307)              463821.31
3809678.55       50.05198  (09011120)
        463859.31   3809678.55       50.26606  (09011120)              463897.31
3809678.55       50.59134  (09011120)
        463935.31   3809678.55       50.97347  (09011120)              463973.31
3809678.55       50.49320  (09011120)
        464011.31   3809678.55       50.31385  (10010907)              464049.31
3809678.55       51.07912  (10010907)
        464087.31   3809678.55       51.30549  (10010907)              464125.31
3809678.55       52.05365  (10022820)
        464163.31   3809678.55       52.89834  (10022820)              464201.31
3809678.55       53.62775  (10022820)
        464239.31   3809678.55       53.58726  (10022820)              464277.31
3809678.55       53.23339  (10022820)
        464315.31   3809678.55       52.61214  (09031705)              464353.31
3809678.55       52.35583  (09040202)
        464391.31   3809678.55       52.21492  (09040202)              464429.31
3809678.55       51.54990  (09040202)
        464467.31   3809678.55       50.80532  (09040202)              464505.31
3809678.55       50.25582  (10011407)
        463745.31   3809707.61       45.06131  (09011307)              463783.31
3809707.61       45.47219  (09011307)
        463821.31   3809707.61       46.70237  (09011120)              463859.31
3809707.61       47.36272  (09011120)
        463897.31   3809707.61       47.49691  (09011120)              463935.31
3809707.61       47.67298  (09011120)
        463973.31   3809707.61       47.36042  (09011120)              464011.31
3809707.61       47.09414  (10010907)
        464049.31   3809707.61       47.90404  (10010907)              464087.31
3809707.61       48.13748  (10010907)
        464125.31   3809707.61       48.60938  (10022820)              464163.31
3809707.61       49.60917  (10022820)
        464201.31   3809707.61       50.12772  (10022820)              464239.31
3809707.61       50.33597  (10022820)
        464277.31   3809707.61       50.07037  (10022820)              464315.31
3809707.61       49.58850  (10022820)
        464353.31   3809707.61       49.02115  (09031705)              464391.31
3809707.61       48.97389  (09040202)
        464429.31   3809707.61       48.52790  (09040202)              464467.31
3809707.61       47.79120  (09040202)
        464505.31   3809707.61       47.01439  (09010420)              463745.31
3809736.67       42.67782  (09011307)
        463783.31   3809736.67       42.71351  (09011307)              463821.31
3809736.67       43.65082  (09011120)
```

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                  L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                  L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                  L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        463935.31   3809736.67   44.95023 (09011120)   463973.31
3809736.67   44.77348 (09011120)
        464011.31   3809736.67   44.67719 (10010907)   464049.31
3809736.67   45.30703 (10010907)
        464087.31   3809736.67   45.68203 (10010907)   464125.31
3809736.67   45.88690 (10022820)
        464163.31   3809736.67   46.90918 (10022820)   464201.31
3809736.67   47.45205 (10022820)
        464239.31   3809736.67   47.75923 (10022820)   464277.31
3809736.67   47.60440 (10022820)
        464315.31   3809736.67   47.07983 (10022820)   464353.31
3809736.67   46.65740 (09031705)
        464391.31   3809736.67   46.42939 (09040202)   464429.31
3809736.67   46.07073 (09040202)
        464467.31   3809736.67   45.55840 (09040202)   464505.31
3809736.67   44.68429 (09040202)
        463745.31   3809765.73   40.74074 (09011307)   463783.31
3809765.73   40.69662 (09011120)
        463821.31   3809765.73   41.41765 (09011120)   463859.31

```
3809765.73       42.15915  (09011120)
        463897.31   3809765.73       42.77329  (09011120)                463935.31
3809765.73       42.74689  (09011120)
        463973.31   3809765.73       42.33595  (09011120)                464011.31
3809765.73       42.44508  (10010907)
        464049.31   3809765.73       43.27822  (10010907)                464087.31
3809765.73       43.59299  (10010907)
        464125.31   3809765.73       43.59977  (10022820)                464163.31
3809765.73       44.61325  (10022820)
        464201.31   3809765.73       45.22067  (10022820)                464239.31
3809765.73       45.58817  (10022820)
        464277.31   3809765.73       45.53483  (10022820)                464315.31
3809765.73       45.06638  (10022820)
        464353.31   3809765.73       44.65532  (09031705)                464391.31
3809765.73       44.18822  (09040202)
        464429.31   3809765.73       44.11259  (09040202)                464467.31
3809765.73       43.70115  (09040202)
        464505.31   3809765.73       42.82514  (09040202)                463745.31
3809794.79       39.09237  (09011307)
        463783.31   3809794.79       38.88915  (09011120)                463821.31
3809794.79       39.52896  (09011120)
        463859.31   3809794.79       40.05163  (09011120)                463897.31
3809794.79       40.56789  (09011120)
        463935.31   3809794.79       40.54259  (09011120)                463973.31
3809794.79       40.26750  (09011120)
        464011.31   3809794.79       40.35334  (10010907)                464049.31
3809794.79       41.43506  (10010907)
        464087.31   3809794.79       41.79605  (10010907)                464125.31
3809794.79       41.77216  (10010907)
        464163.31   3809794.79       42.53973  (10022820)                464201.31
3809794.79       43.26715  (10022820)
        464239.31   3809794.79       43.61114  (10022820)                464277.31
3809794.79       43.65101  (10022820)
        464315.31   3809794.79       43.35364  (10022820)                464353.31
3809794.79       42.80034  (09031705)
        464391.31   3809794.79       42.39610  (09031705)                464429.31
3809794.79       42.38083  (09040202)
        464467.31   3809794.79       41.97625  (09040202)                464505.31
3809794.79       41.34023  (09040202)
        463745.31   3809823.85       37.65437  (09011307)                463783.31
3809823.85       37.34280  (09011120)
        463821.31   3809823.85       37.68082  (09011120)                463859.31
3809823.85       38.20220  (09011120)
        463897.31   3809823.85       38.55353  (09011120)                463935.31
3809823.85       38.52383  (09011120)
        463973.31   3809823.85       38.33559  (09011120)                464011.31
3809823.85       38.35342  (10010907)
        464049.31   3809823.85       39.53379  (10010907)                464087.31
3809823.85       40.14238  (10010907)
        464125.31   3809823.85       40.24770  (10010907)                464163.31
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0006011   , L0006012
, L0006013   , L0006014   , L0006015   ,
                L0006016   , L0006017   , L0006018   , L0006019   , L0006020
, L0006021   , L0006022   , L0006023   ,
                L0006024   , L0006025   , L0006026   , L0006027   , L0006028
, L0006029   , L0006030   , L0006031   ,
                L0006032   , L0006033   , L0006034   , L0006035   , L0006036
, L0006037   , L0006038   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        463783.31   3809852.91   36.19599 (09011120)   463821.31
3809852.91   36.25184 (09011120)
        463859.31   3809852.91   36.63789 (09011120)   463897.31
3809852.91   36.79232 (09011120)
        463935.31   3809852.91   36.75437 (09011120)   463973.31
3809852.91   36.59792 (09011120)
        464011.31   3809852.91   36.45202 (10010907)   464049.31
3809852.91   37.70651 (10010907)
        464087.31   3809852.91   38.44176 (10010907)   464125.31
3809852.91   38.64673 (10010907)

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        464163.31   3809852.91       38.92925  (10022820)              464201.31
3809852.91       39.69846  (10022820)
        464239.31   3809852.91       40.26045  (10022820)              464277.31
3809852.91       40.50093  (10022820)
        464315.31   3809852.91       40.37029  (10022820)              464353.31
3809852.91       39.95475  (10022820)
        464391.31   3809852.91       39.57219  (09031705)              464429.31
3809852.91       39.30458  (09040202)
        464467.31   3809852.91       39.12880  (09040202)              464505.31
3809852.91       38.67089  (09040202)
        463745.31   3809881.97       35.49527  (09011307)              463783.31
3809881.97       35.14790  (09011120)
        463821.31   3809881.97       35.16724  (09011120)              463859.31
3809881.97       35.34077  (09011120)
        463897.31   3809881.97       35.32508  (09011120)              463935.31
3809881.97       35.17685  (09011120)
        463973.31   3809881.97       35.08755  (09011120)              464011.31
3809881.97       34.86141  (10010907)
        464049.31   3809881.97       35.93827  (10010907)              464087.31
3809881.97       36.74467  (10010907)
        464125.31   3809881.97       37.12809  (10010907)              464163.31
3809881.97       37.19236  (10022820)
        464201.31   3809881.97       38.08300  (10022820)              464239.31
3809881.97       38.67038  (10022820)
        464277.31   3809881.97       39.01866  (10022820)              464315.31
3809881.97       39.09292  (10022820)
        464353.31   3809881.97       38.79056  (10022820)              464391.31
3809881.97       38.39971  (09031705)
        464429.31   3809881.97       37.96346  (09040202)              464467.31
3809881.97       37.86570  (09040202)
        464505.31   3809881.97       37.57392  (09040202)              463745.31
3809911.03       34.49749  (09011307)
        463783.31   3809911.03       34.11372  (09011120)              463821.31
3809911.03       34.21230  (09011120)
        463859.31   3809911.03       34.24816  (09011120)              463897.31
3809911.03       34.16529  (09011120)
        463935.31   3809911.03       33.91385  (09011120)              463973.31
3809911.03       33.72591  (09011120)
        464011.31   3809911.03       33.41058  (10010907)              464049.31
3809911.03       34.42870  (10010907)
        464087.31   3809911.03       35.18775  (10010907)              464125.31
3809911.03       35.61719  (10010907)
        464163.31   3809911.03       35.63245  (10022820)              464201.31
3809911.03       36.61677  (10022820)
        464239.31   3809911.03       37.24868  (10022820)              464277.31
3809911.03       37.71717  (10022820)
        464315.31   3809911.03       37.85479  (10022820)              464353.31
3809911.03       37.66855  (10022820)
        464391.31   3809911.03       37.24200  (09031705)              464429.31
3809911.03       36.87893  (09031705)
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3809940.09 35.63758 (09040202)
464505.31 3809940.09 35.45375 (09040202) 463745.31
3809969.15 32.94256 (09011307)
463783.31 3809969.15 32.42280 (09011120) 463821.31
3809969.15 32.42678 (09011120)
463859.31 3809969.15 32.38567 (09011120) 463897.31
3809969.15 32.26775 (09011120)
463935.31 3809969.15 32.01121 (09011120) 463973.31
3809969.15 31.68298 (09011120)
464011.31 3809969.15 31.05123 (09011120) 464049.31
3809969.15 31.61428 (10010907)
464087.31 3809969.15 32.30730 (10010907) 464125.31
3809969.15 32.89052 (10010907)
464163.31 3809969.15 33.20608 (10010907) 464201.31
3809969.15 34.01798 (10022820)
464239.31 3809969.15 34.93792 (10022820) 464277.31
3809969.15 35.41758 (10022820)
464315.31 3809969.15 35.68434 (10022820) 464353.31
3809969.15 35.70532 (10022820)
464391.31 3809969.15 35.38291 (10022820) 464429.31
3809969.15 35.01542 (09031705)
464467.31 3809969.15 34.56657 (09040202) 464505.31
3809969.15 34.53812 (09040202)
463745.31 3809998.21 32.80278 (09011307) 463783.31
3809998.21 32.00227 (09011120)
463821.31 3809998.21 31.78363 (09011120) 463859.31
3809998.21 31.64014 (09011120)
463897.31 3809998.21 31.48387 (09011120) 463935.31
3809998.21 31.16466 (09011120)
463973.31 3809998.21 30.80355 (09011120) 464011.31
3809998.21 30.20635 (09011120)
464049.31 3809998.21 30.61962 (10010907) 464087.31
3809998.21 31.21445 (10010907)
464125.31 3809998.21 31.82827 (10010907) 464163.31
3809998.21 32.17671 (10010907)
464201.31 3809998.21 32.76695 (10022820) 464239.31
3809998.21 33.73910 (10022820)
464277.31 3809998.21 34.40736 (10022820) 464315.31
3809998.21 34.70490 (10022820)
464353.31 3809998.21 34.78537 (10022820) 464391.31
3809998.21 34.53309 (10022820)
464429.31 3809998.21 34.10098 (09031705) 464467.31
3809998.21 33.75127 (09031705)
464505.31 3809998.21 33.59448 (09040202) 463745.31
3810027.27 32.68384 (09011307)
463783.31 3810027.27 31.79714 (09011120) 463821.31
3810027.27 31.34997 (09011120)
463859.31 3810027.27 31.06278 (09011120) 463897.31
3810027.27 30.84351 (09011120)
463935.31 3810027.27 30.41937 (09011120) 463973.31

3810027.27   30.04525 (09011120)
        464011.31   3810027.27   29.45722 (09011120)   464049.31
3810027.27   29.77394 (10010907)
        464087.31   3810027.27   30.24593 (10010907)   464125.31
3810027.27   30.75749 (10010907)
        464163.31   3810027.27   31.20148 (10010907)   464201.31
3810027.27   31.61305 (10022820)
        464239.31   3810027.27   32.55360 (10022820)   464277.31
3810027.27   33.31607 (10022820)
        464315.31   3810027.27   33.76835 (10022820)   464353.31
3810027.27   33.88967 (10022820)
        464391.31   3810027.27   33.70257 (10022820)   464429.31
3810027.27   33.28790 (09031705)
        464467.31   3810027.27   32.98340 (09031705)   464505.31
3810027.27   32.67273 (09040202)
        463745.31   3810056.33   32.57393 (09011307)   463783.31
3810056.33   31.64406 (09011120)
        463821.31   3810056.33   30.96237 (09011120)   463859.31
3810056.33   30.58544 (09011120)
        463897.31   3810056.33   30.24706 (09011120)   463935.31
3810056.33   29.80023 (09011120)
        463973.31   3810056.33   29.37643 (09011120)   464011.31
3810056.33   28.76322 (09011120)
        464049.31   3810056.33   28.92784 (10010907)   464087.31
3810056.33   29.38062 (10010907)
        464125.31   3810056.33   29.76915 (10010907)   464163.31
3810056.33   30.20342 (10010907)
        464201.31   3810056.33   30.43615 (10022820)   464239.31
3810056.33   31.46676 (10022820)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0006011   , L0006012 , L0006013   , L0006014   , L0006015   ,
                   L0006016   , L0006017   , L0006018   , L0006019   , L0006020 , L0006021   , L0006022   , L0006023   ,
                   L0006024   , L0006025   , L0006026   , L0006027   , L0006028 , L0006029   , L0006030   , L0006031   ,
                   L0006032   , L0006033   , L0006034   , L0006035   , L0006036 , L0006037   , L0006038   , . . .   ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
464277.31	3810056.33	32.22369	(10022820)	464315.31	3810056.33	32.77193	(10022820)
464353.31	3810056.33	33.06544	(10022820)	464391.31	3810056.33	32.97727	(10022820)
464429.31	3810056.33	32.58695	(10022820)	464467.31	3810056.33	32.19911	(09031705)
464505.31	3810056.33	31.80923	(09040202)	463745.31	3810085.39	32.49501	(09011120)
463783.31	3810085.39	31.50559	(09011120)	463821.31	3810085.39	30.68761	(09011120)
463859.31	3810085.39	30.15690	(09011120)	463897.31	3810085.39	29.72855	(09011120)
463935.31	3810085.39	29.27119	(09011120)	463973.31	3810085.39	28.77528	(09011120)
464011.31	3810085.39	28.09719	(09011120)	464049.31	3810085.39	28.08970	(10010907)
464087.31	3810085.39	28.54294	(10010907)	464125.31	3810085.39	28.91462	(10010907)
464163.31	3810085.39	29.25263	(10010907)	464201.31	3810085.39	29.43514	(10010907)
464239.31	3810085.39	30.35301	(10022820)	464277.31	3810085.39	31.18209	(10022820)
464315.31	3810085.39	31.79021	(10022820)	464353.31	3810085.39	32.12732	(10022820)
464391.31	3810085.39	32.16293	(10022820)	464429.31	3810085.39	31.83201	(10022820)
464467.31	3810085.39	31.43434	(09031705)	464505.31	3810085.39	30.99185	(09031705)
463745.31	3810114.45	32.15706	(09011120)	463783.31	3810114.45	31.45580	(09011120)
463821.31	3810114.45	30.53898	(09011120)	463859.31	3810114.45	29.96658	(09011120)
463897.31	3810114.45	29.35144	(09011120)	463935.31	3810114.45	28.80894	(09011120)
463973.31	3810114.45	28.20740	(09011120)	464011.31	3810114.45	27.50779	(09011120)
464049.31	3810114.45	27.38542	(10010907)	464087.31	3810114.45	27.76961	(10010907)
464125.31	3810114.45	28.06453	(10010907)	464163.31	3810114.45	28.31954	(10010907)
464201.31	3810114.45	28.48324	(10010907)	464239.31	3810114.45	29.29137	(10022820)

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        464277.31   3810114.45       30.18394  (10022820)               464315.31
3810114.45       30.74094  (10022820)
        464353.31   3810114.45       31.06791  (10022820)               464391.31
3810114.45       31.13398  (10022820)
        464429.31   3810114.45       30.99886  (10022820)               464467.31
3810114.45       30.55966  (09031705)
        464505.31   3810114.45       30.28320  (09031705)               463745.31
3810143.51       31.75117  (09011120)
        463783.31   3810143.51       31.12829  (09011120)               463821.31
3810143.51       30.59568  (09011120)
        463859.31   3810143.51       29.90008  (09011120)               463897.31
3810143.51       29.00093  (09011120)
        463935.31   3810143.51       28.30908  (09011120)               463973.31
3810143.51       27.59267  (09011120)
        464011.31   3810143.51       26.96262  (09011120)               464049.31
3810143.51       26.74988  (10010907)
        464087.31   3810143.51       27.00351  (10010907)               464125.31
3810143.51       27.28174  (10010907)
        464163.31   3810143.51       27.51948  (10010907)               464201.31
3810143.51       27.64829  (10010907)
        464239.31   3810143.51       28.17541  (10022820)               464277.31
3810143.51       29.19366  (10022820)
        464315.31   3810143.51       29.78143  (10022820)               464353.31
3810143.51       30.03179  (10022820)
        464391.31   3810143.51       30.20053  (10022820)               464429.31
3810143.51       30.09872  (10022820)
        464467.31   3810143.51       29.78849  (10022820)               464505.31
3810143.51       29.60368  (09031705)
        464383.78   3807479.29       93.10053  (09120417)               464355.03
3807405.24       88.72082  (09120417)
        464402.07   3807352.10       86.24603  (09120417)               464367.23
3807296.35       83.21319  (09031218)
        464358.52   3807237.99       80.68965  (09031218)               464385.52
3807161.33       76.76333  (09031218)
        463132.27   3810926.37       39.31359  (10011006)               463237.82
3811199.31       59.92321  (10011006)
        464944.35   3809244.89       37.50741  (10012420)               465700.32
3809255.46       23.15093  (10021420)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                  PAGE 788
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0006011    , L0006012
, L0006013    , L0006014    , L0006015    ,
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                L0006016    , L0006017    , L0006018    , L0006019    , L0006020
, L0006021    , L0006022    , L0006023    ,
                L0006024    , L0006025    , L0006026    , L0006027    , L0006028
, L0006029    , L0006030    , L0006031    ,
                L0006032    , L0006033    , L0006034    , L0006035    , L0006036
, L0006037    , L0006038    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465716.18   3808536.49       20.12966  (09031319)               465544.37
3808533.85       23.11542  (09031319)
        465420.13   3808486.27       24.08860  (10032206)               465348.77
3808491.56       25.84399  (09031319)
        465317.05   3808443.98       27.10465  (10032206)               465327.62
3808406.97       27.45257  (10032206)
        465108.23   3808369.97       34.20169  (10032206)               464999.86
3808301.24       37.12782  (10032206)
        464722.31   3807973.48       56.04142  (10020118)               464717.03
3807836.03       50.65421  (10020118)
        464344.33   3807936.47      110.80104  (09011918)               464349.61
3807780.52       64.80224  (09011918)
        464386.62   3807785.81       61.59520  (09011918)               464521.43
3807859.82       52.06665  (09030119)
        464537.28   3807719.72       68.80778  (09011918)               464426.27
3807613.99       97.15144  (09011918)
        464368.43   3807532.62       95.10643  (09120417)               464324.60
3807121.91       71.44057  (09031218)
        464123.31   3807123.54       78.45144  (09123118)               463930.13
3806909.26       61.76354  (09111519)
        463831.11   3806906.01       58.55980  (09111519)               463821.36
3806720.95       47.94910  (09111519)
        463727.21   3806727.44       43.22974  (10010717)               463598.97
3806334.59       38.49924  (09111519)
        463001.06   3806361.54       73.12089  (09032718)

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:42:19

                                  PAGE 789
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
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*** THE SUMMARY OF MAXIMUM PERIOD (16656 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
IDLE	1ST HIGHEST VALUE IS	1.09129 AT	(463783.31, 3809591.37, 1070.26, 1070.26, 0.00)	DC	
	2ND HIGHEST VALUE IS	1.09106 AT	(463859.31, 3809591.37, 1074.24, 1077.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	1.09102 AT	(463745.31, 3809591.37, 1069.00, 1069.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	1.09064 AT	(463897.31, 3809591.37, 1077.13, 1077.13, 0.00)	DC	
	5TH HIGHEST VALUE IS	1.08880 AT	(463821.31, 3809591.37, 1071.59, 1079.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	1.07968 AT	(463935.31, 3809591.37, 1079.03, 1079.03, 0.00)	DC	
	7TH HIGHEST VALUE IS	1.03825 AT	(463821.31, 3809620.43, 1070.56, 1070.56, 0.00)	DC	
	8TH HIGHEST VALUE IS	1.03680 AT	(463783.31, 3809620.43, 1068.57, 1068.57, 0.00)	DC	
	9TH HIGHEST VALUE IS	1.03677 AT	(463859.31, 3809620.43, 1072.59, 1072.59, 0.00)	DC	
	10TH HIGHEST VALUE IS	1.03547 AT	(463745.31, 3809620.43, 1067.08, 1067.08, 0.00)	DC	
TRUCK1I1	1ST HIGHEST VALUE IS	22.28985 AT	(464277.31, 3809562.31, 1074.49, 1074.49, 0.00)	DC	
	2ND HIGHEST VALUE IS	22.26524 AT	(464239.31, 3809562.31, 1075.08, 1075.08, 0.00)	DC	
	3RD HIGHEST VALUE IS	13.95362 AT	(464239.31, 3809591.37, 1074.74, 1074.74, 0.00)	DC	
	4TH HIGHEST VALUE IS	13.92320 AT	(464277.31, 3809591.37, 1074.06, 1074.06, 0.00)	DC	
	5TH HIGHEST VALUE IS	13.71329 AT	(463935.31, 3809591.37, 1079.03, 1079.03, 0.00)	DC	
	6TH HIGHEST VALUE IS	13.31510 AT	(463897.31, 3809591.37, 1077.13, 1077.13, 0.00)	DC	
	7TH HIGHEST VALUE IS	13.23548 AT	(463745.31, 3809591.37, 1069.00, 1069.00, 0.00)	DC	

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          8TH HIGHEST VALUE IS      13.16814 AT (  463783.31,  3809591.37,  1070.26,
 1070.26,    0.00)  DC
          9TH HIGHEST VALUE IS      12.95055 AT (  463821.31,  3809591.37,  1071.59,
 1079.00,    0.00)  DC
         10TH HIGHEST VALUE IS      12.93404 AT (  463859.31,  3809591.37,  1074.24,
 1077.00,    0.00)  DC

TRUCK1O   1ST HIGHEST VALUE IS       1.12024 AT (  464344.33,  3807936.47,  1104.00,
 1104.00,    0.00)  DC
          2ND HIGHEST VALUE IS       0.99826 AT (  463897.31,  3809591.37,  1077.13,
 1077.13,    0.00)  DC
          3RD HIGHEST VALUE IS       0.99592 AT (  463935.31,  3809591.37,  1079.03,
 1079.03,    0.00)  DC
          4TH HIGHEST VALUE IS       0.99229 AT (  463859.31,  3809591.37,  1074.24,
 1077.00,    0.00)  DC
          5TH HIGHEST VALUE IS       0.98485 AT (  463821.31,  3809591.37,  1071.59,
 1079.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.98225 AT (  463783.31,  3809591.37,  1070.26,
 1070.26,    0.00)  DC
          7TH HIGHEST VALUE IS       0.97780 AT (  463745.31,  3809591.37,  1069.00,
 1069.00,    0.00)  DC
          8TH HIGHEST VALUE IS       0.96136 AT (  464349.61,  3807780.52,  1095.52,
 1105.00,    0.00)  DC
          9TH HIGHEST VALUE IS       0.94994 AT (  463935.31,  3809620.43,  1077.51,
 1077.51,    0.00)  DC
         10TH HIGHEST VALUE IS       0.94981 AT (  463897.31,  3809620.43,  1075.19,
 1075.19,    0.00)  DC

TRUCK31   1ST HIGHEST VALUE IS       1.41364 AT (  463745.31,  3809591.37,  1069.00,
 1069.00,    0.00)  DC
          2ND HIGHEST VALUE IS       1.34962 AT (  463745.31,  3809620.43,  1067.08,
 1067.08,    0.00)  DC
          3RD HIGHEST VALUE IS       1.31785 AT (  463783.31,  3809591.37,  1070.26,
 1070.26,    0.00)  DC
          4TH HIGHEST VALUE IS       1.28363 AT (  463745.31,  3809649.49,  1064.99,
 1064.99,    0.00)  DC
          5TH HIGHEST VALUE IS       1.26434 AT (  463783.31,  3809620.43,  1068.57,
 1068.57,    0.00)  DC
          6TH HIGHEST VALUE IS       1.23200 AT (  463821.31,  3809591.37,  1071.59,
 1079.00,    0.00)  DC
          7TH HIGHEST VALUE IS       1.21445 AT (  463745.31,  3809678.55,  1062.39,
 1067.00,    0.00)  DC
          8TH HIGHEST VALUE IS       1.21287 AT (  463783.31,  3809649.49,  1067.35,
 1067.35,    0.00)  DC
          9TH HIGHEST VALUE IS       1.18952 AT (  463821.31,  3809620.43,  1070.56,
 1070.56,    0.00)  DC
         10TH HIGHEST VALUE IS       1.15916 AT (  463859.31,  3809591.37,  1074.24,
 1077.00,    0.00)  DC
*** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***       05/09/22
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*** THE SUMMARY OF MAXIMUM PERIOD (16656 HRS) RESULTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
TRUCK395	1ST HIGHEST VALUE IS	11.97482 AT	(463237.82, 3811199.31, 1062.00, 1062.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	5.16138 AT	(463132.27, 3810926.37, 1066.86, 1066.86, 0.00)	DC	
	3RD HIGHEST VALUE IS	1.45875 AT	(463745.31, 3810143.51, 1071.16, 1071.16, 0.00)	DC	
	4TH HIGHEST VALUE IS	1.44521 AT	(463745.31, 3810114.45, 1070.44, 1070.44, 0.00)	DC	
	5TH HIGHEST VALUE IS	1.43027 AT	(463745.31, 3810085.39, 1068.32, 1068.32, 0.00)	DC	
	6TH HIGHEST VALUE IS	1.39282 AT	(463745.31, 3810056.33, 1065.06, 1073.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	1.34202 AT	(463783.31, 3810143.51, 1066.81, 1071.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	1.33791 AT	(463745.31, 3810027.27, 1061.82, 1073.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	1.31612 AT	(463783.31, 3810114.45, 1064.94, 1072.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	1.28192 AT	(463745.31, 3809998.21, 1058.85, 1073.00, 0.00)	DC	
TRUCK3I1	1ST HIGHEST VALUE IS	1.21618 AT	(463001.06, 3806361.54, 1143.00, 1143.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.78969 AT	(463831.11, 3806906.01, 1120.40, 1122.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.75800 AT	(463727.21, 3806727.44, 1126.66, 1126.66, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.70778 AT	(462459.11, 3808501.66, 1108.51, 1108.51, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.69265 AT	(462421.43, 3808393.98, 1110.00,		

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 1110.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.67108 AT (  462437.58,  3808580.62,  1107.63,
 1107.63,    0.00)  DC
          7TH HIGHEST VALUE IS       0.64989 AT (  463930.13,  3806909.26,  1122.56,
 1122.56,    0.00)  DC
          8TH HIGHEST VALUE IS       0.61843 AT (  463821.36,  3806720.95,  1127.52,
 1127.52,    0.00)  DC
          9TH HIGHEST VALUE IS       0.58977 AT (  462654.73,  3809189.00,  1096.56,
 1096.56,    0.00)  DC
         10TH HIGHEST VALUE IS       0.58852 AT (  464123.31,  3807123.54,  1114.44,
 1114.44,    0.00)  DC

TRUCK43   1ST HIGHEST VALUE IS       0.83358 AT (  462654.73,  3809189.00,  1096.56,
 1096.56,    0.00)  DC
          2ND HIGHEST VALUE IS       0.69718 AT (  463745.31,  3809591.37,  1069.00,
 1069.00,    0.00)  DC
          3RD HIGHEST VALUE IS       0.69388 AT (  462559.49,  3809194.32,  1097.00,
 1097.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.67729 AT (  463783.31,  3809591.37,  1070.26,
 1070.26,    0.00)  DC
          5TH HIGHEST VALUE IS       0.66915 AT (  463745.31,  3809620.43,  1067.08,
 1067.08,    0.00)  DC
          6TH HIGHEST VALUE IS       0.65748 AT (  463821.31,  3809591.37,  1071.59,
 1079.00,    0.00)  DC
          7TH HIGHEST VALUE IS       0.65117 AT (  463783.31,  3809620.43,  1068.57,
 1068.57,    0.00)  DC
          8TH HIGHEST VALUE IS       0.64237 AT (  463745.31,  3809649.49,  1064.99,
 1064.99,    0.00)  DC
          9TH HIGHEST VALUE IS       0.64221 AT (  463859.31,  3809591.37,  1074.24,
 1077.00,    0.00)  DC
         10TH HIGHEST VALUE IS       0.63461 AT (  463821.31,  3809620.43,  1070.56,
 1070.56,    0.00)  DC

TRUCK9    1ST HIGHEST VALUE IS       1.03061 AT (  463745.31,  3809591.37,  1069.00,
 1069.00,    0.00)  DC
          2ND HIGHEST VALUE IS       1.01808 AT (  463783.31,  3809591.37,  1070.26,
 1070.26,    0.00)  DC
          3RD HIGHEST VALUE IS       1.00194 AT (  463821.31,  3809591.37,  1071.59,
 1079.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.98926 AT (  463859.31,  3809591.37,  1074.24,
 1077.00,    0.00)  DC
          5TH HIGHEST VALUE IS       0.97920 AT (  463745.31,  3809620.43,  1067.08,
 1067.08,    0.00)  DC
          6TH HIGHEST VALUE IS       0.97388 AT (  463897.31,  3809591.37,  1077.13,
 1077.13,    0.00)  DC
          7TH HIGHEST VALUE IS       0.96884 AT (  463783.31,  3809620.43,  1068.57,
 1068.57,    0.00)  DC
          8TH HIGHEST VALUE IS       0.95746 AT (  463821.31,  3809620.43,  1070.56,
 1070.56,    0.00)  DC
          9TH HIGHEST VALUE IS       0.94965 AT (  463935.31,  3809591.37,  1079.03,
```

*** THE SUMMARY OF MAXIMUM PERIOD (16656 HRS) RESULTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

GROUP ID	NETWORK AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	26.26824 AT (464239.31, 3809562.31, 1075.08, 1075.08, 0.00)	DC	
	2ND HIGHEST VALUE IS	26.12660 AT (464277.31, 3809562.31, 1074.49, 1074.49, 0.00)	DC	
	3RD HIGHEST VALUE IS	19.51564 AT (463745.31, 3809591.37, 1069.00, 1069.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	19.25562 AT (463783.31, 3809591.37, 1070.26, 1070.26, 0.00)	DC	
	5TH HIGHEST VALUE IS	19.13731 AT (463935.31, 3809591.37, 1079.03, 1079.03, 0.00)	DC	
	6TH HIGHEST VALUE IS	18.91506 AT (463897.31, 3809591.37, 1077.13, 1077.13, 0.00)	DC	
	7TH HIGHEST VALUE IS	18.85544 AT (463821.31, 3809591.37, 1071.59, 1079.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	18.68786 AT (463859.31, 3809591.37, 1074.24, 1077.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	17.86286 AT (464239.31, 3809591.37, 1074.74, 1074.74, 0.00)	DC	
	10TH HIGHEST VALUE IS	17.67011 AT (464277.31, 3809591.37, 1074.06, 1074.06, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
                     GP = GRIDPOLR
                     DC = DISCCART

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
IDLE HIGH 1ST HIGH VALUE IS	43.80399	ON 09011918:	AT (464344.33, 3807936.47, 1104.00, 1104.00, 0.00)	DC	
TRUCK1I1 HIGH 1ST HIGH VALUE IS	69.08712	ON 09010419:	AT (464239.31, 3809562.31, 1075.08, 1075.08, 0.00)	DC	
TRUCK1O HIGH 1ST HIGH VALUE IS	40.20234	ON 09011918:	AT (464344.33, 3807936.47, 1104.00, 1104.00, 0.00)	DC	
TRUCK31 HIGH 1ST HIGH VALUE IS	16.07040	ON 09123118:	AT (463727.21, 3806727.44, 1126.66, 1126.66, 0.00)	DC	
TRUCK395 HIGH 1ST HIGH VALUE IS	46.01884	ON 10021119:	AT (463237.82, 3811199.31, 1062.00, 1062.00, 0.00)	DC	
TRUCK3I1 HIGH 1ST HIGH VALUE IS	48.57399	ON 09032718:	AT (463001.06, 3806361.54, 1143.00, 1143.00, 0.00)	DC	
TRUCK43 HIGH 1ST HIGH VALUE IS	28.22991	ON 10021207:	AT (462301.19, 3807807.15, 1122.18, 1122.18, 0.00)	DC	
TRUCK9 HIGH 1ST HIGH VALUE IS	31.18729	ON 09011918:	AT (464383.78, 3807479.29, 1110.00, 1110.00, 0.00)	DC	
ALL HIGH 1ST HIGH VALUE IS	110.80104	ON 09011918:	AT (464344.33, 3807936.47, 1104.00, 1104.00, 0.00)	DC	

```
 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\HARP\I15
Industrial Park\I15 Industrial ***        05/09/22
 *** AERMET - VERSION  14134 ***   ***
                      ***        16:42:19

                                 PAGE 793
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            4 Warning Message(s)
 A Total of        14077 Informational Message(s)

 A Total of        16656 Hours Were Processed

 A Total of         1464 Calm Hours Identified

 A Total of        12613 Missing Hours Identified ( 75.73 Percent)

 CAUTION!:  Number of Missing Hours Exceeds 10 Percent of Total!
            Data May Not Be Acceptable for Regulatory Applications.
            See Section 5.3.2 of "Meteorological Monitoring Guidance
            for Regulatory Modeling Applications" (EPA-454/R-99-005).


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W441    1449        METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=
 09030309
 MX W441    1450        METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=
 09030310
 MX W441    1452        METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=
 09030312
 MX W441    1453        METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=
 09030313

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

HARP2 - HRACalc (dated 21081) 5/10/2022 2:13:20 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\Air Quality
Work\HARP2\POPLAR18OP\hra\30yrCancerCancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\dlarocca\Desktop\Air Quality
Work\HARP2\POPLAR18OP\hra\30yrCancerCancerRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v21081 5/10/2022 2:13:20 PM - Cancer Risk - Input File: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\POPLAR18OP\hra\30yrCancerHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
1	ALL		462160.6	3809378	4.73E-08	30YrCancer	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		462051.5	3809271	4.14E-08	30YrCancer	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		462014.5	3809029	3.10E-08	30YrCancer	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		462010.6	3808856	2.60E-08	30YrCancer	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		461936.6	3808887	2.42E-08	30YrCancer	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		461936.6	3808998	2.65E-08	30YrCancer	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		461909.3	3808768	2.07E-08	30YrCancer	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		461835.3	3808895	2.15E-08	30YrCancer	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		461845	3808996	2.36E-08	30YrCancer	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		461833.3	3809115	2.61E-08	30YrCancer	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		461843.1	3809210	3.09E-08	30YrCancer	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		461810	3809298	3.26E-08	30YrCancer	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		461856.7	3809386	3.47E-08	30YrCancer	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		461841.1	3809483	3.46E-08	30YrCancer	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		462004.7	3809380	4.01E-08	30YrCancer	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		461763.2	3808793	1.76E-08	30YrCancer	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		461753.5	3808700	1.71E-08	30YrCancer	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		461835.3	3808686	1.80E-08	30YrCancer	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		461823.6	3808579	1.66E-08	30YrCancer	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		461761.3	3808585	1.55E-08	30YrCancer	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		462301.2	3807807	2.55E-08	30YrCancer	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		462304.8	3807868	2.56E-08	30YrCancer	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		462216.8	3807883	2.21E-08	30YrCancer	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		462116.3	3807886	1.89E-08	30YrCancer	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		462114.6	3807789	1.82E-08	30YrCancer	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		462012.3	3807888	1.62E-08	30YrCancer	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		462008.7	3807976	1.70E-08	30YrCancer	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		461917.1	3807972	1.50E-08	30YrCancer	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		461922.5	3808188	1.74E-08	30YrCancer	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		461908.2	3808288	1.76E-08	30YrCancer	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		461848.9	3808378	1.67E-08	30YrCancer	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		461831	3808494	1.66E-08	30YrCancer	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		462421.4	3808394	3.73E-08	30YrCancer	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		462459.1	3808502	4.14E-08	30YrCancer	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		462437.6	3808581	4.11E-08	30YrCancer	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		462654.7	3809189	8.88E-08	30YrCancer	8.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		462559.5	3809194	7.66E-08	30YrCancer	7.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		465763.9	3807935	3.06E-08	30YrCancer	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		465819.8	3807935	2.94E-08	30YrCancer	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		465875.8	3807935	2.84E-08	30YrCancer	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		465931.8	3807935	2.74E-08	30YrCancer	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		465987.8	3807935	2.64E-08	30YrCancer	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

43	ALL	466043.8	3807935	2.55E-08	30YrCancer	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL	466099.7	3807935	2.47E-08	30YrCancer	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL	466155.7	3807935	2.39E-08	30YrCancer	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL	466211.7	3807935	2.32E-08	30YrCancer	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL	466267.7	3807935	2.25E-08	30YrCancer	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL	466323.7	3807935	2.19E-08	30YrCancer	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL	466379.6	3807935	2.13E-08	30YrCancer	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	466435.6	3807935	2.08E-08	30YrCancer	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	466491.6	3807935	2.02E-08	30YrCancer	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	466547.6	3807935	1.97E-08	30YrCancer	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	466603.6	3807935	1.92E-08	30YrCancer	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	466659.5	3807935	1.86E-08	30YrCancer	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	466715.5	3807935	1.81E-08	30YrCancer	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	466771.5	3807935	1.77E-08	30YrCancer	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	466827.5	3807935	1.72E-08	30YrCancer	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	466883.5	3807935	1.67E-08	30YrCancer	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	465763.9	3808001	3.18E-08	30YrCancer	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	465819.8	3808001	3.06E-08	30YrCancer	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	465875.8	3808001	2.95E-08	30YrCancer	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	465931.8	3808001	2.84E-08	30YrCancer	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	465987.8	3808001	2.74E-08	30YrCancer	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	466043.8	3808001	2.65E-08	30YrCancer	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	466099.7	3808001	2.56E-08	30YrCancer	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	466155.7	3808001	2.48E-08	30YrCancer	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	466211.7	3808001	2.40E-08	30YrCancer	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	466267.7	3808001	2.33E-08	30YrCancer	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	466323.7	3808001	2.26E-08	30YrCancer	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	466379.6	3808001	2.20E-08	30YrCancer	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	466435.6	3808001	2.14E-08	30YrCancer	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	466491.6	3808001	2.08E-08	30YrCancer	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	466547.6	3808001	2.02E-08	30YrCancer	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	466603.6	3808001	1.97E-08	30YrCancer	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	466659.5	3808001	1.92E-08	30YrCancer	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	466715.5	3808001	1.87E-08	30YrCancer	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	466771.5	3808001	1.82E-08	30YrCancer	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	466827.5	3808001	1.77E-08	30YrCancer	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	466883.5	3808001	1.72E-08	30YrCancer	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	465763.9	3808068	3.31E-08	30YrCancer	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	465819.8	3808068	3.19E-08	30YrCancer	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	465875.8	3808068	3.07E-08	30YrCancer	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	465931.8	3808068	2.95E-08	30YrCancer	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	465987.8	3808068	2.85E-08	30YrCancer	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	466043.8	3808068	2.75E-08	30YrCancer	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	466099.7	3808068	2.66E-08	30YrCancer	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

87	ALL	466155.7	3808068	2.57E-08	30YrCancer	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	466211.7	3808068	2.49E-08	30YrCancer	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	466267.7	3808068	2.42E-08	30YrCancer	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	466323.7	3808068	2.35E-08	30YrCancer	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	466379.6	3808068	2.28E-08	30YrCancer	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	466435.6	3808068	2.21E-08	30YrCancer	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	466491.6	3808068	2.15E-08	30YrCancer	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	466547.6	3808068	2.09E-08	30YrCancer	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	466603.6	3808068	2.03E-08	30YrCancer	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	466659.5	3808068	1.98E-08	30YrCancer	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	466715.5	3808068	1.93E-08	30YrCancer	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	466771.5	3808068	1.87E-08	30YrCancer	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	466827.5	3808068	1.82E-08	30YrCancer	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	466883.5	3808068	1.76E-08	30YrCancer	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	465763.9	3808134	3.46E-08	30YrCancer	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	465819.8	3808134	3.32E-08	30YrCancer	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	465875.8	3808134	3.19E-08	30YrCancer	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	465931.8	3808134	3.08E-08	30YrCancer	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	465987.8	3808134	2.96E-08	30YrCancer	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	466043.8	3808134	2.86E-08	30YrCancer	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	466099.7	3808134	2.76E-08	30YrCancer	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	466155.7	3808134	2.67E-08	30YrCancer	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	466211.7	3808134	2.59E-08	30YrCancer	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	466267.7	3808134	2.51E-08	30YrCancer	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	466323.7	3808134	2.43E-08	30YrCancer	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	466379.6	3808134	2.36E-08	30YrCancer	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	466435.6	3808134	2.29E-08	30YrCancer	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	466491.6	3808134	2.22E-08	30YrCancer	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	466547.6	3808134	2.16E-08	30YrCancer	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	466603.6	3808134	2.10E-08	30YrCancer	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	466659.5	3808134	2.04E-08	30YrCancer	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	466715.5	3808134	1.98E-08	30YrCancer	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	466771.5	3808134	1.92E-08	30YrCancer	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	466827.5	3808134	1.87E-08	30YrCancer	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	466883.5	3808134	1.81E-08	30YrCancer	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	465763.9	3808200	3.62E-08	30YrCancer	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	465819.8	3808200	3.47E-08	30YrCancer	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	465875.8	3808200	3.33E-08	30YrCancer	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	465931.8	3808200	3.20E-08	30YrCancer	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	465987.8	3808200	3.08E-08	30YrCancer	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	466043.8	3808200	2.97E-08	30YrCancer	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	466099.7	3808200	2.87E-08	30YrCancer	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	466155.7	3808200	2.78E-08	30YrCancer	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	466211.7	3808200	2.69E-08	30YrCancer	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

131	ALL	466267.7	3808200	2.60E-08	30YrCancer	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	466323.7	3808200	2.52E-08	30YrCancer	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	466379.6	3808200	2.44E-08	30YrCancer	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	466435.6	3808200	2.36E-08	30YrCancer	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	466491.6	3808200	2.29E-08	30YrCancer	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	466547.6	3808200	2.23E-08	30YrCancer	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	466603.6	3808200	2.16E-08	30YrCancer	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	466659.5	3808200	2.10E-08	30YrCancer	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	466715.5	3808200	2.04E-08	30YrCancer	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	466771.5	3808200	1.97E-08	30YrCancer	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	466827.5	3808200	1.91E-08	30YrCancer	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	466883.5	3808200	1.86E-08	30YrCancer	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	465763.9	3808266	3.78E-08	30YrCancer	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	465819.8	3808266	3.62E-08	30YrCancer	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	465875.8	3808266	3.47E-08	30YrCancer	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	465931.8	3808266	3.34E-08	30YrCancer	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	465987.8	3808266	3.21E-08	30YrCancer	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	466043.8	3808266	3.09E-08	30YrCancer	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	466099.7	3808266	2.99E-08	30YrCancer	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	466155.7	3808266	2.89E-08	30YrCancer	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	466211.7	3808266	2.79E-08	30YrCancer	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	466267.7	3808266	2.70E-08	30YrCancer	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	466323.7	3808266	2.61E-08	30YrCancer	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	466379.6	3808266	2.52E-08	30YrCancer	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	466435.6	3808266	2.44E-08	30YrCancer	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	466491.6	3808266	2.37E-08	30YrCancer	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	466547.6	3808266	2.30E-08	30YrCancer	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	466603.6	3808266	2.23E-08	30YrCancer	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	466659.5	3808266	2.16E-08	30YrCancer	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	466715.5	3808266	2.09E-08	30YrCancer	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	466771.5	3808266	2.03E-08	30YrCancer	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	466827.5	3808266	1.96E-08	30YrCancer	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	466883.5	3808266	1.90E-08	30YrCancer	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	465763.9	3808333	3.94E-08	30YrCancer	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	465819.8	3808333	3.77E-08	30YrCancer	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	465875.8	3808333	3.61E-08	30YrCancer	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	465931.8	3808333	3.47E-08	30YrCancer	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	465987.8	3808333	3.34E-08	30YrCancer	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	466043.8	3808333	3.22E-08	30YrCancer	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	466099.7	3808333	3.11E-08	30YrCancer	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	466155.7	3808333	2.99E-08	30YrCancer	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	466211.7	3808333	2.89E-08	30YrCancer	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	466267.7	3808333	2.79E-08	30YrCancer	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	466323.7	3808333	2.69E-08	30YrCancer	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

175	ALL	466379.6	3808333	2.60E-08	30YrCancer	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	466435.6	3808333	2.52E-08	30YrCancer	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	466491.6	3808333	2.44E-08	30YrCancer	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	466547.6	3808333	2.36E-08	30YrCancer	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	466603.6	3808333	2.29E-08	30YrCancer	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	466659.5	3808333	2.22E-08	30YrCancer	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	466715.5	3808333	2.15E-08	30YrCancer	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	466771.5	3808333	2.08E-08	30YrCancer	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	466827.5	3808333	2.01E-08	30YrCancer	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	466883.5	3808333	1.95E-08	30YrCancer	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	465763.9	3808399	4.11E-08	30YrCancer	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	465819.8	3808399	3.92E-08	30YrCancer	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	465875.8	3808399	3.75E-08	30YrCancer	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	465931.8	3808399	3.60E-08	30YrCancer	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	465987.8	3808399	3.47E-08	30YrCancer	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	466043.8	3808399	3.34E-08	30YrCancer	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	466099.7	3808399	3.22E-08	30YrCancer	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	466155.7	3808399	3.10E-08	30YrCancer	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	466211.7	3808399	2.98E-08	30YrCancer	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	466267.7	3808399	2.87E-08	30YrCancer	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	466323.7	3808399	2.78E-08	30YrCancer	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	466379.6	3808399	2.68E-08	30YrCancer	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	466435.6	3808399	2.59E-08	30YrCancer	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	466491.6	3808399	2.51E-08	30YrCancer	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	466547.6	3808399	2.43E-08	30YrCancer	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	466603.6	3808399	2.35E-08	30YrCancer	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	466659.5	3808399	2.27E-08	30YrCancer	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	466715.5	3808399	2.20E-08	30YrCancer	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	466771.5	3808399	2.13E-08	30YrCancer	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	466827.5	3808399	2.06E-08	30YrCancer	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	466883.5	3808399	1.99E-08	30YrCancer	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	465763.9	3808465	4.26E-08	30YrCancer	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	465819.8	3808465	4.07E-08	30YrCancer	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	465875.8	3808465	3.90E-08	30YrCancer	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	465931.8	3808465	3.74E-08	30YrCancer	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	465987.8	3808465	3.59E-08	30YrCancer	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	466043.8	3808465	3.45E-08	30YrCancer	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	466099.7	3808465	3.32E-08	30YrCancer	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	466155.7	3808465	3.19E-08	30YrCancer	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	466211.7	3808465	3.07E-08	30YrCancer	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	466267.7	3808465	2.96E-08	30YrCancer	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	466323.7	3808465	2.86E-08	30YrCancer	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	466379.6	3808465	2.76E-08	30YrCancer	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	466435.6	3808465	2.67E-08	30YrCancer	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

219	ALL	466491.6	3808465	2.58E-08	30YrCancer	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	466547.6	3808465	2.49E-08	30YrCancer	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	466603.6	3808465	2.40E-08	30YrCancer	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	466659.5	3808465	2.32E-08	30YrCancer	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	466715.5	3808465	2.25E-08	30YrCancer	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	466771.5	3808465	2.17E-08	30YrCancer	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	466827.5	3808465	2.10E-08	30YrCancer	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	466883.5	3808465	2.04E-08	30YrCancer	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	465763.9	3808531	4.40E-08	30YrCancer	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	465819.8	3808531	4.21E-08	30YrCancer	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	465875.8	3808531	4.03E-08	30YrCancer	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	465931.8	3808531	3.87E-08	30YrCancer	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	465987.8	3808531	3.70E-08	30YrCancer	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	466043.8	3808531	3.55E-08	30YrCancer	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	466099.7	3808531	3.41E-08	30YrCancer	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	466155.7	3808531	3.28E-08	30YrCancer	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	466211.7	3808531	3.16E-08	30YrCancer	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	466267.7	3808531	3.04E-08	30YrCancer	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	466323.7	3808531	2.93E-08	30YrCancer	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	466379.6	3808531	2.83E-08	30YrCancer	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	466435.6	3808531	2.73E-08	30YrCancer	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	466491.6	3808531	2.63E-08	30YrCancer	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	466547.6	3808531	2.54E-08	30YrCancer	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	466603.6	3808531	2.45E-08	30YrCancer	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	466659.5	3808531	2.37E-08	30YrCancer	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	466715.5	3808531	2.29E-08	30YrCancer	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	466771.5	3808531	2.21E-08	30YrCancer	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	466827.5	3808531	2.14E-08	30YrCancer	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	466883.5	3808531	2.08E-08	30YrCancer	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	465763.9	3808597	4.53E-08	30YrCancer	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	465819.8	3808597	4.32E-08	30YrCancer	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	465875.8	3808597	4.14E-08	30YrCancer	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	465931.8	3808597	3.97E-08	30YrCancer	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	465987.8	3808597	3.80E-08	30YrCancer	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	466043.8	3808597	3.64E-08	30YrCancer	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	466099.7	3808597	3.50E-08	30YrCancer	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	466155.7	3808597	3.36E-08	30YrCancer	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	466211.7	3808597	3.23E-08	30YrCancer	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	466267.7	3808597	3.12E-08	30YrCancer	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	466323.7	3808597	3.00E-08	30YrCancer	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	466379.6	3808597	2.89E-08	30YrCancer	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	466435.6	3808597	2.79E-08	30YrCancer	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	466491.6	3808597	2.69E-08	30YrCancer	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	466547.6	3808597	2.59E-08	30YrCancer	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

263	ALL	466603.6	3808597	2.50E-08	30YrCancer	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	466659.5	3808597	2.41E-08	30YrCancer	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	466715.5	3808597	2.33E-08	30YrCancer	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	466771.5	3808597	2.25E-08	30YrCancer	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	466827.5	3808597	2.18E-08	30YrCancer	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	466883.5	3808597	2.11E-08	30YrCancer	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	465763.9	3808664	4.64E-08	30YrCancer	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	465819.8	3808664	4.43E-08	30YrCancer	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	465875.8	3808664	4.23E-08	30YrCancer	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	465931.8	3808664	4.05E-08	30YrCancer	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	465987.8	3808664	3.87E-08	30YrCancer	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	466043.8	3808664	3.72E-08	30YrCancer	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	466099.7	3808664	3.57E-08	30YrCancer	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	466155.7	3808664	3.43E-08	30YrCancer	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	466211.7	3808664	3.30E-08	30YrCancer	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	466267.7	3808664	3.17E-08	30YrCancer	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	466323.7	3808664	3.06E-08	30YrCancer	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	466379.6	3808664	2.94E-08	30YrCancer	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	466435.6	3808664	2.84E-08	30YrCancer	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	466491.6	3808664	2.73E-08	30YrCancer	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	466547.6	3808664	2.63E-08	30YrCancer	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	466603.6	3808664	2.54E-08	30YrCancer	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	466659.5	3808664	2.45E-08	30YrCancer	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	466715.5	3808664	2.37E-08	30YrCancer	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	466771.5	3808664	2.29E-08	30YrCancer	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	466827.5	3808664	2.22E-08	30YrCancer	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	466883.5	3808664	2.15E-08	30YrCancer	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	465763.9	3808730	4.73E-08	30YrCancer	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	465819.8	3808730	4.50E-08	30YrCancer	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	465875.8	3808730	4.31E-08	30YrCancer	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	465931.8	3808730	4.12E-08	30YrCancer	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	465987.8	3808730	3.95E-08	30YrCancer	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	466043.8	3808730	3.79E-08	30YrCancer	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	466099.7	3808730	3.64E-08	30YrCancer	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	466155.7	3808730	3.50E-08	30YrCancer	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	466211.7	3808730	3.36E-08	30YrCancer	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	466267.7	3808730	3.22E-08	30YrCancer	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	466323.7	3808730	3.10E-08	30YrCancer	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	466379.6	3808730	2.98E-08	30YrCancer	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	466435.6	3808730	2.87E-08	30YrCancer	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	466491.6	3808730	2.77E-08	30YrCancer	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	466547.6	3808730	2.67E-08	30YrCancer	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	466603.6	3808730	2.57E-08	30YrCancer	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	466659.5	3808730	2.49E-08	30YrCancer	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

307	ALL	466715.5	3808730	2.40E-08	30YrCancer	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	466771.5	3808730	2.32E-08	30YrCancer	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	466827.5	3808730	2.25E-08	30YrCancer	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	466883.5	3808730	2.18E-08	30YrCancer	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	465763.9	3808796	4.80E-08	30YrCancer	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	465819.8	3808796	4.57E-08	30YrCancer	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	465875.8	3808796	4.37E-08	30YrCancer	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	465931.8	3808796	4.18E-08	30YrCancer	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	465987.8	3808796	4.01E-08	30YrCancer	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	466043.8	3808796	3.84E-08	30YrCancer	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	466099.7	3808796	3.70E-08	30YrCancer	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	466155.7	3808796	3.55E-08	30YrCancer	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	466211.7	3808796	3.40E-08	30YrCancer	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	466267.7	3808796	3.27E-08	30YrCancer	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	466323.7	3808796	3.14E-08	30YrCancer	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	466379.6	3808796	3.02E-08	30YrCancer	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	466435.6	3808796	2.91E-08	30YrCancer	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	466491.6	3808796	2.80E-08	30YrCancer	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	466547.6	3808796	2.70E-08	30YrCancer	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	466603.6	3808796	2.61E-08	30YrCancer	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	466659.5	3808796	2.52E-08	30YrCancer	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	466715.5	3808796	2.43E-08	30YrCancer	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	466771.5	3808796	2.35E-08	30YrCancer	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	466827.5	3808796	2.27E-08	30YrCancer	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	466883.5	3808796	2.20E-08	30YrCancer	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	465763.9	3808862	4.86E-08	30YrCancer	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	465819.8	3808862	4.64E-08	30YrCancer	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	465875.8	3808862	4.43E-08	30YrCancer	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	465931.8	3808862	4.23E-08	30YrCancer	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	465987.8	3808862	4.06E-08	30YrCancer	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	466043.8	3808862	3.90E-08	30YrCancer	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	466099.7	3808862	3.74E-08	30YrCancer	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	466155.7	3808862	3.58E-08	30YrCancer	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	466211.7	3808862	3.43E-08	30YrCancer	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	466267.7	3808862	3.30E-08	30YrCancer	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	466323.7	3808862	3.17E-08	30YrCancer	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	ALL	466379.6	3808862	3.05E-08	30YrCancer	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	466435.6	3808862	2.93E-08	30YrCancer	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	466491.6	3808862	2.83E-08	30YrCancer	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	466547.6	3808862	2.73E-08	30YrCancer	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	466603.6	3808862	2.63E-08	30YrCancer	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	466659.5	3808862	2.54E-08	30YrCancer	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	466715.5	3808862	2.46E-08	30YrCancer	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	466771.5	3808862	2.37E-08	30YrCancer	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

351	ALL	466827.5	3808862	2.30E-08	30YrCancer	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	466883.5	3808862	2.22E-08	30YrCancer	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	465763.9	3808928	4.91E-08	30YrCancer	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	465819.8	3808928	4.69E-08	30YrCancer	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	465875.8	3808928	4.48E-08	30YrCancer	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	465931.8	3808928	4.29E-08	30YrCancer	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	465987.8	3808928	4.10E-08	30YrCancer	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	466043.8	3808928	3.93E-08	30YrCancer	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	466099.7	3808928	3.76E-08	30YrCancer	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	466155.7	3808928	3.61E-08	30YrCancer	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	466211.7	3808928	3.46E-08	30YrCancer	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	466267.7	3808928	3.32E-08	30YrCancer	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	466323.7	3808928	3.19E-08	30YrCancer	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	466379.6	3808928	3.07E-08	30YrCancer	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	466435.6	3808928	2.96E-08	30YrCancer	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	466491.6	3808928	2.85E-08	30YrCancer	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	466547.6	3808928	2.75E-08	30YrCancer	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	466603.6	3808928	2.65E-08	30YrCancer	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	466659.5	3808928	2.56E-08	30YrCancer	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	466715.5	3808928	2.48E-08	30YrCancer	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	466771.5	3808928	2.39E-08	30YrCancer	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	466827.5	3808928	2.32E-08	30YrCancer	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	466883.5	3808928	2.24E-08	30YrCancer	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	465763.9	3808995	4.93E-08	30YrCancer	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	465819.8	3808995	4.70E-08	30YrCancer	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	465875.8	3808995	4.49E-08	30YrCancer	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	465931.8	3808995	4.30E-08	30YrCancer	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	465987.8	3808995	4.13E-08	30YrCancer	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	466043.8	3808995	3.95E-08	30YrCancer	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	466099.7	3808995	3.78E-08	30YrCancer	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	466155.7	3808995	3.62E-08	30YrCancer	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	466211.7	3808995	3.48E-08	30YrCancer	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	466267.7	3808995	3.34E-08	30YrCancer	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	466323.7	3808995	3.21E-08	30YrCancer	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	466379.6	3808995	3.09E-08	30YrCancer	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	466435.6	3808995	2.97E-08	30YrCancer	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	466491.6	3808995	2.87E-08	30YrCancer	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	466547.6	3808995	2.77E-08	30YrCancer	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	466603.6	3808995	2.67E-08	30YrCancer	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	466659.5	3808995	2.58E-08	30YrCancer	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	466715.5	3808995	2.50E-08	30YrCancer	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	466771.5	3808995	2.41E-08	30YrCancer	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	466827.5	3808995	2.33E-08	30YrCancer	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	466883.5	3808995	2.26E-08	30YrCancer	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

395	ALL	465763.9	3809061	4.95E-08	30YrCancer	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	465819.8	3809061	4.72E-08	30YrCancer	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	465875.8	3809061	4.51E-08	30YrCancer	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	465931.8	3809061	4.31E-08	30YrCancer	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	465987.8	3809061	4.13E-08	30YrCancer	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	466043.8	3809061	3.96E-08	30YrCancer	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	466099.7	3809061	3.79E-08	30YrCancer	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	466155.7	3809061	3.64E-08	30YrCancer	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	466211.7	3809061	3.49E-08	30YrCancer	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	466267.7	3809061	3.35E-08	30YrCancer	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	466323.7	3809061	3.22E-08	30YrCancer	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	466379.6	3809061	3.10E-08	30YrCancer	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	466435.6	3809061	2.99E-08	30YrCancer	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	466491.6	3809061	2.88E-08	30YrCancer	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	466547.6	3809061	2.78E-08	30YrCancer	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	466603.6	3809061	2.69E-08	30YrCancer	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	466659.5	3809061	2.60E-08	30YrCancer	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	466715.5	3809061	2.51E-08	30YrCancer	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	466771.5	3809061	2.43E-08	30YrCancer	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	466827.5	3809061	2.35E-08	30YrCancer	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	466883.5	3809061	2.28E-08	30YrCancer	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	465763.9	3809127	4.97E-08	30YrCancer	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	465819.8	3809127	4.74E-08	30YrCancer	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	465875.8	3809127	4.53E-08	30YrCancer	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	465931.8	3809127	4.33E-08	30YrCancer	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	465987.8	3809127	4.15E-08	30YrCancer	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	466043.8	3809127	3.96E-08	30YrCancer	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	466099.7	3809127	3.79E-08	30YrCancer	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	466155.7	3809127	3.63E-08	30YrCancer	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	466211.7	3809127	3.50E-08	30YrCancer	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	466267.7	3809127	3.37E-08	30YrCancer	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	466323.7	3809127	3.24E-08	30YrCancer	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	466379.6	3809127	3.11E-08	30YrCancer	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	466435.6	3809127	3.00E-08	30YrCancer	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	466491.6	3809127	2.89E-08	30YrCancer	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	466547.6	3809127	2.79E-08	30YrCancer	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	ALL	466603.6	3809127	2.70E-08	30YrCancer	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	466659.5	3809127	2.61E-08	30YrCancer	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	466715.5	3809127	2.52E-08	30YrCancer	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	466771.5	3809127	2.44E-08	30YrCancer	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	466827.5	3809127	2.36E-08	30YrCancer	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	466883.5	3809127	2.29E-08	30YrCancer	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	465763.9	3809193	4.98E-08	30YrCancer	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	465819.8	3809193	4.76E-08	30YrCancer	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

439	ALL	465875.8	3809193	4.55E-08	30YrCancer	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	465931.8	3809193	4.35E-08	30YrCancer	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	465987.8	3809193	4.15E-08	30YrCancer	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	466043.8	3809193	3.95E-08	30YrCancer	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	466099.7	3809193	3.79E-08	30YrCancer	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	466155.7	3809193	3.63E-08	30YrCancer	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	466211.7	3809193	3.50E-08	30YrCancer	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	466267.7	3809193	3.37E-08	30YrCancer	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	466323.7	3809193	3.24E-08	30YrCancer	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	466379.6	3809193	3.13E-08	30YrCancer	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	466435.6	3809193	3.01E-08	30YrCancer	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	466491.6	3809193	2.90E-08	30YrCancer	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	466547.6	3809193	2.80E-08	30YrCancer	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	466603.6	3809193	2.71E-08	30YrCancer	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	466659.5	3809193	2.62E-08	30YrCancer	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	466715.5	3809193	2.53E-08	30YrCancer	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	466771.5	3809193	2.45E-08	30YrCancer	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	466827.5	3809193	2.37E-08	30YrCancer	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	466883.5	3809193	2.30E-08	30YrCancer	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	465763.9	3809260	4.98E-08	30YrCancer	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	465819.8	3809260	4.76E-08	30YrCancer	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	465875.8	3809260	4.54E-08	30YrCancer	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	465931.8	3809260	4.34E-08	30YrCancer	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	465987.8	3809260	4.14E-08	30YrCancer	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	466043.8	3809260	3.96E-08	30YrCancer	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	466099.7	3809260	3.78E-08	30YrCancer	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	466155.7	3809260	3.64E-08	30YrCancer	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	466211.7	3809260	3.50E-08	30YrCancer	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	466267.7	3809260	3.38E-08	30YrCancer	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	466323.7	3809260	3.25E-08	30YrCancer	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	466379.6	3809260	3.13E-08	30YrCancer	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	466435.6	3809260	3.02E-08	30YrCancer	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	466491.6	3809260	2.91E-08	30YrCancer	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	466547.6	3809260	2.81E-08	30YrCancer	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	466603.6	3809260	2.72E-08	30YrCancer	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	466659.5	3809260	2.63E-08	30YrCancer	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	466715.5	3809260	2.54E-08	30YrCancer	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	466771.5	3809260	2.46E-08	30YrCancer	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	466827.5	3809260	2.38E-08	30YrCancer	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	466883.5	3809260	2.31E-08	30YrCancer	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	464503.4	3807142	3.25E-08	30YrCancer	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	464523.4	3807142	3.23E-08	30YrCancer	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	464543.4	3807142	3.19E-08	30YrCancer	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	464563.4	3807142	3.14E-08	30YrCancer	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

483	ALL	464583.4	3807142	3.12E-08	30YrCancer	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	464603.4	3807142	3.07E-08	30YrCancer	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	464623.4	3807142	3.03E-08	30YrCancer	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	464643.4	3807142	2.99E-08	30YrCancer	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	464663.4	3807142	2.94E-08	30YrCancer	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	464683.4	3807142	2.89E-08	30YrCancer	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	464703.4	3807142	2.85E-08	30YrCancer	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	464723.4	3807142	2.85E-08	30YrCancer	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	464743.4	3807142	2.78E-08	30YrCancer	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	464763.4	3807142	2.73E-08	30YrCancer	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	464783.4	3807142	2.67E-08	30YrCancer	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	464803.4	3807142	2.61E-08	30YrCancer	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	464823.4	3807142	2.58E-08	30YrCancer	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	464843.4	3807142	2.55E-08	30YrCancer	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	464863.4	3807142	2.49E-08	30YrCancer	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	464883.4	3807142	2.44E-08	30YrCancer	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	464903.4	3807142	2.41E-08	30YrCancer	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	464923.4	3807142	2.40E-08	30YrCancer	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	464503.4	3807162	3.30E-08	30YrCancer	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	464523.4	3807162	3.28E-08	30YrCancer	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	464543.4	3807162	3.23E-08	30YrCancer	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	464563.4	3807162	3.18E-08	30YrCancer	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	464583.4	3807162	3.16E-08	30YrCancer	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	464603.4	3807162	3.13E-08	30YrCancer	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	464623.4	3807162	3.09E-08	30YrCancer	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	464643.4	3807162	3.03E-08	30YrCancer	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	464663.4	3807162	2.99E-08	30YrCancer	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	464683.4	3807162	2.95E-08	30YrCancer	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	464703.4	3807162	2.89E-08	30YrCancer	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	464723.4	3807162	2.88E-08	30YrCancer	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	464743.4	3807162	2.81E-08	30YrCancer	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	464763.4	3807162	2.78E-08	30YrCancer	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	464783.4	3807162	2.73E-08	30YrCancer	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	464803.4	3807162	2.66E-08	30YrCancer	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	464823.4	3807162	2.62E-08	30YrCancer	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	464843.4	3807162	2.57E-08	30YrCancer	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	464863.4	3807162	2.51E-08	30YrCancer	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	464883.4	3807162	2.49E-08	30YrCancer	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	464903.4	3807162	2.46E-08	30YrCancer	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	464923.4	3807162	2.43E-08	30YrCancer	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	464503.4	3807182	3.37E-08	30YrCancer	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	464523.4	3807182	3.33E-08	30YrCancer	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	464543.4	3807182	3.29E-08	30YrCancer	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	464563.4	3807182	3.25E-08	30YrCancer	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

527	ALL	464583.4	3807182	3.20E-08	30YrCancer	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	464603.4	3807182	3.17E-08	30YrCancer	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	464623.4	3807182	3.14E-08	30YrCancer	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	464643.4	3807182	3.07E-08	30YrCancer	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	464663.4	3807182	3.03E-08	30YrCancer	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	464683.4	3807182	3.04E-08	30YrCancer	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	464703.4	3807182	2.97E-08	30YrCancer	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	464723.4	3807182	2.92E-08	30YrCancer	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	464743.4	3807182	2.87E-08	30YrCancer	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	464763.4	3807182	2.82E-08	30YrCancer	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	464783.4	3807182	2.78E-08	30YrCancer	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	464803.4	3807182	2.72E-08	30YrCancer	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	464823.4	3807182	2.68E-08	30YrCancer	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	464843.4	3807182	2.62E-08	30YrCancer	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	464863.4	3807182	2.56E-08	30YrCancer	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	464883.4	3807182	2.53E-08	30YrCancer	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	464903.4	3807182	2.51E-08	30YrCancer	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	464923.4	3807182	2.48E-08	30YrCancer	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	464503.4	3807202	3.45E-08	30YrCancer	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	464523.4	3807202	3.39E-08	30YrCancer	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	464543.4	3807202	3.35E-08	30YrCancer	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	464563.4	3807202	3.32E-08	30YrCancer	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	464583.4	3807202	3.26E-08	30YrCancer	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	464603.4	3807202	3.21E-08	30YrCancer	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	464623.4	3807202	3.18E-08	30YrCancer	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	464643.4	3807202	3.11E-08	30YrCancer	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	464663.4	3807202	3.06E-08	30YrCancer	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	464683.4	3807202	3.07E-08	30YrCancer	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	464703.4	3807202	3.01E-08	30YrCancer	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	464723.4	3807202	2.96E-08	30YrCancer	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	464743.4	3807202	2.94E-08	30YrCancer	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	464763.4	3807202	2.87E-08	30YrCancer	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	464783.4	3807202	2.81E-08	30YrCancer	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	464803.4	3807202	2.75E-08	30YrCancer	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	464823.4	3807202	2.73E-08	30YrCancer	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	464843.4	3807202	2.69E-08	30YrCancer	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	464863.4	3807202	2.64E-08	30YrCancer	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	464883.4	3807202	2.58E-08	30YrCancer	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	464903.4	3807202	2.56E-08	30YrCancer	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	464923.4	3807202	2.55E-08	30YrCancer	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	464503.4	3807222	3.50E-08	30YrCancer	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	464523.4	3807222	3.44E-08	30YrCancer	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	464543.4	3807222	3.40E-08	30YrCancer	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	464563.4	3807222	3.37E-08	30YrCancer	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

571	ALL	464583.4	3807222	3.33E-08	30YrCancer	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	464603.4	3807222	3.28E-08	30YrCancer	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	464623.4	3807222	3.21E-08	30YrCancer	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	464643.4	3807222	3.18E-08	30YrCancer	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	464663.4	3807222	3.12E-08	30YrCancer	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	464683.4	3807222	3.11E-08	30YrCancer	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	464703.4	3807222	3.07E-08	30YrCancer	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	464723.4	3807222	3.02E-08	30YrCancer	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	464743.4	3807222	2.97E-08	30YrCancer	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	464763.4	3807222	2.90E-08	30YrCancer	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	464783.4	3807222	2.85E-08	30YrCancer	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	464803.4	3807222	2.82E-08	30YrCancer	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	464823.4	3807222	2.77E-08	30YrCancer	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	464843.4	3807222	2.74E-08	30YrCancer	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	464863.4	3807222	2.72E-08	30YrCancer	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	464883.4	3807222	2.66E-08	30YrCancer	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	464903.4	3807222	2.62E-08	30YrCancer	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	464923.4	3807222	2.58E-08	30YrCancer	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	464503.4	3807242	3.56E-08	30YrCancer	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	464523.4	3807242	3.51E-08	30YrCancer	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	464543.4	3807242	3.46E-08	30YrCancer	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	464563.4	3807242	3.41E-08	30YrCancer	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	464583.4	3807242	3.38E-08	30YrCancer	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	464603.4	3807242	3.32E-08	30YrCancer	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	464623.4	3807242	3.25E-08	30YrCancer	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	464643.4	3807242	3.21E-08	30YrCancer	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	464663.4	3807242	3.23E-08	30YrCancer	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	464683.4	3807242	3.17E-08	30YrCancer	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	464703.4	3807242	3.12E-08	30YrCancer	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	464723.4	3807242	3.07E-08	30YrCancer	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	464743.4	3807242	3.00E-08	30YrCancer	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	464763.4	3807242	2.95E-08	30YrCancer	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	464783.4	3807242	2.90E-08	30YrCancer	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	464803.4	3807242	2.87E-08	30YrCancer	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	464823.4	3807242	2.83E-08	30YrCancer	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	464843.4	3807242	2.80E-08	30YrCancer	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	464863.4	3807242	2.76E-08	30YrCancer	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	464883.4	3807242	2.71E-08	30YrCancer	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	464903.4	3807242	2.67E-08	30YrCancer	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	464923.4	3807242	2.65E-08	30YrCancer	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	464503.4	3807262	3.61E-08	30YrCancer	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	464523.4	3807262	3.58E-08	30YrCancer	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	464543.4	3807262	3.52E-08	30YrCancer	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	464563.4	3807262	3.45E-08	30YrCancer	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

615	ALL	464583.4	3807262	3.42E-08	30YrCancer	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	464603.4	3807262	3.36E-08	30YrCancer	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	464623.4	3807262	3.30E-08	30YrCancer	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	464643.4	3807262	3.25E-08	30YrCancer	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	464663.4	3807262	3.27E-08	30YrCancer	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	464683.4	3807262	3.26E-08	30YrCancer	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	464703.4	3807262	3.17E-08	30YrCancer	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	464723.4	3807262	3.10E-08	30YrCancer	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	464743.4	3807262	3.04E-08	30YrCancer	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	464763.4	3807262	3.00E-08	30YrCancer	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	464783.4	3807262	2.96E-08	30YrCancer	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	464803.4	3807262	2.91E-08	30YrCancer	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	464823.4	3807262	2.89E-08	30YrCancer	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	464843.4	3807262	2.86E-08	30YrCancer	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	464863.4	3807262	2.81E-08	30YrCancer	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	464883.4	3807262	2.75E-08	30YrCancer	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	464903.4	3807262	2.74E-08	30YrCancer	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	464923.4	3807262	2.76E-08	30YrCancer	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	464503.4	3807282	3.66E-08	30YrCancer	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	464523.4	3807282	3.63E-08	30YrCancer	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	464543.4	3807282	3.57E-08	30YrCancer	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	464563.4	3807282	3.49E-08	30YrCancer	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	464583.4	3807282	3.46E-08	30YrCancer	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	464603.4	3807282	3.42E-08	30YrCancer	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	464623.4	3807282	3.37E-08	30YrCancer	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	464643.4	3807282	3.29E-08	30YrCancer	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	464663.4	3807282	3.30E-08	30YrCancer	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	464683.4	3807282	3.29E-08	30YrCancer	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	464703.4	3807282	3.20E-08	30YrCancer	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	464723.4	3807282	3.15E-08	30YrCancer	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	464743.4	3807282	3.11E-08	30YrCancer	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	464763.4	3807282	3.05E-08	30YrCancer	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	464783.4	3807282	3.02E-08	30YrCancer	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	464803.4	3807282	2.99E-08	30YrCancer	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	464823.4	3807282	2.94E-08	30YrCancer	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	464843.4	3807282	2.92E-08	30YrCancer	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	464863.4	3807282	2.91E-08	30YrCancer	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	464883.4	3807282	2.85E-08	30YrCancer	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	464903.4	3807282	2.85E-08	30YrCancer	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	464923.4	3807282	2.86E-08	30YrCancer	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	464503.4	3807302	3.74E-08	30YrCancer	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	464523.4	3807302	3.69E-08	30YrCancer	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	464543.4	3807302	3.63E-08	30YrCancer	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	464563.4	3807302	3.57E-08	30YrCancer	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

659	ALL	464583.4	3807302	3.51E-08	30YrCancer	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	464603.4	3807302	3.46E-08	30YrCancer	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	464623.4	3807302	3.47E-08	30YrCancer	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	464643.4	3807302	3.39E-08	30YrCancer	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	464663.4	3807302	3.33E-08	30YrCancer	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	464683.4	3807302	3.32E-08	30YrCancer	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	464703.4	3807302	3.23E-08	30YrCancer	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	464723.4	3807302	3.18E-08	30YrCancer	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	464743.4	3807302	3.17E-08	30YrCancer	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	464763.4	3807302	3.12E-08	30YrCancer	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	464783.4	3807302	3.08E-08	30YrCancer	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	464803.4	3807302	3.04E-08	30YrCancer	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	ALL	464823.4	3807302	2.97E-08	30YrCancer	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	464843.4	3807302	2.95E-08	30YrCancer	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	464863.4	3807302	2.97E-08	30YrCancer	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	464883.4	3807302	2.95E-08	30YrCancer	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	464903.4	3807302	2.93E-08	30YrCancer	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	464923.4	3807302	2.96E-08	30YrCancer	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	464503.4	3807322	3.83E-08	30YrCancer	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	464523.4	3807322	3.74E-08	30YrCancer	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	464543.4	3807322	3.69E-08	30YrCancer	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	464563.4	3807322	3.64E-08	30YrCancer	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	464583.4	3807322	3.56E-08	30YrCancer	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	464603.4	3807322	3.50E-08	30YrCancer	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	464623.4	3807322	3.51E-08	30YrCancer	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	464643.4	3807322	3.42E-08	30YrCancer	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	464663.4	3807322	3.36E-08	30YrCancer	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL	464683.4	3807322	3.35E-08	30YrCancer	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	464703.4	3807322	3.27E-08	30YrCancer	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	464723.4	3807322	3.22E-08	30YrCancer	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	ALL	464743.4	3807322	3.20E-08	30YrCancer	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	464763.4	3807322	3.19E-08	30YrCancer	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	464783.4	3807322	3.14E-08	30YrCancer	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	464803.4	3807322	3.07E-08	30YrCancer	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	464823.4	3807322	3.02E-08	30YrCancer	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	464843.4	3807322	3.00E-08	30YrCancer	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	464863.4	3807322	3.03E-08	30YrCancer	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	464883.4	3807322	3.03E-08	30YrCancer	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	464903.4	3807322	3.05E-08	30YrCancer	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	464923.4	3807322	3.00E-08	30YrCancer	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	464503.4	3807342	3.88E-08	30YrCancer	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	464523.4	3807342	3.79E-08	30YrCancer	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	464543.4	3807342	3.73E-08	30YrCancer	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	464563.4	3807342	3.69E-08	30YrCancer	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

703	ALL	464583.4	3807342	3.59E-08	30YrCancer	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	464603.4	3807342	3.53E-08	30YrCancer	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	464623.4	3807342	3.54E-08	30YrCancer	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	464643.4	3807342	3.45E-08	30YrCancer	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	464663.4	3807342	3.39E-08	30YrCancer	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	464683.4	3807342	3.38E-08	30YrCancer	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	464703.4	3807342	3.34E-08	30YrCancer	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	464723.4	3807342	3.28E-08	30YrCancer	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	464743.4	3807342	3.23E-08	30YrCancer	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	464763.4	3807342	3.22E-08	30YrCancer	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	464783.4	3807342	3.17E-08	30YrCancer	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	464803.4	3807342	3.11E-08	30YrCancer	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	464823.4	3807342	3.10E-08	30YrCancer	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	464843.4	3807342	3.13E-08	30YrCancer	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	464863.4	3807342	3.13E-08	30YrCancer	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	464883.4	3807342	3.09E-08	30YrCancer	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	ALL	464903.4	3807342	3.09E-08	30YrCancer	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	464923.4	3807342	3.06E-08	30YrCancer	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	464503.4	3807362	3.94E-08	30YrCancer	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	464523.4	3807362	3.87E-08	30YrCancer	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	464543.4	3807362	3.80E-08	30YrCancer	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	464563.4	3807362	3.73E-08	30YrCancer	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	464583.4	3807362	3.63E-08	30YrCancer	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	464603.4	3807362	3.57E-08	30YrCancer	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	464623.4	3807362	3.58E-08	30YrCancer	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	464643.4	3807362	3.52E-08	30YrCancer	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	464663.4	3807362	3.45E-08	30YrCancer	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	464683.4	3807362	3.42E-08	30YrCancer	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	464703.4	3807362	3.38E-08	30YrCancer	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	464723.4	3807362	3.35E-08	30YrCancer	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	464743.4	3807362	3.30E-08	30YrCancer	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	464763.4	3807362	3.26E-08	30YrCancer	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	ALL	464783.4	3807362	3.23E-08	30YrCancer	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	464803.4	3807362	3.20E-08	30YrCancer	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	464823.4	3807362	3.23E-08	30YrCancer	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	464843.4	3807362	3.22E-08	30YrCancer	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	464863.4	3807362	3.25E-08	30YrCancer	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	464883.4	3807362	3.19E-08	30YrCancer	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	464903.4	3807362	3.19E-08	30YrCancer	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	464923.4	3807362	3.23E-08	30YrCancer	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	464503.4	3807382	4.01E-08	30YrCancer	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	464523.4	3807382	3.95E-08	30YrCancer	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	464543.4	3807382	3.87E-08	30YrCancer	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	464563.4	3807382	3.77E-08	30YrCancer	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

747	ALL	464583.4	3807382	3.68E-08	30YrCancer	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	464603.4	3807382	3.61E-08	30YrCancer	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	ALL	464623.4	3807382	3.62E-08	30YrCancer	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	464643.4	3807382	3.58E-08	30YrCancer	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	464663.4	3807382	3.54E-08	30YrCancer	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	464683.4	3807382	3.46E-08	30YrCancer	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	464703.4	3807382	3.42E-08	30YrCancer	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	464723.4	3807382	3.41E-08	30YrCancer	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	464743.4	3807382	3.39E-08	30YrCancer	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	464763.4	3807382	3.33E-08	30YrCancer	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	464783.4	3807382	3.30E-08	30YrCancer	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	464803.4	3807382	3.31E-08	30YrCancer	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	464823.4	3807382	3.32E-08	30YrCancer	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	464843.4	3807382	3.35E-08	30YrCancer	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	464863.4	3807382	3.29E-08	30YrCancer	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	464883.4	3807382	3.27E-08	30YrCancer	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	464903.4	3807382	3.33E-08	30YrCancer	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	464923.4	3807382	3.74E-08	30YrCancer	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	464503.4	3807402	4.11E-08	30YrCancer	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	464523.4	3807402	4.01E-08	30YrCancer	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	464543.4	3807402	3.91E-08	30YrCancer	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	464563.4	3807402	3.82E-08	30YrCancer	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	464583.4	3807402	3.76E-08	30YrCancer	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	464603.4	3807402	3.68E-08	30YrCancer	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	464623.4	3807402	3.66E-08	30YrCancer	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	464643.4	3807402	3.61E-08	30YrCancer	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	464663.4	3807402	3.60E-08	30YrCancer	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	464683.4	3807402	3.55E-08	30YrCancer	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	464703.4	3807402	3.47E-08	30YrCancer	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	464723.4	3807402	3.44E-08	30YrCancer	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	464743.4	3807402	3.44E-08	30YrCancer	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	464763.4	3807402	3.43E-08	30YrCancer	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	464783.4	3807402	3.38E-08	30YrCancer	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	464803.4	3807402	3.35E-08	30YrCancer	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	464823.4	3807402	3.36E-08	30YrCancer	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	464843.4	3807402	3.39E-08	30YrCancer	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	464863.4	3807402	3.35E-08	30YrCancer	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	464883.4	3807402	3.48E-08	30YrCancer	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	464903.4	3807402	3.68E-08	30YrCancer	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	464923.4	3807402	3.83E-08	30YrCancer	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	464503.4	3807422	4.18E-08	30YrCancer	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	464523.4	3807422	4.07E-08	30YrCancer	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	464543.4	3807422	3.98E-08	30YrCancer	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	464563.4	3807422	3.90E-08	30YrCancer	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

791	ALL	464583.4	3807422	3.82E-08	30YrCancer	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	464603.4	3807422	3.81E-08	30YrCancer	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	464623.4	3807422	3.73E-08	30YrCancer	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	464643.4	3807422	3.66E-08	30YrCancer	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	464663.4	3807422	3.64E-08	30YrCancer	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	464683.4	3807422	3.61E-08	30YrCancer	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	464703.4	3807422	3.56E-08	30YrCancer	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	464723.4	3807422	3.51E-08	30YrCancer	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	464743.4	3807422	3.48E-08	30YrCancer	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	464763.4	3807422	3.48E-08	30YrCancer	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	464783.4	3807422	3.48E-08	30YrCancer	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	464803.4	3807422	3.45E-08	30YrCancer	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	464823.4	3807422	3.42E-08	30YrCancer	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	464843.4	3807422	3.51E-08	30YrCancer	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	464863.4	3807422	3.55E-08	30YrCancer	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	464883.4	3807422	3.77E-08	30YrCancer	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	464903.4	3807422	3.98E-08	30YrCancer	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	464923.4	3807422	4.01E-08	30YrCancer	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL	464503.4	3807442	4.23E-08	30YrCancer	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	464523.4	3807442	4.13E-08	30YrCancer	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	464543.4	3807442	4.05E-08	30YrCancer	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	464563.4	3807442	4.05E-08	30YrCancer	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	464583.4	3807442	3.95E-08	30YrCancer	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	464603.4	3807442	3.87E-08	30YrCancer	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815	ALL	464623.4	3807442	3.84E-08	30YrCancer	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	464643.4	3807442	3.75E-08	30YrCancer	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	464663.4	3807442	3.68E-08	30YrCancer	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	464683.4	3807442	3.65E-08	30YrCancer	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	464703.4	3807442	3.64E-08	30YrCancer	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	464723.4	3807442	3.60E-08	30YrCancer	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	464743.4	3807442	3.53E-08	30YrCancer	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	464763.4	3807442	3.52E-08	30YrCancer	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	464783.4	3807442	3.55E-08	30YrCancer	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	464803.4	3807442	3.62E-08	30YrCancer	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	464823.4	3807442	3.55E-08	30YrCancer	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	464843.4	3807442	3.63E-08	30YrCancer	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	464863.4	3807442	4.11E-08	30YrCancer	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	464883.4	3807442	4.04E-08	30YrCancer	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	464903.4	3807442	4.09E-08	30YrCancer	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	464923.4	3807442	4.47E-08	30YrCancer	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	464503.4	3807462	4.29E-08	30YrCancer	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	464523.4	3807462	4.22E-08	30YrCancer	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	464543.4	3807462	4.13E-08	30YrCancer	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	464563.4	3807462	4.10E-08	30YrCancer	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

835	ALL	464583.4	3807462	4.04E-08	30YrCancer	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	464603.4	3807462	3.95E-08	30YrCancer	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	464623.4	3807462	3.89E-08	30YrCancer	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	464643.4	3807462	3.83E-08	30YrCancer	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	464663.4	3807462	3.76E-08	30YrCancer	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	464683.4	3807462	3.69E-08	30YrCancer	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	464703.4	3807462	3.68E-08	30YrCancer	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	464723.4	3807462	3.67E-08	30YrCancer	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	464743.4	3807462	3.66E-08	30YrCancer	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	464763.4	3807462	3.59E-08	30YrCancer	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	464783.4	3807462	3.59E-08	30YrCancer	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	464803.4	3807462	3.67E-08	30YrCancer	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	464823.4	3807462	3.59E-08	30YrCancer	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	464843.4	3807462	3.68E-08	30YrCancer	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	464863.4	3807462	4.17E-08	30YrCancer	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	464883.4	3807462	4.09E-08	30YrCancer	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	464903.4	3807462	4.15E-08	30YrCancer	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	464923.4	3807462	4.54E-08	30YrCancer	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	464503.4	3807482	4.34E-08	30YrCancer	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	464523.4	3807482	4.28E-08	30YrCancer	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	464543.4	3807482	4.28E-08	30YrCancer	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	464563.4	3807482	4.19E-08	30YrCancer	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	464583.4	3807482	4.10E-08	30YrCancer	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	464603.4	3807482	4.05E-08	30YrCancer	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	464623.4	3807482	3.97E-08	30YrCancer	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	464643.4	3807482	3.90E-08	30YrCancer	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	464663.4	3807482	3.85E-08	30YrCancer	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	464683.4	3807482	3.79E-08	30YrCancer	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	464703.4	3807482	3.73E-08	30YrCancer	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	464723.4	3807482	3.72E-08	30YrCancer	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	464743.4	3807482	3.73E-08	30YrCancer	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	464763.4	3807482	3.65E-08	30YrCancer	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	464783.4	3807482	3.64E-08	30YrCancer	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	464803.4	3807482	3.72E-08	30YrCancer	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	464823.4	3807482	3.64E-08	30YrCancer	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	464843.4	3807482	3.73E-08	30YrCancer	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	464863.4	3807482	4.24E-08	30YrCancer	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	464883.4	3807482	4.28E-08	30YrCancer	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	464903.4	3807482	4.62E-08	30YrCancer	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	464923.4	3807482	4.60E-08	30YrCancer	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	464503.4	3807502	4.41E-08	30YrCancer	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	464523.4	3807502	4.36E-08	30YrCancer	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	464543.4	3807502	4.36E-08	30YrCancer	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	464563.4	3807502	4.31E-08	30YrCancer	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

879	ALL	464583.4	3807502	4.20E-08	30YrCancer	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	464603.4	3807502	4.13E-08	30YrCancer	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	464623.4	3807502	4.08E-08	30YrCancer	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	464643.4	3807502	3.98E-08	30YrCancer	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	464663.4	3807502	3.93E-08	30YrCancer	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	464683.4	3807502	3.90E-08	30YrCancer	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	464703.4	3807502	3.82E-08	30YrCancer	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	464723.4	3807502	3.78E-08	30YrCancer	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	464743.4	3807502	3.78E-08	30YrCancer	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	464763.4	3807502	3.72E-08	30YrCancer	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	464783.4	3807502	3.70E-08	30YrCancer	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	464803.4	3807502	3.77E-08	30YrCancer	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	464823.4	3807502	3.74E-08	30YrCancer	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	464843.4	3807502	3.81E-08	30YrCancer	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	464863.4	3807502	4.33E-08	30YrCancer	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	464883.4	3807502	4.79E-08	30YrCancer	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	464903.4	3807502	4.75E-08	30YrCancer	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	464923.4	3807502	4.67E-08	30YrCancer	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	464503.4	3807522	4.54E-08	30YrCancer	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	464523.4	3807522	4.55E-08	30YrCancer	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	464543.4	3807522	4.45E-08	30YrCancer	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	464563.4	3807522	4.37E-08	30YrCancer	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	464583.4	3807522	4.30E-08	30YrCancer	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	464603.4	3807522	4.22E-08	30YrCancer	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	464623.4	3807522	4.13E-08	30YrCancer	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	464643.4	3807522	4.09E-08	30YrCancer	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	464663.4	3807522	4.03E-08	30YrCancer	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	464683.4	3807522	3.95E-08	30YrCancer	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	464703.4	3807522	3.94E-08	30YrCancer	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	464723.4	3807522	3.89E-08	30YrCancer	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	464743.4	3807522	3.84E-08	30YrCancer	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	464763.4	3807522	3.85E-08	30YrCancer	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	464783.4	3807522	3.81E-08	30YrCancer	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	464803.4	3807522	3.85E-08	30YrCancer	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	464823.4	3807522	3.99E-08	30YrCancer	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	464843.4	3807522	4.22E-08	30YrCancer	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	464863.4	3807522	4.39E-08	30YrCancer	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	464883.4	3807522	4.86E-08	30YrCancer	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	464903.4	3807522	4.82E-08	30YrCancer	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	464923.4	3807522	4.74E-08	30YrCancer	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	464503.4	3807542	4.73E-08	30YrCancer	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	464523.4	3807542	4.63E-08	30YrCancer	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	464543.4	3807542	4.57E-08	30YrCancer	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	464563.4	3807542	4.47E-08	30YrCancer	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

923	ALL	464583.4	3807542	4.38E-08	30YrCancer	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	464603.4	3807542	4.32E-08	30YrCancer	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	464623.4	3807542	4.24E-08	30YrCancer	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	464643.4	3807542	4.17E-08	30YrCancer	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	464663.4	3807542	4.12E-08	30YrCancer	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	464683.4	3807542	4.07E-08	30YrCancer	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	464703.4	3807542	4.02E-08	30YrCancer	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	464723.4	3807542	4.01E-08	30YrCancer	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	464743.4	3807542	3.97E-08	30YrCancer	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	464763.4	3807542	3.94E-08	30YrCancer	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	464783.4	3807542	3.95E-08	30YrCancer	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	464803.4	3807542	3.91E-08	30YrCancer	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	464823.4	3807542	4.26E-08	30YrCancer	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	464843.4	3807542	4.57E-08	30YrCancer	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	464863.4	3807542	4.60E-08	30YrCancer	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	464883.4	3807542	4.97E-08	30YrCancer	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	464903.4	3807542	4.90E-08	30YrCancer	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	464923.4	3807542	4.83E-08	30YrCancer	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	464503.4	3807562	4.88E-08	30YrCancer	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	464523.4	3807562	4.75E-08	30YrCancer	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	464543.4	3807562	4.66E-08	30YrCancer	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	464563.4	3807562	4.60E-08	30YrCancer	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	464583.4	3807562	4.48E-08	30YrCancer	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	464603.4	3807562	4.41E-08	30YrCancer	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	464623.4	3807562	4.37E-08	30YrCancer	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	464643.4	3807562	4.27E-08	30YrCancer	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	464663.4	3807562	4.22E-08	30YrCancer	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	464683.4	3807562	4.22E-08	30YrCancer	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	464703.4	3807562	4.14E-08	30YrCancer	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	464723.4	3807562	4.11E-08	30YrCancer	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	464743.4	3807562	4.18E-08	30YrCancer	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	464763.4	3807562	4.09E-08	30YrCancer	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	464783.4	3807562	4.04E-08	30YrCancer	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	464803.4	3807562	4.04E-08	30YrCancer	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	464823.4	3807562	4.36E-08	30YrCancer	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	464843.4	3807562	4.71E-08	30YrCancer	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	464863.4	3807562	5.15E-08	30YrCancer	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	464883.4	3807562	5.06E-08	30YrCancer	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	464903.4	3807562	4.99E-08	30YrCancer	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	464923.4	3807562	4.91E-08	30YrCancer	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	464503.4	3807582	4.95E-08	30YrCancer	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	464523.4	3807582	4.87E-08	30YrCancer	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	464543.4	3807582	4.77E-08	30YrCancer	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	464563.4	3807582	4.66E-08	30YrCancer	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

967	ALL	464583.4	3807582	4.61E-08	30YrCancer	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	464603.4	3807582	4.52E-08	30YrCancer	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL	464623.4	3807582	4.43E-08	30YrCancer	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL	464643.4	3807582	4.41E-08	30YrCancer	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL	464663.4	3807582	4.34E-08	30YrCancer	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL	464683.4	3807582	4.29E-08	30YrCancer	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL	464703.4	3807582	4.28E-08	30YrCancer	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL	464723.4	3807582	4.24E-08	30YrCancer	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL	464743.4	3807582	4.24E-08	30YrCancer	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL	464763.4	3807582	4.15E-08	30YrCancer	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL	464783.4	3807582	4.21E-08	30YrCancer	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL	464803.4	3807582	4.55E-08	30YrCancer	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL	464823.4	3807582	4.53E-08	30YrCancer	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
980	ALL	464843.4	3807582	4.78E-08	30YrCancer	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL	464863.4	3807582	5.23E-08	30YrCancer	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL	464883.4	3807582	5.13E-08	30YrCancer	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL	464903.4	3807582	5.06E-08	30YrCancer	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL	464923.4	3807582	4.99E-08	30YrCancer	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL	464503.4	3807602	5.08E-08	30YrCancer	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL	464523.4	3807602	5.04E-08	30YrCancer	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL	464543.4	3807602	4.92E-08	30YrCancer	4.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL	464563.4	3807602	4.79E-08	30YrCancer	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
989	ALL	464583.4	3807602	4.70E-08	30YrCancer	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL	464603.4	3807602	4.64E-08	30YrCancer	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL	464623.4	3807602	4.57E-08	30YrCancer	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL	464643.4	3807602	4.51E-08	30YrCancer	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL	464663.4	3807602	4.48E-08	30YrCancer	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL	464683.4	3807602	4.43E-08	30YrCancer	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL	464703.4	3807602	4.39E-08	30YrCancer	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL	464723.4	3807602	4.40E-08	30YrCancer	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL	464743.4	3807602	4.33E-08	30YrCancer	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL	464763.4	3807602	4.38E-08	30YrCancer	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
999	ALL	464783.4	3807602	4.60E-08	30YrCancer	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL	464803.4	3807602	4.91E-08	30YrCancer	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL	464823.4	3807602	4.95E-08	30YrCancer	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL	464843.4	3807602	5.34E-08	30YrCancer	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL	464863.4	3807602	5.31E-08	30YrCancer	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL	464883.4	3807602	5.23E-08	30YrCancer	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL	464903.4	3807602	5.15E-08	30YrCancer	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL	464923.4	3807602	5.06E-08	30YrCancer	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL	464503.4	3807622	5.26E-08	30YrCancer	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL	464523.4	3807622	5.19E-08	30YrCancer	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL	464543.4	3807622	5.08E-08	30YrCancer	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL	464563.4	3807622	4.93E-08	30YrCancer	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1011	ALL	464583.4	3807622	4.81E-08	30YrCancer	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012	ALL	464603.4	3807622	4.75E-08	30YrCancer	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013	ALL	464623.4	3807622	4.74E-08	30YrCancer	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014	ALL	464643.4	3807622	4.64E-08	30YrCancer	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015	ALL	464663.4	3807622	4.60E-08	30YrCancer	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016	ALL	464683.4	3807622	4.67E-08	30YrCancer	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017	ALL	464703.4	3807622	4.56E-08	30YrCancer	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018	ALL	464723.4	3807622	4.50E-08	30YrCancer	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019	ALL	464743.4	3807622	4.49E-08	30YrCancer	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020	ALL	464763.4	3807622	4.84E-08	30YrCancer	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021	ALL	464783.4	3807622	5.09E-08	30YrCancer	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022	ALL	464803.4	3807622	5.07E-08	30YrCancer	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023	ALL	464823.4	3807622	5.59E-08	30YrCancer	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024	ALL	464843.4	3807622	5.50E-08	30YrCancer	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025	ALL	464863.4	3807622	5.40E-08	30YrCancer	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026	ALL	464883.4	3807622	5.33E-08	30YrCancer	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027	ALL	464903.4	3807622	5.23E-08	30YrCancer	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028	ALL	464923.4	3807622	5.14E-08	30YrCancer	5.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1029	ALL	464503.4	3807642	5.43E-08	30YrCancer	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030	ALL	464523.4	3807642	5.29E-08	30YrCancer	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031	ALL	464543.4	3807642	5.14E-08	30YrCancer	5.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032	ALL	464563.4	3807642	5.01E-08	30YrCancer	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1033	ALL	464583.4	3807642	4.97E-08	30YrCancer	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1034	ALL	464603.4	3807642	4.89E-08	30YrCancer	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035	ALL	464623.4	3807642	4.82E-08	30YrCancer	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036	ALL	464643.4	3807642	4.81E-08	30YrCancer	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037	ALL	464663.4	3807642	4.74E-08	30YrCancer	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038	ALL	464683.4	3807642	4.74E-08	30YrCancer	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039	ALL	464703.4	3807642	4.63E-08	30YrCancer	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040	ALL	464723.4	3807642	4.70E-08	30YrCancer	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041	ALL	464743.4	3807642	5.07E-08	30YrCancer	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042	ALL	464763.4	3807642	5.04E-08	30YrCancer	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043	ALL	464783.4	3807642	5.28E-08	30YrCancer	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044	ALL	464803.4	3807642	5.80E-08	30YrCancer	5.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045	ALL	464823.4	3807642	5.69E-08	30YrCancer	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046	ALL	464843.4	3807642	5.60E-08	30YrCancer	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047	ALL	464863.4	3807642	5.51E-08	30YrCancer	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048	ALL	464883.4	3807642	5.41E-08	30YrCancer	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1049	ALL	464903.4	3807642	5.32E-08	30YrCancer	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050	ALL	464923.4	3807642	5.23E-08	30YrCancer	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051	ALL	464503.4	3807662	5.64E-08	30YrCancer	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052	ALL	464523.4	3807662	5.47E-08	30YrCancer	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053	ALL	464543.4	3807662	5.31E-08	30YrCancer	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054	ALL	464563.4	3807662	5.17E-08	30YrCancer	5.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1055	ALL	464583.4	3807662	5.09E-08	30YrCancer	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056	ALL	464603.4	3807662	5.05E-08	30YrCancer	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1057	ALL	464623.4	3807662	4.98E-08	30YrCancer	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058	ALL	464643.4	3807662	4.93E-08	30YrCancer	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059	ALL	464663.4	3807662	5.03E-08	30YrCancer	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060	ALL	464683.4	3807662	5.06E-08	30YrCancer	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1061	ALL	464703.4	3807662	4.95E-08	30YrCancer	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062	ALL	464723.4	3807662	5.14E-08	30YrCancer	5.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063	ALL	464743.4	3807662	5.47E-08	30YrCancer	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064	ALL	464763.4	3807662	5.51E-08	30YrCancer	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065	ALL	464783.4	3807662	5.94E-08	30YrCancer	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066	ALL	464803.4	3807662	5.91E-08	30YrCancer	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067	ALL	464823.4	3807662	5.81E-08	30YrCancer	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068	ALL	464843.4	3807662	5.71E-08	30YrCancer	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069	ALL	464863.4	3807662	5.61E-08	30YrCancer	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1070	ALL	464883.4	3807662	5.51E-08	30YrCancer	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1071	ALL	464903.4	3807662	5.41E-08	30YrCancer	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072	ALL	464923.4	3807662	5.31E-08	30YrCancer	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073	ALL	464503.4	3807682	5.90E-08	30YrCancer	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074	ALL	464523.4	3807682	5.73E-08	30YrCancer	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1075	ALL	464543.4	3807682	5.56E-08	30YrCancer	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076	ALL	464563.4	3807682	5.40E-08	30YrCancer	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077	ALL	464583.4	3807682	5.25E-08	30YrCancer	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1078	ALL	464603.4	3807682	5.19E-08	30YrCancer	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1079	ALL	464623.4	3807682	5.26E-08	30YrCancer	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080	ALL	464643.4	3807682	5.20E-08	30YrCancer	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081	ALL	464663.4	3807682	5.27E-08	30YrCancer	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082	ALL	464683.4	3807682	5.91E-08	30YrCancer	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083	ALL	464703.4	3807682	5.84E-08	30YrCancer	5.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084	ALL	464723.4	3807682	5.75E-08	30YrCancer	5.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085	ALL	464743.4	3807682	5.66E-08	30YrCancer	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086	ALL	464763.4	3807682	6.24E-08	30YrCancer	6.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1087	ALL	464783.4	3807682	6.13E-08	30YrCancer	6.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088	ALL	464803.4	3807682	6.02E-08	30YrCancer	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089	ALL	464823.4	3807682	5.92E-08	30YrCancer	5.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090	ALL	464843.4	3807682	5.81E-08	30YrCancer	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091	ALL	464863.4	3807682	5.70E-08	30YrCancer	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092	ALL	464883.4	3807682	5.60E-08	30YrCancer	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093	ALL	464903.4	3807682	5.49E-08	30YrCancer	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094	ALL	464923.4	3807682	5.39E-08	30YrCancer	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095	ALL	464523.4	3807702	5.96E-08	30YrCancer	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096	ALL	464543.4	3807702	5.79E-08	30YrCancer	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097	ALL	464563.4	3807702	5.63E-08	30YrCancer	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098	ALL	464583.4	3807702	5.48E-08	30YrCancer	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1099 ALL	464603.4	3807702	5.36E-08	30YrCancer	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100 ALL	464623.4	3807702	5.38E-08	30YrCancer	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1101 ALL	464643.4	3807702	5.56E-08	30YrCancer	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102 ALL	464663.4	3807702	5.85E-08	30YrCancer	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1103 ALL	464683.4	3807702	6.07E-08	30YrCancer	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104 ALL	464703.4	3807702	6.17E-08	30YrCancer	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105 ALL	464723.4	3807702	6.63E-08	30YrCancer	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106 ALL	464743.4	3807702	6.49E-08	30YrCancer	6.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107 ALL	464763.4	3807702	6.35E-08	30YrCancer	6.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108 ALL	464783.4	3807702	6.25E-08	30YrCancer	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109 ALL	464803.4	3807702	6.14E-08	30YrCancer	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110 ALL	464823.4	3807702	6.02E-08	30YrCancer	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111 ALL	464843.4	3807702	5.91E-08	30YrCancer	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112 ALL	464863.4	3807702	5.80E-08	30YrCancer	5.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113 ALL	464883.4	3807702	5.69E-08	30YrCancer	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114 ALL	464903.4	3807702	5.58E-08	30YrCancer	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115 ALL	464923.4	3807702	5.48E-08	30YrCancer	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116 ALL	464543.4	3807722	6.21E-08	30YrCancer	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117 ALL	464563.4	3807722	5.87E-08	30YrCancer	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118 ALL	464583.4	3807722	5.72E-08	30YrCancer	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119 ALL	464603.4	3807722	5.57E-08	30YrCancer	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120 ALL	464623.4	3807722	5.48E-08	30YrCancer	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1121 ALL	464643.4	3807722	5.95E-08	30YrCancer	5.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122 ALL	464663.4	3807722	6.37E-08	30YrCancer	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123 ALL	464683.4	3807722	6.39E-08	30YrCancer	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1124 ALL	464703.4	3807722	6.90E-08	30YrCancer	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125 ALL	464723.4	3807722	6.76E-08	30YrCancer	6.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126 ALL	464743.4	3807722	6.62E-08	30YrCancer	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1127 ALL	464763.4	3807722	6.50E-08	30YrCancer	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1128 ALL	464783.4	3807722	6.38E-08	30YrCancer	6.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129 ALL	464803.4	3807722	6.25E-08	30YrCancer	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130 ALL	464823.4	3807722	6.14E-08	30YrCancer	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131 ALL	464843.4	3807722	6.02E-08	30YrCancer	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132 ALL	464863.4	3807722	5.90E-08	30YrCancer	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133 ALL	464883.4	3807722	5.78E-08	30YrCancer	5.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134 ALL	464903.4	3807722	5.67E-08	30YrCancer	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135 ALL	464923.4	3807722	5.56E-08	30YrCancer	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136 ALL	464943.4	3807722	5.45E-08	30YrCancer	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137 ALL	464963.4	3807722	5.35E-08	30YrCancer	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138 ALL	464983.4	3807722	5.25E-08	30YrCancer	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139 ALL	465003.4	3807722	5.15E-08	30YrCancer	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140 ALL	465023.4	3807722	5.05E-08	30YrCancer	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141 ALL	465043.4	3807722	4.96E-08	30YrCancer	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142 ALL	465063.4	3807722	4.87E-08	30YrCancer	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1143	ALL	465083.4	3807722	4.78E-08	30YrCancer	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144	ALL	465103.4	3807722	4.69E-08	30YrCancer	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145	ALL	465123.4	3807722	4.61E-08	30YrCancer	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146	ALL	465143.4	3807722	4.52E-08	30YrCancer	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147	ALL	465163.4	3807722	4.44E-08	30YrCancer	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148	ALL	465183.4	3807722	4.36E-08	30YrCancer	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1149	ALL	465203.4	3807722	4.29E-08	30YrCancer	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150	ALL	465223.4	3807722	4.21E-08	30YrCancer	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151	ALL	465243.4	3807722	4.14E-08	30YrCancer	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152	ALL	465263.4	3807722	4.07E-08	30YrCancer	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153	ALL	465283.4	3807722	4.00E-08	30YrCancer	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154	ALL	465303.4	3807722	3.93E-08	30YrCancer	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155	ALL	465323.4	3807722	3.86E-08	30YrCancer	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156	ALL	465343.4	3807722	3.80E-08	30YrCancer	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157	ALL	465363.4	3807722	3.74E-08	30YrCancer	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158	ALL	465383.4	3807722	3.68E-08	30YrCancer	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159	ALL	464543.4	3807742	7.45E-08	30YrCancer	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160	ALL	464563.4	3807742	6.18E-08	30YrCancer	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161	ALL	464583.4	3807742	5.94E-08	30YrCancer	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162	ALL	464603.4	3807742	5.76E-08	30YrCancer	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163	ALL	464623.4	3807742	5.69E-08	30YrCancer	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164	ALL	464643.4	3807742	6.26E-08	30YrCancer	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165	ALL	464663.4	3807742	6.65E-08	30YrCancer	6.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166	ALL	464683.4	3807742	7.20E-08	30YrCancer	7.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1167	ALL	464703.4	3807742	7.04E-08	30YrCancer	7.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168	ALL	464723.4	3807742	6.89E-08	30YrCancer	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1169	ALL	464743.4	3807742	6.75E-08	30YrCancer	6.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170	ALL	464763.4	3807742	6.63E-08	30YrCancer	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171	ALL	464783.4	3807742	6.50E-08	30YrCancer	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172	ALL	464803.4	3807742	6.37E-08	30YrCancer	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173	ALL	464823.4	3807742	6.24E-08	30YrCancer	6.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174	ALL	464843.4	3807742	6.12E-08	30YrCancer	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175	ALL	464863.4	3807742	5.99E-08	30YrCancer	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1176	ALL	464883.4	3807742	5.87E-08	30YrCancer	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1177	ALL	464903.4	3807742	5.76E-08	30YrCancer	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178	ALL	464923.4	3807742	5.64E-08	30YrCancer	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179	ALL	464943.4	3807742	5.54E-08	30YrCancer	5.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180	ALL	464963.4	3807742	5.43E-08	30YrCancer	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181	ALL	464983.4	3807742	5.32E-08	30YrCancer	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182	ALL	465003.4	3807742	5.22E-08	30YrCancer	5.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183	ALL	465023.4	3807742	5.12E-08	30YrCancer	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184	ALL	465043.4	3807742	5.03E-08	30YrCancer	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185	ALL	465063.4	3807742	4.93E-08	30YrCancer	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186	ALL	465083.4	3807742	4.84E-08	30YrCancer	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1187	ALL	465103.4	3807742	4.75E-08	30YrCancer	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188	ALL	465123.4	3807742	4.66E-08	30YrCancer	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189	ALL	465143.4	3807742	4.58E-08	30YrCancer	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190	ALL	465163.4	3807742	4.50E-08	30YrCancer	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191	ALL	465183.4	3807742	4.42E-08	30YrCancer	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192	ALL	465203.4	3807742	4.34E-08	30YrCancer	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193	ALL	465223.4	3807742	4.26E-08	30YrCancer	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194	ALL	465243.4	3807742	4.19E-08	30YrCancer	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1195	ALL	465263.4	3807742	4.11E-08	30YrCancer	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196	ALL	465283.4	3807742	4.04E-08	30YrCancer	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197	ALL	465303.4	3807742	3.97E-08	30YrCancer	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198	ALL	465323.4	3807742	3.91E-08	30YrCancer	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1199	ALL	465343.4	3807742	3.84E-08	30YrCancer	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	ALL	465363.4	3807742	3.78E-08	30YrCancer	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201	ALL	465383.4	3807742	3.71E-08	30YrCancer	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202	ALL	464543.4	3807762	8.75E-08	30YrCancer	8.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203	ALL	464563.4	3807762	7.71E-08	30YrCancer	7.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1204	ALL	464583.4	3807762	7.19E-08	30YrCancer	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1205	ALL	464603.4	3807762	6.57E-08	30YrCancer	6.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206	ALL	464623.4	3807762	6.53E-08	30YrCancer	6.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207	ALL	464643.4	3807762	6.98E-08	30YrCancer	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208	ALL	464663.4	3807762	7.50E-08	30YrCancer	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209	ALL	464683.4	3807762	7.34E-08	30YrCancer	7.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210	ALL	464703.4	3807762	7.17E-08	30YrCancer	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211	ALL	464723.4	3807762	7.03E-08	30YrCancer	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212	ALL	464743.4	3807762	6.90E-08	30YrCancer	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213	ALL	464763.4	3807762	6.75E-08	30YrCancer	6.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1214	ALL	464783.4	3807762	6.62E-08	30YrCancer	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215	ALL	464803.4	3807762	6.49E-08	30YrCancer	6.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216	ALL	464823.4	3807762	6.35E-08	30YrCancer	6.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217	ALL	464843.4	3807762	6.22E-08	30YrCancer	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218	ALL	464863.4	3807762	6.09E-08	30YrCancer	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219	ALL	464883.4	3807762	5.97E-08	30YrCancer	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220	ALL	464903.4	3807762	5.85E-08	30YrCancer	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221	ALL	464923.4	3807762	5.73E-08	30YrCancer	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1222	ALL	464943.4	3807762	5.62E-08	30YrCancer	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223	ALL	464963.4	3807762	5.51E-08	30YrCancer	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224	ALL	464983.4	3807762	5.40E-08	30YrCancer	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1225	ALL	465003.4	3807762	5.30E-08	30YrCancer	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1226	ALL	465023.4	3807762	5.19E-08	30YrCancer	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1227	ALL	465043.4	3807762	5.10E-08	30YrCancer	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1228	ALL	465063.4	3807762	5.00E-08	30YrCancer	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1229	ALL	465083.4	3807762	4.90E-08	30YrCancer	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1230	ALL	465103.4	3807762	4.81E-08	30YrCancer	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1231	ALL	465123.4	3807762	4.72E-08	30YrCancer	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1232	ALL	465143.4	3807762	4.64E-08	30YrCancer	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1233	ALL	465163.4	3807762	4.55E-08	30YrCancer	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1234	ALL	465183.4	3807762	4.47E-08	30YrCancer	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1235	ALL	465203.4	3807762	4.39E-08	30YrCancer	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1236	ALL	465223.4	3807762	4.31E-08	30YrCancer	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1237	ALL	465243.4	3807762	4.23E-08	30YrCancer	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1238	ALL	465263.4	3807762	4.16E-08	30YrCancer	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1239	ALL	465283.4	3807762	4.09E-08	30YrCancer	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1240	ALL	465303.4	3807762	4.02E-08	30YrCancer	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1241	ALL	465323.4	3807762	3.95E-08	30YrCancer	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1242	ALL	465343.4	3807762	3.88E-08	30YrCancer	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1243	ALL	465363.4	3807762	3.82E-08	30YrCancer	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1244	ALL	465383.4	3807762	3.75E-08	30YrCancer	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1245	ALL	464543.4	3807782	8.98E-08	30YrCancer	8.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1246	ALL	464563.4	3807782	8.74E-08	30YrCancer	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1247	ALL	464583.4	3807782	8.50E-08	30YrCancer	8.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1248	ALL	464603.4	3807782	8.26E-08	30YrCancer	8.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1249	ALL	464623.4	3807782	8.04E-08	30YrCancer	8.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1250	ALL	464643.4	3807782	7.84E-08	30YrCancer	7.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1251	ALL	464663.4	3807782	7.67E-08	30YrCancer	7.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1252	ALL	464683.4	3807782	7.51E-08	30YrCancer	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1253	ALL	464703.4	3807782	7.34E-08	30YrCancer	7.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1254	ALL	464723.4	3807782	7.18E-08	30YrCancer	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1255	ALL	464743.4	3807782	7.03E-08	30YrCancer	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1256	ALL	464763.4	3807782	6.89E-08	30YrCancer	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1257	ALL	464783.4	3807782	6.74E-08	30YrCancer	6.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1258	ALL	464803.4	3807782	6.60E-08	30YrCancer	6.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1259	ALL	464823.4	3807782	6.46E-08	30YrCancer	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1260	ALL	464843.4	3807782	6.32E-08	30YrCancer	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1261	ALL	464863.4	3807782	6.19E-08	30YrCancer	6.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1262	ALL	464883.4	3807782	6.06E-08	30YrCancer	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1263	ALL	464903.4	3807782	5.94E-08	30YrCancer	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1264	ALL	464923.4	3807782	5.82E-08	30YrCancer	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1265	ALL	464943.4	3807782	5.70E-08	30YrCancer	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1266	ALL	464963.4	3807782	5.59E-08	30YrCancer	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1267	ALL	464983.4	3807782	5.48E-08	30YrCancer	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1268	ALL	465003.4	3807782	5.37E-08	30YrCancer	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1269	ALL	465023.4	3807782	5.27E-08	30YrCancer	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1270	ALL	465043.4	3807782	5.16E-08	30YrCancer	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1271	ALL	465063.4	3807782	5.06E-08	30YrCancer	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1272	ALL	465083.4	3807782	4.97E-08	30YrCancer	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1273	ALL	465103.4	3807782	4.87E-08	30YrCancer	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1274	ALL	465123.4	3807782	4.78E-08	30YrCancer	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1275	ALL	465143.4	3807782	4.69E-08	30YrCancer	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1276	ALL	465163.4	3807782	4.61E-08	30YrCancer	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1277	ALL	465183.4	3807782	4.52E-08	30YrCancer	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1278	ALL	465203.4	3807782	4.44E-08	30YrCancer	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1279	ALL	465223.4	3807782	4.36E-08	30YrCancer	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1280	ALL	465243.4	3807782	4.28E-08	30YrCancer	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1281	ALL	465263.4	3807782	4.21E-08	30YrCancer	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1282	ALL	465283.4	3807782	4.13E-08	30YrCancer	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1283	ALL	465303.4	3807782	4.06E-08	30YrCancer	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1284	ALL	465323.4	3807782	3.99E-08	30YrCancer	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1285	ALL	465343.4	3807782	3.92E-08	30YrCancer	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1286	ALL	465363.4	3807782	3.86E-08	30YrCancer	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1287	ALL	465383.4	3807782	3.79E-08	30YrCancer	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1288	ALL	464543.4	3807802	9.19E-08	30YrCancer	9.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1289	ALL	464563.4	3807802	8.95E-08	30YrCancer	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1290	ALL	464583.4	3807802	8.72E-08	30YrCancer	8.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1291	ALL	464603.4	3807802	8.50E-08	30YrCancer	8.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1292	ALL	464623.4	3807802	8.26E-08	30YrCancer	8.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1293	ALL	464643.4	3807802	8.03E-08	30YrCancer	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1294	ALL	464663.4	3807802	7.85E-08	30YrCancer	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1295	ALL	464683.4	3807802	7.68E-08	30YrCancer	7.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1296	ALL	464703.4	3807802	7.50E-08	30YrCancer	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1297	ALL	464723.4	3807802	7.33E-08	30YrCancer	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1298	ALL	464743.4	3807802	7.17E-08	30YrCancer	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1299	ALL	464763.4	3807802	7.02E-08	30YrCancer	7.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1300	ALL	464783.4	3807802	6.86E-08	30YrCancer	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1301	ALL	464803.4	3807802	6.71E-08	30YrCancer	6.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1302	ALL	464823.4	3807802	6.57E-08	30YrCancer	6.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1303	ALL	464843.4	3807802	6.43E-08	30YrCancer	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1304	ALL	464863.4	3807802	6.29E-08	30YrCancer	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1305	ALL	464883.4	3807802	6.16E-08	30YrCancer	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1306	ALL	464903.4	3807802	6.03E-08	30YrCancer	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1307	ALL	464923.4	3807802	5.91E-08	30YrCancer	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1308	ALL	464943.4	3807802	5.79E-08	30YrCancer	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1309	ALL	464963.4	3807802	5.67E-08	30YrCancer	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1310	ALL	464983.4	3807802	5.56E-08	30YrCancer	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1311	ALL	465003.4	3807802	5.45E-08	30YrCancer	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1312	ALL	465023.4	3807802	5.34E-08	30YrCancer	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1313	ALL	465043.4	3807802	5.23E-08	30YrCancer	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1314	ALL	465063.4	3807802	5.13E-08	30YrCancer	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1315	ALL	465083.4	3807802	5.03E-08	30YrCancer	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1316	ALL	465103.4	3807802	4.94E-08	30YrCancer	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1317	ALL	465123.4	3807802	4.84E-08	30YrCancer	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1318	ALL	465143.4	3807802	4.75E-08	30YrCancer	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1319	ALL	465163.4	3807802	4.66E-08	30YrCancer	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1320	ALL	465183.4	3807802	4.58E-08	30YrCancer	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1321	ALL	465203.4	3807802	4.49E-08	30YrCancer	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1322	ALL	465223.4	3807802	4.41E-08	30YrCancer	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1323	ALL	465243.4	3807802	4.33E-08	30YrCancer	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1324	ALL	465263.4	3807802	4.25E-08	30YrCancer	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1325	ALL	465283.4	3807802	4.18E-08	30YrCancer	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1326	ALL	465303.4	3807802	4.11E-08	30YrCancer	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1327	ALL	465323.4	3807802	4.03E-08	30YrCancer	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1328	ALL	465343.4	3807802	3.96E-08	30YrCancer	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1329	ALL	465363.4	3807802	3.90E-08	30YrCancer	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1330	ALL	465383.4	3807802	3.83E-08	30YrCancer	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1331	ALL	464543.4	3807822	9.39E-08	30YrCancer	9.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1332	ALL	464563.4	3807822	9.15E-08	30YrCancer	9.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1333	ALL	464583.4	3807822	8.92E-08	30YrCancer	8.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1334	ALL	464603.4	3807822	8.68E-08	30YrCancer	8.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1335	ALL	464623.4	3807822	8.46E-08	30YrCancer	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1336	ALL	464643.4	3807822	8.22E-08	30YrCancer	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1337	ALL	464663.4	3807822	8.02E-08	30YrCancer	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1338	ALL	464683.4	3807822	7.83E-08	30YrCancer	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1339	ALL	464703.4	3807822	7.64E-08	30YrCancer	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1340	ALL	464723.4	3807822	7.48E-08	30YrCancer	7.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1341	ALL	464743.4	3807822	7.31E-08	30YrCancer	7.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1342	ALL	464763.4	3807822	7.15E-08	30YrCancer	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1343	ALL	464783.4	3807822	6.98E-08	30YrCancer	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1344	ALL	464803.4	3807822	6.83E-08	30YrCancer	6.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1345	ALL	464823.4	3807822	6.68E-08	30YrCancer	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1346	ALL	464843.4	3807822	6.54E-08	30YrCancer	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1347	ALL	464863.4	3807822	6.40E-08	30YrCancer	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1348	ALL	464883.4	3807822	6.26E-08	30YrCancer	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1349	ALL	464903.4	3807822	6.13E-08	30YrCancer	6.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1350	ALL	464923.4	3807822	6.00E-08	30YrCancer	6.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1351	ALL	464943.4	3807822	5.88E-08	30YrCancer	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1352	ALL	464963.4	3807822	5.76E-08	30YrCancer	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1353	ALL	464983.4	3807822	5.64E-08	30YrCancer	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1354	ALL	465003.4	3807822	5.52E-08	30YrCancer	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1355	ALL	465023.4	3807822	5.41E-08	30YrCancer	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1356	ALL	465043.4	3807822	5.31E-08	30YrCancer	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1357	ALL	465063.4	3807822	5.20E-08	30YrCancer	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1358	ALL	465083.4	3807822	5.10E-08	30YrCancer	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1359	ALL	465103.4	3807822	5.00E-08	30YrCancer	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1360	ALL	465123.4	3807822	4.90E-08	30YrCancer	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1361	ALL	465143.4	3807822	4.81E-08	30YrCancer	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1362	ALL	465163.4	3807822	4.72E-08	30YrCancer	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1363	ALL	465183.4	3807822	4.63E-08	30YrCancer	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1364	ALL	465203.4	3807822	4.55E-08	30YrCancer	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1365	ALL	465223.4	3807822	4.46E-08	30YrCancer	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1366	ALL	465243.4	3807822	4.38E-08	30YrCancer	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1367	ALL	465263.4	3807822	4.30E-08	30YrCancer	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1368	ALL	465283.4	3807822	4.23E-08	30YrCancer	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1369	ALL	465303.4	3807822	4.15E-08	30YrCancer	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1370	ALL	465323.4	3807822	4.08E-08	30YrCancer	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1371	ALL	465343.4	3807822	4.01E-08	30YrCancer	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1372	ALL	465363.4	3807822	3.94E-08	30YrCancer	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1373	ALL	465383.4	3807822	3.87E-08	30YrCancer	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1374	ALL	464543.4	3807842	9.57E-08	30YrCancer	9.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1375	ALL	464563.4	3807842	9.33E-08	30YrCancer	9.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1376	ALL	464583.4	3807842	9.10E-08	30YrCancer	9.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1377	ALL	464603.4	3807842	8.88E-08	30YrCancer	8.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1378	ALL	464623.4	3807842	8.64E-08	30YrCancer	8.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1379	ALL	464643.4	3807842	8.42E-08	30YrCancer	8.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1380	ALL	464663.4	3807842	8.21E-08	30YrCancer	8.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1381	ALL	464683.4	3807842	8.00E-08	30YrCancer	8.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1382	ALL	464723.4	3807842	7.63E-08	30YrCancer	7.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1383	ALL	464743.4	3807842	7.45E-08	30YrCancer	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1384	ALL	464763.4	3807842	7.27E-08	30YrCancer	7.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1385	ALL	464783.4	3807842	7.11E-08	30YrCancer	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1386	ALL	464803.4	3807842	6.95E-08	30YrCancer	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1387	ALL	464823.4	3807842	6.80E-08	30YrCancer	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1388	ALL	464843.4	3807842	6.65E-08	30YrCancer	6.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1389	ALL	464863.4	3807842	6.50E-08	30YrCancer	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1390	ALL	464883.4	3807842	6.36E-08	30YrCancer	6.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1391	ALL	464903.4	3807842	6.23E-08	30YrCancer	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1392	ALL	464923.4	3807842	6.10E-08	30YrCancer	6.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1393	ALL	464943.4	3807842	5.97E-08	30YrCancer	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1394	ALL	464963.4	3807842	5.84E-08	30YrCancer	5.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1395	ALL	464983.4	3807842	5.72E-08	30YrCancer	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1396	ALL	465003.4	3807842	5.60E-08	30YrCancer	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1397	ALL	465023.4	3807842	5.49E-08	30YrCancer	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1398	ALL	465043.4	3807842	5.38E-08	30YrCancer	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1399	ALL	465063.4	3807842	5.27E-08	30YrCancer	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1400	ALL	465083.4	3807842	5.17E-08	30YrCancer	5.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1401	ALL	465103.4	3807842	5.06E-08	30YrCancer	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1402	ALL	465123.4	3807842	4.97E-08	30YrCancer	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1403	ALL	465143.4	3807842	4.87E-08	30YrCancer	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1404	ALL	465163.4	3807842	4.78E-08	30YrCancer	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1405	ALL	465183.4	3807842	4.69E-08	30YrCancer	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1406	ALL	465203.4	3807842	4.60E-08	30YrCancer	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1407	ALL	465223.4	3807842	4.52E-08	30YrCancer	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1408	ALL	465243.4	3807842	4.43E-08	30YrCancer	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1409	ALL	465263.4	3807842	4.35E-08	30YrCancer	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1410	ALL	465283.4	3807842	4.27E-08	30YrCancer	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1411	ALL	465303.4	3807842	4.20E-08	30YrCancer	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1412	ALL	465323.4	3807842	4.12E-08	30YrCancer	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1413	ALL	465343.4	3807842	4.05E-08	30YrCancer	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1414	ALL	465363.4	3807842	3.98E-08	30YrCancer	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1415	ALL	465383.4	3807842	3.91E-08	30YrCancer	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1416	ALL	464503.4	3807862	1.03E-07	30YrCancer	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1417	ALL	464523.4	3807862	1.00E-07	30YrCancer	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1418	ALL	464543.4	3807862	9.75E-08	30YrCancer	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1419	ALL	464563.4	3807862	9.50E-08	30YrCancer	9.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1420	ALL	464583.4	3807862	9.28E-08	30YrCancer	9.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1421	ALL	464603.4	3807862	9.06E-08	30YrCancer	9.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1422	ALL	464723.4	3807862	7.77E-08	30YrCancer	7.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1423	ALL	464743.4	3807862	7.59E-08	30YrCancer	7.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1424	ALL	464763.4	3807862	7.41E-08	30YrCancer	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1425	ALL	464783.4	3807862	7.24E-08	30YrCancer	7.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1426	ALL	464803.4	3807862	7.08E-08	30YrCancer	7.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1427	ALL	464823.4	3807862	6.91E-08	30YrCancer	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1428	ALL	464843.4	3807862	6.76E-08	30YrCancer	6.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1429	ALL	464863.4	3807862	6.61E-08	30YrCancer	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1430	ALL	464883.4	3807862	6.47E-08	30YrCancer	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1431	ALL	464903.4	3807862	6.33E-08	30YrCancer	6.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1432	ALL	464923.4	3807862	6.19E-08	30YrCancer	6.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1433	ALL	464943.4	3807862	6.06E-08	30YrCancer	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1434	ALL	464963.4	3807862	5.93E-08	30YrCancer	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1435	ALL	464983.4	3807862	5.80E-08	30YrCancer	5.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1436	ALL	465003.4	3807862	5.68E-08	30YrCancer	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1437	ALL	465023.4	3807862	5.56E-08	30YrCancer	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1438	ALL	465043.4	3807862	5.45E-08	30YrCancer	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1439	ALL	465063.4	3807862	5.34E-08	30YrCancer	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1440	ALL	465083.4	3807862	5.23E-08	30YrCancer	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1441	ALL	465103.4	3807862	5.13E-08	30YrCancer	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1442	ALL	465123.4	3807862	5.03E-08	30YrCancer	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1443	ALL	465143.4	3807862	4.93E-08	30YrCancer	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1444	ALL	465163.4	3807862	4.84E-08	30YrCancer	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1445	ALL	465183.4	3807862	4.75E-08	30YrCancer	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1446	ALL	465203.4	3807862	4.66E-08	30YrCancer	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1447	ALL	465223.4	3807862	4.57E-08	30YrCancer	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1448	ALL	465243.4	3807862	4.48E-08	30YrCancer	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1449	ALL	465263.4	3807862	4.40E-08	30YrCancer	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1450	ALL	465283.4	3807862	4.32E-08	30YrCancer	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1451	ALL	465303.4	3807862	4.25E-08	30YrCancer	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1452	ALL	465323.4	3807862	4.17E-08	30YrCancer	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1453	ALL	465343.4	3807862	4.10E-08	30YrCancer	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1454	ALL	465363.4	3807862	4.03E-08	30YrCancer	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1455	ALL	465383.4	3807862	3.96E-08	30YrCancer	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1456	ALL	464503.4	3807882	1.06E-07	30YrCancer	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1457	ALL	464523.4	3807882	1.02E-07	30YrCancer	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1458	ALL	464543.4	3807882	9.96E-08	30YrCancer	9.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1459	ALL	464723.4	3807882	7.92E-08	30YrCancer	7.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1460	ALL	464743.4	3807882	7.73E-08	30YrCancer	7.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1461	ALL	464763.4	3807882	7.54E-08	30YrCancer	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1462	ALL	464783.4	3807882	7.37E-08	30YrCancer	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1463	ALL	464803.4	3807882	7.20E-08	30YrCancer	7.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1464	ALL	464823.4	3807882	7.04E-08	30YrCancer	7.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1465	ALL	464843.4	3807882	6.88E-08	30YrCancer	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1466	ALL	464863.4	3807882	6.72E-08	30YrCancer	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1467	ALL	464883.4	3807882	6.57E-08	30YrCancer	6.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1468	ALL	464903.4	3807882	6.43E-08	30YrCancer	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1469	ALL	464923.4	3807882	6.29E-08	30YrCancer	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1470	ALL	464943.4	3807882	6.15E-08	30YrCancer	6.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1471	ALL	464963.4	3807882	6.02E-08	30YrCancer	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1472	ALL	464983.4	3807882	5.89E-08	30YrCancer	5.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1473	ALL	465003.4	3807882	5.76E-08	30YrCancer	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1474	ALL	465023.4	3807882	5.64E-08	30YrCancer	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1475	ALL	465043.4	3807882	5.53E-08	30YrCancer	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1476	ALL	465063.4	3807882	5.41E-08	30YrCancer	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1477	ALL	465083.4	3807882	5.30E-08	30YrCancer	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1478	ALL	465103.4	3807882	5.20E-08	30YrCancer	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1479	ALL	465123.4	3807882	5.09E-08	30YrCancer	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1480	ALL	465143.4	3807882	5.00E-08	30YrCancer	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1481	ALL	465163.4	3807882	4.90E-08	30YrCancer	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1482	ALL	465183.4	3807882	4.80E-08	30YrCancer	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1483	ALL	465203.4	3807882	4.71E-08	30YrCancer	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1484	ALL	465223.4	3807882	4.62E-08	30YrCancer	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1485	ALL	465243.4	3807882	4.54E-08	30YrCancer	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1486	ALL	465263.4	3807882	4.45E-08	30YrCancer	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1487	ALL	465283.4	3807882	4.37E-08	30YrCancer	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1488	ALL	465303.4	3807882	4.29E-08	30YrCancer	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1489	ALL	465323.4	3807882	4.22E-08	30YrCancer	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1490	ALL	465343.4	3807882	4.14E-08	30YrCancer	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1491	ALL	465363.4	3807882	4.07E-08	30YrCancer	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1492	ALL	465383.4	3807882	4.00E-08	30YrCancer	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1493	ALL	464723.4	3807902	8.08E-08	30YrCancer	8.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1494	ALL	464743.4	3807902	7.87E-08	30YrCancer	7.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1495	ALL	464763.4	3807902	7.68E-08	30YrCancer	7.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1496	ALL	464783.4	3807902	7.50E-08	30YrCancer	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1497	ALL	464803.4	3807902	7.33E-08	30YrCancer	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1498	ALL	464823.4	3807902	7.16E-08	30YrCancer	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1499	ALL	464843.4	3807902	6.99E-08	30YrCancer	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1500	ALL	464863.4	3807902	6.83E-08	30YrCancer	6.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1501	ALL	464883.4	3807902	6.68E-08	30YrCancer	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1502	ALL	464903.4	3807902	6.53E-08	30YrCancer	6.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1503	ALL	464923.4	3807902	6.38E-08	30YrCancer	6.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1504	ALL	464943.4	3807902	6.24E-08	30YrCancer	6.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1505	ALL	464963.4	3807902	6.11E-08	30YrCancer	6.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1506	ALL	464983.4	3807902	5.97E-08	30YrCancer	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1507	ALL	465003.4	3807902	5.85E-08	30YrCancer	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1508	ALL	465023.4	3807902	5.72E-08	30YrCancer	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1509	ALL	465043.4	3807902	5.60E-08	30YrCancer	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1510	ALL	465063.4	3807902	5.49E-08	30YrCancer	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1511	ALL	465083.4	3807902	5.37E-08	30YrCancer	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1512	ALL	465103.4	3807902	5.27E-08	30YrCancer	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1513	ALL	465123.4	3807902	5.16E-08	30YrCancer	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1514	ALL	465143.4	3807902	5.06E-08	30YrCancer	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1515	ALL	465163.4	3807902	4.96E-08	30YrCancer	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1516	ALL	465183.4	3807902	4.86E-08	30YrCancer	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1517	ALL	465203.4	3807902	4.77E-08	30YrCancer	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1518	ALL	465223.4	3807902	4.68E-08	30YrCancer	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1519	ALL	465243.4	3807902	4.59E-08	30YrCancer	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1520	ALL	465263.4	3807902	4.51E-08	30YrCancer	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1521	ALL	465283.4	3807902	4.43E-08	30YrCancer	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1522	ALL	465303.4	3807902	4.35E-08	30YrCancer	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1523	ALL	465323.4	3807902	4.27E-08	30YrCancer	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1524	ALL	465343.4	3807902	4.19E-08	30YrCancer	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1525	ALL	465363.4	3807902	4.12E-08	30YrCancer	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1526	ALL	465383.4	3807902	4.05E-08	30YrCancer	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1527	ALL	464723.4	3807922	8.25E-08	30YrCancer	8.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1528	ALL	464743.4	3807922	8.03E-08	30YrCancer	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1529	ALL	464763.4	3807922	7.83E-08	30YrCancer	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1530	ALL	464783.4	3807922	7.64E-08	30YrCancer	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1531	ALL	464803.4	3807922	7.46E-08	30YrCancer	7.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1532	ALL	464823.4	3807922	7.28E-08	30YrCancer	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1533	ALL	464843.4	3807922	7.11E-08	30YrCancer	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1534	ALL	464863.4	3807922	6.95E-08	30YrCancer	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1535	ALL	464883.4	3807922	6.79E-08	30YrCancer	6.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1536	ALL	464903.4	3807922	6.63E-08	30YrCancer	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1537	ALL	464923.4	3807922	6.48E-08	30YrCancer	6.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1538	ALL	464943.4	3807922	6.34E-08	30YrCancer	6.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1539	ALL	464963.4	3807922	6.20E-08	30YrCancer	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1540	ALL	464983.4	3807922	6.06E-08	30YrCancer	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1541	ALL	465003.4	3807922	5.93E-08	30YrCancer	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1542	ALL	465023.4	3807922	5.80E-08	30YrCancer	5.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1543	ALL	465043.4	3807922	5.68E-08	30YrCancer	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1544	ALL	465063.4	3807922	5.56E-08	30YrCancer	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1545	ALL	465083.4	3807922	5.45E-08	30YrCancer	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1546	ALL	465103.4	3807922	5.34E-08	30YrCancer	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1547	ALL	465123.4	3807922	5.23E-08	30YrCancer	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1548	ALL	465143.4	3807922	5.13E-08	30YrCancer	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1549	ALL	465163.4	3807922	5.02E-08	30YrCancer	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1550	ALL	465183.4	3807922	4.93E-08	30YrCancer	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1551	ALL	465203.4	3807922	4.83E-08	30YrCancer	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1552	ALL	465223.4	3807922	4.74E-08	30YrCancer	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1553	ALL	465243.4	3807922	4.65E-08	30YrCancer	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1554	ALL	465263.4	3807922	4.56E-08	30YrCancer	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1555	ALL	465283.4	3807922	4.48E-08	30YrCancer	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1556	ALL	465303.4	3807922	4.40E-08	30YrCancer	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1557	ALL	465323.4	3807922	4.32E-08	30YrCancer	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1558	ALL	465343.4	3807922	4.25E-08	30YrCancer	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1559	ALL	465363.4	3807922	4.17E-08	30YrCancer	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1560	ALL	465383.4	3807922	4.10E-08	30YrCancer	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1561	ALL	464723.4	3807942	8.41E-08	30YrCancer	8.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1562	ALL	464743.4	3807942	8.19E-08	30YrCancer	8.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1563	ALL	464763.4	3807942	7.98E-08	30YrCancer	7.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1564	ALL	464783.4	3807942	7.78E-08	30YrCancer	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1565	ALL	464803.4	3807942	7.60E-08	30YrCancer	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1566	ALL	464823.4	3807942	7.41E-08	30YrCancer	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1567	ALL	464843.4	3807942	7.24E-08	30YrCancer	7.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1568	ALL	464863.4	3807942	7.06E-08	30YrCancer	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1569	ALL	464883.4	3807942	6.90E-08	30YrCancer	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1570	ALL	464903.4	3807942	6.74E-08	30YrCancer	6.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1571	ALL	464923.4	3807942	6.58E-08	30YrCancer	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1572	ALL	464943.4	3807942	6.44E-08	30YrCancer	6.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1573	ALL	464963.4	3807942	6.29E-08	30YrCancer	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1574	ALL	464983.4	3807942	6.15E-08	30YrCancer	6.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1575	ALL	465003.4	3807942	6.02E-08	30YrCancer	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1576	ALL	465023.4	3807942	5.89E-08	30YrCancer	5.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1577	ALL	465043.4	3807942	5.76E-08	30YrCancer	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1578	ALL	465063.4	3807942	5.64E-08	30YrCancer	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1579	ALL	465083.4	3807942	5.52E-08	30YrCancer	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1580	ALL	465103.4	3807942	5.41E-08	30YrCancer	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1581	ALL	465123.4	3807942	5.30E-08	30YrCancer	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1582	ALL	465143.4	3807942	5.19E-08	30YrCancer	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1583	ALL	465163.4	3807942	5.09E-08	30YrCancer	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1584	ALL	465183.4	3807942	4.99E-08	30YrCancer	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1585	ALL	465203.4	3807942	4.89E-08	30YrCancer	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1586	ALL	465223.4	3807942	4.80E-08	30YrCancer	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1587	ALL	465243.4	3807942	4.71E-08	30YrCancer	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1588	ALL	465263.4	3807942	4.62E-08	30YrCancer	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1589	ALL	465283.4	3807942	4.54E-08	30YrCancer	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1590	ALL	465303.4	3807942	4.46E-08	30YrCancer	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1591	ALL	465323.4	3807942	4.38E-08	30YrCancer	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1592	ALL	465343.4	3807942	4.30E-08	30YrCancer	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1593	ALL	465363.4	3807942	4.22E-08	30YrCancer	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1594	ALL	465383.4	3807942	4.15E-08	30YrCancer	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1595	ALL	465403.4	3807942	4.08E-08	30YrCancer	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1596	ALL	465423.4	3807942	4.01E-08	30YrCancer	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1597	ALL	465443.4	3807942	3.94E-08	30YrCancer	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1598	ALL	465463.4	3807942	3.88E-08	30YrCancer	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1599	ALL	465483.4	3807942	3.81E-08	30YrCancer	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1600	ALL	465503.4	3807942	3.75E-08	30YrCancer	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1601	ALL	465523.4	3807942	3.69E-08	30YrCancer	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1602	ALL	465543.4	3807942	3.63E-08	30YrCancer	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1603	ALL	465563.4	3807942	3.57E-08	30YrCancer	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1604	ALL	465583.4	3807942	3.52E-08	30YrCancer	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1605	ALL	465603.4	3807942	3.46E-08	30YrCancer	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1606	ALL	465623.4	3807942	3.41E-08	30YrCancer	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1607	ALL	465643.4	3807942	3.36E-08	30YrCancer	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1608	ALL	465663.4	3807942	3.31E-08	30YrCancer	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1609	ALL	465683.4	3807942	3.26E-08	30YrCancer	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1610	ALL	465703.4	3807942	3.21E-08	30YrCancer	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1611	ALL	464723.4	3807962	8.57E-08	30YrCancer	8.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1612	ALL	464743.4	3807962	8.35E-08	30YrCancer	8.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1613	ALL	464763.4	3807962	8.14E-08	30YrCancer	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1614	ALL	464783.4	3807962	7.93E-08	30YrCancer	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1615	ALL	464803.4	3807962	7.74E-08	30YrCancer	7.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1616	ALL	464823.4	3807962	7.55E-08	30YrCancer	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1617	ALL	464843.4	3807962	7.36E-08	30YrCancer	7.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1618	ALL	464863.4	3807962	7.18E-08	30YrCancer	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1619	ALL	464883.4	3807962	7.01E-08	30YrCancer	7.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1620	ALL	464903.4	3807962	6.85E-08	30YrCancer	6.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1621	ALL	464923.4	3807962	6.69E-08	30YrCancer	6.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1622	ALL	464943.4	3807962	6.54E-08	30YrCancer	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1623	ALL	464963.4	3807962	6.39E-08	30YrCancer	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1624	ALL	464983.4	3807962	6.25E-08	30YrCancer	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1625	ALL	465003.4	3807962	6.11E-08	30YrCancer	6.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1626	ALL	465023.4	3807962	5.98E-08	30YrCancer	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1627	ALL	465043.4	3807962	5.85E-08	30YrCancer	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1628	ALL	465063.4	3807962	5.72E-08	30YrCancer	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1629	ALL	465083.4	3807962	5.60E-08	30YrCancer	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1630	ALL	465103.4	3807962	5.49E-08	30YrCancer	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1631	ALL	465123.4	3807962	5.37E-08	30YrCancer	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1632	ALL	465143.4	3807962	5.26E-08	30YrCancer	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1633	ALL	465163.4	3807962	5.16E-08	30YrCancer	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1634	ALL	465183.4	3807962	5.06E-08	30YrCancer	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1635	ALL	465203.4	3807962	4.96E-08	30YrCancer	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1636	ALL	465223.4	3807962	4.86E-08	30YrCancer	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1637	ALL	465243.4	3807962	4.77E-08	30YrCancer	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1638	ALL	465263.4	3807962	4.68E-08	30YrCancer	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1639	ALL	465283.4	3807962	4.60E-08	30YrCancer	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1640	ALL	465303.4	3807962	4.52E-08	30YrCancer	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1641	ALL	465323.4	3807962	4.43E-08	30YrCancer	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1642	ALL	465343.4	3807962	4.35E-08	30YrCancer	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1643	ALL	465363.4	3807962	4.28E-08	30YrCancer	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1644	ALL	465383.4	3807962	4.20E-08	30YrCancer	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1645	ALL	465403.4	3807962	4.13E-08	30YrCancer	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1646	ALL	465423.4	3807962	4.06E-08	30YrCancer	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1647	ALL	465443.4	3807962	3.99E-08	30YrCancer	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1648	ALL	465463.4	3807962	3.92E-08	30YrCancer	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1649	ALL	465483.4	3807962	3.86E-08	30YrCancer	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1650	ALL	465503.4	3807962	3.79E-08	30YrCancer	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1651	ALL	465523.4	3807962	3.73E-08	30YrCancer	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1652	ALL	465543.4	3807962	3.67E-08	30YrCancer	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1653	ALL	465563.4	3807962	3.61E-08	30YrCancer	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1654	ALL	465583.4	3807962	3.56E-08	30YrCancer	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1655	ALL	465603.4	3807962	3.50E-08	30YrCancer	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1656	ALL	465623.4	3807962	3.45E-08	30YrCancer	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1657	ALL	465643.4	3807962	3.40E-08	30YrCancer	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1658	ALL	465663.4	3807962	3.35E-08	30YrCancer	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1659	ALL	465683.4	3807962	3.30E-08	30YrCancer	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1660	ALL	465703.4	3807962	3.25E-08	30YrCancer	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1661	ALL	464743.4	3807982	8.51E-08	30YrCancer	8.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1662	ALL	464763.4	3807982	8.30E-08	30YrCancer	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1663	ALL	464783.4	3807982	8.08E-08	30YrCancer	8.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1664	ALL	464803.4	3807982	7.88E-08	30YrCancer	7.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1665	ALL	464823.4	3807982	7.68E-08	30YrCancer	7.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1666	ALL	464843.4	3807982	7.49E-08	30YrCancer	7.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1667	ALL	464863.4	3807982	7.31E-08	30YrCancer	7.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1668	ALL	464883.4	3807982	7.13E-08	30YrCancer	7.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1669	ALL	464903.4	3807982	6.96E-08	30YrCancer	6.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1670	ALL	464923.4	3807982	6.80E-08	30YrCancer	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1671	ALL	464943.4	3807982	6.64E-08	30YrCancer	6.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1672	ALL	464963.4	3807982	6.49E-08	30YrCancer	6.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1673	ALL	464983.4	3807982	6.34E-08	30YrCancer	6.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1674	ALL	465003.4	3807982	6.20E-08	30YrCancer	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1675	ALL	465023.4	3807982	6.07E-08	30YrCancer	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1676	ALL	465043.4	3807982	5.93E-08	30YrCancer	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1677	ALL	465063.4	3807982	5.81E-08	30YrCancer	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1678	ALL	465083.4	3807982	5.68E-08	30YrCancer	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1679	ALL	465103.4	3807982	5.56E-08	30YrCancer	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1680	ALL	465123.4	3807982	5.45E-08	30YrCancer	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1681	ALL	465143.4	3807982	5.34E-08	30YrCancer	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1682	ALL	465163.4	3807982	5.23E-08	30YrCancer	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1683	ALL	465183.4	3807982	5.13E-08	30YrCancer	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1684	ALL	465203.4	3807982	5.03E-08	30YrCancer	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1685	ALL	465223.4	3807982	4.93E-08	30YrCancer	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1686	ALL	465243.4	3807982	4.84E-08	30YrCancer	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1687	ALL	465263.4	3807982	4.75E-08	30YrCancer	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1688	ALL	465283.4	3807982	4.66E-08	30YrCancer	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1689	ALL	465303.4	3807982	4.57E-08	30YrCancer	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1690	ALL	465323.4	3807982	4.49E-08	30YrCancer	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1691	ALL	465343.4	3807982	4.41E-08	30YrCancer	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1692	ALL	465363.4	3807982	4.33E-08	30YrCancer	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1693	ALL	465383.4	3807982	4.25E-08	30YrCancer	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1694	ALL	465403.4	3807982	4.18E-08	30YrCancer	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1695	ALL	465423.4	3807982	4.11E-08	30YrCancer	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1696	ALL	465443.4	3807982	4.04E-08	30YrCancer	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1697	ALL	465463.4	3807982	3.97E-08	30YrCancer	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1698	ALL	465483.4	3807982	3.90E-08	30YrCancer	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1699	ALL	465503.4	3807982	3.84E-08	30YrCancer	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1700	ALL	465523.4	3807982	3.78E-08	30YrCancer	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1701	ALL	465543.4	3807982	3.72E-08	30YrCancer	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1702	ALL	465563.4	3807982	3.66E-08	30YrCancer	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1703	ALL	465583.4	3807982	3.60E-08	30YrCancer	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1704	ALL	465603.4	3807982	3.54E-08	30YrCancer	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1705	ALL	465623.4	3807982	3.49E-08	30YrCancer	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1706	ALL	465643.4	3807982	3.44E-08	30YrCancer	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1707	ALL	465663.4	3807982	3.39E-08	30YrCancer	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1708	ALL	465683.4	3807982	3.33E-08	30YrCancer	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1709	ALL	465703.4	3807982	3.29E-08	30YrCancer	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1710	ALL	464763.4	3808002	8.45E-08	30YrCancer	8.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1711	ALL	464783.4	3808002	8.24E-08	30YrCancer	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1712	ALL	464803.4	3808002	8.02E-08	30YrCancer	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1713	ALL	464823.4	3808002	7.82E-08	30YrCancer	7.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1714	ALL	464843.4	3808002	7.62E-08	30YrCancer	7.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1715	ALL	464863.4	3808002	7.44E-08	30YrCancer	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1716	ALL	464883.4	3808002	7.25E-08	30YrCancer	7.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1717	ALL	464903.4	3808002	7.08E-08	30YrCancer	7.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1718	ALL	464923.4	3808002	6.91E-08	30YrCancer	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1719	ALL	464943.4	3808002	6.75E-08	30YrCancer	6.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1720	ALL	464963.4	3808002	6.59E-08	30YrCancer	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1721	ALL	464983.4	3808002	6.44E-08	30YrCancer	6.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1722	ALL	465003.4	3808002	6.30E-08	30YrCancer	6.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1723	ALL	465023.4	3808002	6.16E-08	30YrCancer	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1724	ALL	465043.4	3808002	6.02E-08	30YrCancer	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1725	ALL	465063.4	3808002	5.89E-08	30YrCancer	5.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1726	ALL	465083.4	3808002	5.77E-08	30YrCancer	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1727	ALL	465103.4	3808002	5.65E-08	30YrCancer	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1728	ALL	465123.4	3808002	5.53E-08	30YrCancer	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1729	ALL	465143.4	3808002	5.42E-08	30YrCancer	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1730	ALL	465163.4	3808002	5.30E-08	30YrCancer	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1731	ALL	465183.4	3808002	5.20E-08	30YrCancer	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1732	ALL	465203.4	3808002	5.10E-08	30YrCancer	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1733	ALL	465223.4	3808002	5.00E-08	30YrCancer	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1734	ALL	465243.4	3808002	4.91E-08	30YrCancer	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1735	ALL	465263.4	3808002	4.81E-08	30YrCancer	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1736	ALL	465283.4	3808002	4.72E-08	30YrCancer	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1737	ALL	465303.4	3808002	4.64E-08	30YrCancer	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1738	ALL	465323.4	3808002	4.55E-08	30YrCancer	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1739	ALL	465343.4	3808002	4.47E-08	30YrCancer	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1740	ALL	465363.4	3808002	4.39E-08	30YrCancer	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1741	ALL	465383.4	3808002	4.31E-08	30YrCancer	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1742	ALL	465403.4	3808002	4.23E-08	30YrCancer	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1743	ALL	465423.4	3808002	4.16E-08	30YrCancer	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1744	ALL	465443.4	3808002	4.09E-08	30YrCancer	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1745	ALL	465463.4	3808002	4.02E-08	30YrCancer	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1746	ALL	465483.4	3808002	3.95E-08	30YrCancer	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1747	ALL	465503.4	3808002	3.89E-08	30YrCancer	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1748	ALL	465523.4	3808002	3.83E-08	30YrCancer	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1749	ALL	465543.4	3808002	3.76E-08	30YrCancer	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1750	ALL	465563.4	3808002	3.70E-08	30YrCancer	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1751	ALL	465583.4	3808002	3.64E-08	30YrCancer	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1752	ALL	465603.4	3808002	3.59E-08	30YrCancer	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1753	ALL	465623.4	3808002	3.53E-08	30YrCancer	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1754	ALL	465643.4	3808002	3.48E-08	30YrCancer	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1755	ALL	465663.4	3808002	3.43E-08	30YrCancer	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1756	ALL	465683.4	3808002	3.37E-08	30YrCancer	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1757	ALL	465703.4	3808002	3.32E-08	30YrCancer	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1758	ALL	464763.4	3808022	8.60E-08	30YrCancer	8.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1759	ALL	464783.4	3808022	8.38E-08	30YrCancer	8.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1760	ALL	464803.4	3808022	8.17E-08	30YrCancer	8.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1761	ALL	464823.4	3808022	7.96E-08	30YrCancer	7.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1762	ALL	464843.4	3808022	7.76E-08	30YrCancer	7.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1763	ALL	464863.4	3808022	7.57E-08	30YrCancer	7.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1764	ALL	464883.4	3808022	7.38E-08	30YrCancer	7.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1765	ALL	464903.4	3808022	7.20E-08	30YrCancer	7.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1766	ALL	464923.4	3808022	7.03E-08	30YrCancer	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1767	ALL	464943.4	3808022	6.86E-08	30YrCancer	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1768	ALL	464963.4	3808022	6.70E-08	30YrCancer	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1769	ALL	464983.4	3808022	6.55E-08	30YrCancer	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1770	ALL	465003.4	3808022	6.40E-08	30YrCancer	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1771	ALL	465023.4	3808022	6.26E-08	30YrCancer	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1772	ALL	465043.4	3808022	6.12E-08	30YrCancer	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1773	ALL	465063.4	3808022	5.99E-08	30YrCancer	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1774	ALL	465083.4	3808022	5.86E-08	30YrCancer	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1775	ALL	465103.4	3808022	5.73E-08	30YrCancer	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1776	ALL	465123.4	3808022	5.61E-08	30YrCancer	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1777	ALL	465143.4	3808022	5.50E-08	30YrCancer	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1778	ALL	465163.4	3808022	5.38E-08	30YrCancer	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1779	ALL	465183.4	3808022	5.28E-08	30YrCancer	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1780	ALL	465203.4	3808022	5.18E-08	30YrCancer	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1781	ALL	465223.4	3808022	5.08E-08	30YrCancer	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1782	ALL	465243.4	3808022	4.98E-08	30YrCancer	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1783	ALL	465263.4	3808022	4.88E-08	30YrCancer	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1784	ALL	465283.4	3808022	4.79E-08	30YrCancer	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1785	ALL	465303.4	3808022	4.70E-08	30YrCancer	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1786	ALL	465323.4	3808022	4.61E-08	30YrCancer	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1787	ALL	465343.4	3808022	4.53E-08	30YrCancer	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1788	ALL	465363.4	3808022	4.45E-08	30YrCancer	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1789	ALL	465383.4	3808022	4.37E-08	30YrCancer	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1790	ALL	465403.4	3808022	4.29E-08	30YrCancer	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1791	ALL	465423.4	3808022	4.22E-08	30YrCancer	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1792	ALL	465443.4	3808022	4.14E-08	30YrCancer	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1793	ALL	465463.4	3808022	4.07E-08	30YrCancer	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1794	ALL	465483.4	3808022	4.01E-08	30YrCancer	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1795	ALL	465503.4	3808022	3.94E-08	30YrCancer	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1796	ALL	465523.4	3808022	3.87E-08	30YrCancer	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1797	ALL	465543.4	3808022	3.81E-08	30YrCancer	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1798	ALL	465563.4	3808022	3.75E-08	30YrCancer	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1799	ALL	465583.4	3808022	3.69E-08	30YrCancer	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1800	ALL	465603.4	3808022	3.63E-08	30YrCancer	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1801	ALL	465623.4	3808022	3.58E-08	30YrCancer	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1802	ALL	465643.4	3808022	3.52E-08	30YrCancer	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1803	ALL	465663.4	3808022	3.47E-08	30YrCancer	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1804	ALL	465683.4	3808022	3.42E-08	30YrCancer	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1805	ALL	465703.4	3808022	3.37E-08	30YrCancer	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1806	ALL	464783.4	3808042	8.53E-08	30YrCancer	8.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1807	ALL	464803.4	3808042	8.32E-08	30YrCancer	8.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1808	ALL	464823.4	3808042	8.11E-08	30YrCancer	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1809	ALL	464843.4	3808042	7.90E-08	30YrCancer	7.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1810	ALL	464863.4	3808042	7.70E-08	30YrCancer	7.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1811	ALL	464883.4	3808042	7.51E-08	30YrCancer	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1812	ALL	464903.4	3808042	7.33E-08	30YrCancer	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1813	ALL	464923.4	3808042	7.15E-08	30YrCancer	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1814	ALL	464943.4	3808042	6.98E-08	30YrCancer	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1815	ALL	464963.4	3808042	6.81E-08	30YrCancer	6.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1816	ALL	464983.4	3808042	6.66E-08	30YrCancer	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1817	ALL	465003.4	3808042	6.50E-08	30YrCancer	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1818	ALL	465023.4	3808042	6.36E-08	30YrCancer	6.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1819	ALL	465043.4	3808042	6.22E-08	30YrCancer	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1820	ALL	465063.4	3808042	6.08E-08	30YrCancer	6.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1821	ALL	465083.4	3808042	5.95E-08	30YrCancer	5.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1822	ALL	465103.4	3808042	5.82E-08	30YrCancer	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1823	ALL	465123.4	3808042	5.70E-08	30YrCancer	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1824	ALL	465143.4	3808042	5.58E-08	30YrCancer	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1825	ALL	465163.4	3808042	5.46E-08	30YrCancer	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1826	ALL	465183.4	3808042	5.36E-08	30YrCancer	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1827	ALL	465203.4	3808042	5.25E-08	30YrCancer	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1828	ALL	465223.4	3808042	5.15E-08	30YrCancer	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1829	ALL	465243.4	3808042	5.05E-08	30YrCancer	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1830	ALL	465263.4	3808042	4.95E-08	30YrCancer	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1831	ALL	465283.4	3808042	4.86E-08	30YrCancer	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1832	ALL	465303.4	3808042	4.77E-08	30YrCancer	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1833	ALL	465323.4	3808042	4.68E-08	30YrCancer	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1834	ALL	465343.4	3808042	4.59E-08	30YrCancer	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1835	ALL	465363.4	3808042	4.51E-08	30YrCancer	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1836	ALL	465383.4	3808042	4.43E-08	30YrCancer	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1837	ALL	465403.4	3808042	4.35E-08	30YrCancer	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1838	ALL	465423.4	3808042	4.27E-08	30YrCancer	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1839	ALL	465443.4	3808042	4.20E-08	30YrCancer	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1840	ALL	465463.4	3808042	4.13E-08	30YrCancer	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1841	ALL	465483.4	3808042	4.06E-08	30YrCancer	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1842	ALL	465503.4	3808042	3.99E-08	30YrCancer	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1843	ALL	465523.4	3808042	3.93E-08	30YrCancer	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1844	ALL	465543.4	3808042	3.86E-08	30YrCancer	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1845	ALL	465563.4	3808042	3.80E-08	30YrCancer	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1846	ALL	465583.4	3808042	3.74E-08	30YrCancer	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1847	ALL	465603.4	3808042	3.68E-08	30YrCancer	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1848	ALL	465623.4	3808042	3.62E-08	30YrCancer	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1849	ALL	465643.4	3808042	3.57E-08	30YrCancer	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1850	ALL	465663.4	3808042	3.51E-08	30YrCancer	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1851	ALL	465683.4	3808042	3.46E-08	30YrCancer	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1852	ALL	465703.4	3808042	3.41E-08	30YrCancer	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1853	ALL	464803.4	3808062	8.47E-08	30YrCancer	8.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1854	ALL	464823.4	3808062	8.25E-08	30YrCancer	8.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1855	ALL	464843.4	3808062	8.04E-08	30YrCancer	8.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1856	ALL	464863.4	3808062	7.84E-08	30YrCancer	7.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1857	ALL	464883.4	3808062	7.65E-08	30YrCancer	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1858	ALL	464903.4	3808062	7.46E-08	30YrCancer	7.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1859	ALL	464923.4	3808062	7.28E-08	30YrCancer	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1860	ALL	464943.4	3808062	7.10E-08	30YrCancer	7.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1861	ALL	464963.4	3808062	6.93E-08	30YrCancer	6.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1862	ALL	464983.4	3808062	6.77E-08	30YrCancer	6.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1863	ALL	465003.4	3808062	6.61E-08	30YrCancer	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1864	ALL	465023.4	3808062	6.46E-08	30YrCancer	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1865	ALL	465043.4	3808062	6.32E-08	30YrCancer	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1866	ALL	465063.4	3808062	6.18E-08	30YrCancer	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1867	ALL	465083.4	3808062	6.04E-08	30YrCancer	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1868	ALL	465103.4	3808062	5.91E-08	30YrCancer	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1869	ALL	465123.4	3808062	5.79E-08	30YrCancer	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1870	ALL	465143.4	3808062	5.67E-08	30YrCancer	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1871	ALL	465163.4	3808062	5.55E-08	30YrCancer	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1872	ALL	465183.4	3808062	5.44E-08	30YrCancer	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1873	ALL	465203.4	3808062	5.33E-08	30YrCancer	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1874	ALL	465223.4	3808062	5.23E-08	30YrCancer	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1875	ALL	465243.4	3808062	5.12E-08	30YrCancer	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1876	ALL	465263.4	3808062	5.02E-08	30YrCancer	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1877	ALL	465283.4	3808062	4.93E-08	30YrCancer	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1878	ALL	465303.4	3808062	4.83E-08	30YrCancer	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1879	ALL	465323.4	3808062	4.74E-08	30YrCancer	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1880	ALL	465343.4	3808062	4.66E-08	30YrCancer	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1881	ALL	465363.4	3808062	4.57E-08	30YrCancer	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1882	ALL	465383.4	3808062	4.49E-08	30YrCancer	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1883	ALL	465403.4	3808062	4.41E-08	30YrCancer	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1884	ALL	465423.4	3808062	4.33E-08	30YrCancer	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1885	ALL	465443.4	3808062	4.26E-08	30YrCancer	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1886	ALL	465463.4	3808062	4.18E-08	30YrCancer	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1887	ALL	465483.4	3808062	4.11E-08	30YrCancer	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1888	ALL	465503.4	3808062	4.05E-08	30YrCancer	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1889	ALL	465523.4	3808062	3.98E-08	30YrCancer	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1890	ALL	465543.4	3808062	3.91E-08	30YrCancer	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1891	ALL	465563.4	3808062	3.85E-08	30YrCancer	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1892	ALL	465583.4	3808062	3.79E-08	30YrCancer	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1893	ALL	465603.4	3808062	3.73E-08	30YrCancer	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1894	ALL	465623.4	3808062	3.67E-08	30YrCancer	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1895	ALL	465643.4	3808062	3.61E-08	30YrCancer	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1896	ALL	465663.4	3808062	3.56E-08	30YrCancer	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1897	ALL	465683.4	3808062	3.50E-08	30YrCancer	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1898	ALL	465703.4	3808062	3.45E-08	30YrCancer	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1899	ALL	464823.4	3808082	8.41E-08	30YrCancer	8.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1900	ALL	464843.4	3808082	8.19E-08	30YrCancer	8.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1901	ALL	464863.4	3808082	7.99E-08	30YrCancer	7.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1902	ALL	464883.4	3808082	7.79E-08	30YrCancer	7.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1903	ALL	464903.4	3808082	7.59E-08	30YrCancer	7.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1904	ALL	464923.4	3808082	7.41E-08	30YrCancer	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1905	ALL	464943.4	3808082	7.23E-08	30YrCancer	7.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1906	ALL	464963.4	3808082	7.06E-08	30YrCancer	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1907	ALL	464983.4	3808082	6.89E-08	30YrCancer	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1908	ALL	465003.4	3808082	6.73E-08	30YrCancer	6.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1909	ALL	465023.4	3808082	6.58E-08	30YrCancer	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1910	ALL	465043.4	3808082	6.43E-08	30YrCancer	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1911	ALL	465063.4	3808082	6.28E-08	30YrCancer	6.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1912	ALL	465083.4	3808082	6.14E-08	30YrCancer	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1913	ALL	465103.4	3808082	6.01E-08	30YrCancer	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1914	ALL	465123.4	3808082	5.88E-08	30YrCancer	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1915	ALL	465143.4	3808082	5.76E-08	30YrCancer	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1916	ALL	465163.4	3808082	5.64E-08	30YrCancer	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1917	ALL	465183.4	3808082	5.53E-08	30YrCancer	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1918	ALL	465203.4	3808082	5.42E-08	30YrCancer	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1919	ALL	465223.4	3808082	5.31E-08	30YrCancer	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1920	ALL	465243.4	3808082	5.20E-08	30YrCancer	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1921	ALL	465263.4	3808082	5.10E-08	30YrCancer	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1922	ALL	465283.4	3808082	5.00E-08	30YrCancer	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1923	ALL	465303.4	3808082	4.91E-08	30YrCancer	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1924	ALL	465323.4	3808082	4.81E-08	30YrCancer	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1925	ALL	465343.4	3808082	4.73E-08	30YrCancer	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1926	ALL	465363.4	3808082	4.64E-08	30YrCancer	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1927	ALL	465383.4	3808082	4.55E-08	30YrCancer	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1928	ALL	465403.4	3808082	4.47E-08	30YrCancer	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1929	ALL	465423.4	3808082	4.39E-08	30YrCancer	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1930	ALL	465443.4	3808082	4.32E-08	30YrCancer	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1931	ALL	465463.4	3808082	4.24E-08	30YrCancer	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1932	ALL	465483.4	3808082	4.17E-08	30YrCancer	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1933	ALL	465503.4	3808082	4.10E-08	30YrCancer	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1934	ALL	465523.4	3808082	4.03E-08	30YrCancer	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1935	ALL	465543.4	3808082	3.97E-08	30YrCancer	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1936	ALL	465563.4	3808082	3.90E-08	30YrCancer	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1937	ALL	465583.4	3808082	3.84E-08	30YrCancer	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1938	ALL	465603.4	3808082	3.78E-08	30YrCancer	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1939	ALL	465623.4	3808082	3.72E-08	30YrCancer	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1940	ALL	465643.4	3808082	3.66E-08	30YrCancer	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1941	ALL	465663.4	3808082	3.60E-08	30YrCancer	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1942	ALL	465683.4	3808082	3.55E-08	30YrCancer	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1943	ALL	465703.4	3808082	3.49E-08	30YrCancer	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1944	ALL	464843.4	3808102	8.35E-08	30YrCancer	8.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1945	ALL	464863.4	3808102	8.14E-08	30YrCancer	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1946	ALL	464883.4	3808102	7.94E-08	30YrCancer	7.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1947	ALL	464903.4	3808102	7.74E-08	30YrCancer	7.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1948	ALL	464923.4	3808102	7.55E-08	30YrCancer	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1949	ALL	464943.4	3808102	7.37E-08	30YrCancer	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1950	ALL	464963.4	3808102	7.19E-08	30YrCancer	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1951	ALL	464983.4	3808102	7.02E-08	30YrCancer	7.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1952	ALL	465003.4	3808102	6.85E-08	30YrCancer	6.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1953	ALL	465023.4	3808102	6.69E-08	30YrCancer	6.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1954	ALL	465043.4	3808102	6.54E-08	30YrCancer	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1955	ALL	465063.4	3808102	6.39E-08	30YrCancer	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1956	ALL	465083.4	3808102	6.25E-08	30YrCancer	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1957	ALL	465103.4	3808102	6.11E-08	30YrCancer	6.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1958	ALL	465123.4	3808102	5.98E-08	30YrCancer	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1959	ALL	465143.4	3808102	5.86E-08	30YrCancer	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1960	ALL	465163.4	3808102	5.74E-08	30YrCancer	5.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1961	ALL	465183.4	3808102	5.62E-08	30YrCancer	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1962	ALL	465203.4	3808102	5.50E-08	30YrCancer	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1963	ALL	465223.4	3808102	5.39E-08	30YrCancer	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1964	ALL	465243.4	3808102	5.28E-08	30YrCancer	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1965	ALL	465263.4	3808102	5.18E-08	30YrCancer	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1966	ALL	465283.4	3808102	5.08E-08	30YrCancer	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1967	ALL	465303.4	3808102	4.98E-08	30YrCancer	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1968	ALL	465323.4	3808102	4.89E-08	30YrCancer	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1969	ALL	465343.4	3808102	4.80E-08	30YrCancer	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1970	ALL	465363.4	3808102	4.71E-08	30YrCancer	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1971	ALL	465383.4	3808102	4.62E-08	30YrCancer	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1972	ALL	465403.4	3808102	4.54E-08	30YrCancer	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1973	ALL	465423.4	3808102	4.46E-08	30YrCancer	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1974	ALL	465443.4	3808102	4.38E-08	30YrCancer	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1975	ALL	465463.4	3808102	4.30E-08	30YrCancer	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1976	ALL	465483.4	3808102	4.23E-08	30YrCancer	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1977	ALL	465503.4	3808102	4.16E-08	30YrCancer	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1978	ALL	465523.4	3808102	4.09E-08	30YrCancer	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1979	ALL	465543.4	3808102	4.02E-08	30YrCancer	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1980	ALL	465563.4	3808102	3.96E-08	30YrCancer	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1981	ALL	465583.4	3808102	3.89E-08	30YrCancer	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1982	ALL	465603.4	3808102	3.83E-08	30YrCancer	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1983	ALL	465623.4	3808102	3.77E-08	30YrCancer	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1984	ALL	465643.4	3808102	3.71E-08	30YrCancer	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1985	ALL	465663.4	3808102	3.65E-08	30YrCancer	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1986	ALL	465683.4	3808102	3.60E-08	30YrCancer	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1987	ALL	465703.4	3808102	3.54E-08	30YrCancer	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1988	ALL	464863.4	3808122	8.30E-08	30YrCancer	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1989	ALL	464883.4	3808122	8.10E-08	30YrCancer	8.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1990	ALL	464903.4	3808122	7.89E-08	30YrCancer	7.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1991	ALL	464923.4	3808122	7.70E-08	30YrCancer	7.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1992	ALL	464943.4	3808122	7.51E-08	30YrCancer	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1993	ALL	464963.4	3808122	7.32E-08	30YrCancer	7.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1994	ALL	464983.4	3808122	7.15E-08	30YrCancer	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1995	ALL	465003.4	3808122	6.98E-08	30YrCancer	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1996	ALL	465023.4	3808122	6.81E-08	30YrCancer	6.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1997	ALL	465043.4	3808122	6.66E-08	30YrCancer	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1998	ALL	465063.4	3808122	6.50E-08	30YrCancer	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1999	ALL	465083.4	3808122	6.36E-08	30YrCancer	6.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2000	ALL	465103.4	3808122	6.22E-08	30YrCancer	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2001	ALL	465123.4	3808122	6.09E-08	30YrCancer	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2002	ALL	465143.4	3808122	5.96E-08	30YrCancer	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2003	ALL	465163.4	3808122	5.83E-08	30YrCancer	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2004	ALL	465183.4	3808122	5.71E-08	30YrCancer	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2005	ALL	465203.4	3808122	5.59E-08	30YrCancer	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2006	ALL	465223.4	3808122	5.48E-08	30YrCancer	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2007	ALL	465243.4	3808122	5.37E-08	30YrCancer	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2008	ALL	465263.4	3808122	5.26E-08	30YrCancer	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2009	ALL	465283.4	3808122	5.16E-08	30YrCancer	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2010	ALL	465303.4	3808122	5.06E-08	30YrCancer	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2011	ALL	465323.4	3808122	4.96E-08	30YrCancer	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2012	ALL	465343.4	3808122	4.87E-08	30YrCancer	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2013	ALL	465363.4	3808122	4.78E-08	30YrCancer	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2014	ALL	465383.4	3808122	4.69E-08	30YrCancer	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2015	ALL	465403.4	3808122	4.61E-08	30YrCancer	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2016	ALL	465423.4	3808122	4.52E-08	30YrCancer	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2017	ALL	465443.4	3808122	4.44E-08	30YrCancer	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2018	ALL	465463.4	3808122	4.37E-08	30YrCancer	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2019	ALL	465483.4	3808122	4.29E-08	30YrCancer	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2020	ALL	465503.4	3808122	4.22E-08	30YrCancer	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2021	ALL	465523.4	3808122	4.15E-08	30YrCancer	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2022	ALL	465543.4	3808122	4.08E-08	30YrCancer	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2023 ALL	465563.4	3808122	4.01E-08	30YrCancer	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2024 ALL	465583.4	3808122	3.95E-08	30YrCancer	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2025 ALL	465603.4	3808122	3.88E-08	30YrCancer	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2026 ALL	465623.4	3808122	3.82E-08	30YrCancer	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2027 ALL	465643.4	3808122	3.76E-08	30YrCancer	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2028 ALL	465663.4	3808122	3.70E-08	30YrCancer	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2029 ALL	465683.4	3808122	3.65E-08	30YrCancer	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2030 ALL	465703.4	3808122	3.59E-08	30YrCancer	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2031 ALL	464883.4	3808142	8.26E-08	30YrCancer	8.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2032 ALL	464903.4	3808142	8.05E-08	30YrCancer	8.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2033 ALL	464923.4	3808142	7.85E-08	30YrCancer	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2034 ALL	464943.4	3808142	7.66E-08	30YrCancer	7.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2035 ALL	464963.4	3808142	7.47E-08	30YrCancer	7.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2036 ALL	464983.4	3808142	7.29E-08	30YrCancer	7.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2037 ALL	465003.4	3808142	7.11E-08	30YrCancer	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2038 ALL	465023.4	3808142	6.94E-08	30YrCancer	6.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2039 ALL	465043.4	3808142	6.78E-08	30YrCancer	6.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2040 ALL	465063.4	3808142	6.62E-08	30YrCancer	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2041 ALL	465083.4	3808142	6.47E-08	30YrCancer	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2042 ALL	465103.4	3808142	6.33E-08	30YrCancer	6.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2043 ALL	465123.4	3808142	6.20E-08	30YrCancer	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2044 ALL	465143.4	3808142	6.06E-08	30YrCancer	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2045 ALL	465163.4	3808142	5.93E-08	30YrCancer	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2046 ALL	465183.4	3808142	5.81E-08	30YrCancer	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2047 ALL	465203.4	3808142	5.69E-08	30YrCancer	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2048 ALL	465223.4	3808142	5.57E-08	30YrCancer	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2049 ALL	465243.4	3808142	5.46E-08	30YrCancer	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2050 ALL	465263.4	3808142	5.35E-08	30YrCancer	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2051 ALL	465283.4	3808142	5.24E-08	30YrCancer	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2052 ALL	465303.4	3808142	5.14E-08	30YrCancer	5.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2053 ALL	465323.4	3808142	5.04E-08	30YrCancer	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2054 ALL	465343.4	3808142	4.95E-08	30YrCancer	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2055 ALL	465363.4	3808142	4.85E-08	30YrCancer	4.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2056 ALL	465383.4	3808142	4.76E-08	30YrCancer	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2057 ALL	465403.4	3808142	4.68E-08	30YrCancer	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2058 ALL	465423.4	3808142	4.59E-08	30YrCancer	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2059 ALL	465443.4	3808142	4.51E-08	30YrCancer	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2060 ALL	465463.4	3808142	4.43E-08	30YrCancer	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2061 ALL	465483.4	3808142	4.35E-08	30YrCancer	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2062 ALL	465503.4	3808142	4.28E-08	30YrCancer	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2063 ALL	465523.4	3808142	4.21E-08	30YrCancer	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2064 ALL	465543.4	3808142	4.14E-08	30YrCancer	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2065 ALL	465563.4	3808142	4.07E-08	30YrCancer	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2066 ALL	465583.4	3808142	4.00E-08	30YrCancer	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2067	ALL	465603.4	3808142	3.94E-08	30YrCancer	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2068	ALL	465623.4	3808142	3.87E-08	30YrCancer	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2069	ALL	465643.4	3808142	3.81E-08	30YrCancer	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2070	ALL	465663.4	3808142	3.75E-08	30YrCancer	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2071	ALL	465683.4	3808142	3.70E-08	30YrCancer	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2072	ALL	465703.4	3808142	3.64E-08	30YrCancer	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2073	ALL	464883.4	3808162	8.43E-08	30YrCancer	8.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2074	ALL	464903.4	3808162	8.22E-08	30YrCancer	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2075	ALL	464923.4	3808162	8.01E-08	30YrCancer	8.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2076	ALL	464943.4	3808162	7.81E-08	30YrCancer	7.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2077	ALL	464963.4	3808162	7.62E-08	30YrCancer	7.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2078	ALL	464983.4	3808162	7.43E-08	30YrCancer	7.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2079	ALL	465003.4	3808162	7.25E-08	30YrCancer	7.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2080	ALL	465023.4	3808162	7.08E-08	30YrCancer	7.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2081	ALL	465043.4	3808162	6.91E-08	30YrCancer	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2082	ALL	465063.4	3808162	6.75E-08	30YrCancer	6.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2083	ALL	465083.4	3808162	6.59E-08	30YrCancer	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2084	ALL	465103.4	3808162	6.45E-08	30YrCancer	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2085	ALL	465123.4	3808162	6.31E-08	30YrCancer	6.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2086	ALL	465143.4	3808162	6.17E-08	30YrCancer	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2087	ALL	465163.4	3808162	6.04E-08	30YrCancer	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2088	ALL	465183.4	3808162	5.91E-08	30YrCancer	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2089	ALL	465203.4	3808162	5.78E-08	30YrCancer	5.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2090	ALL	465223.4	3808162	5.66E-08	30YrCancer	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2091	ALL	465243.4	3808162	5.55E-08	30YrCancer	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2092	ALL	465263.4	3808162	5.44E-08	30YrCancer	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2093	ALL	465283.4	3808162	5.33E-08	30YrCancer	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2094	ALL	465303.4	3808162	5.22E-08	30YrCancer	5.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2095	ALL	465323.4	3808162	5.12E-08	30YrCancer	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2096	ALL	465343.4	3808162	5.02E-08	30YrCancer	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2097	ALL	465363.4	3808162	4.93E-08	30YrCancer	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2098	ALL	465383.4	3808162	4.84E-08	30YrCancer	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2099	ALL	465403.4	3808162	4.75E-08	30YrCancer	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2100	ALL	465423.4	3808162	4.66E-08	30YrCancer	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2101	ALL	465443.4	3808162	4.58E-08	30YrCancer	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2102	ALL	465463.4	3808162	4.50E-08	30YrCancer	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2103	ALL	465483.4	3808162	4.42E-08	30YrCancer	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2104	ALL	465503.4	3808162	4.35E-08	30YrCancer	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2105	ALL	465523.4	3808162	4.27E-08	30YrCancer	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2106	ALL	465543.4	3808162	4.20E-08	30YrCancer	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2107	ALL	465563.4	3808162	4.13E-08	30YrCancer	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2108	ALL	465583.4	3808162	4.06E-08	30YrCancer	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2109	ALL	465603.4	3808162	4.00E-08	30YrCancer	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2110	ALL	465623.4	3808162	3.93E-08	30YrCancer	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2111	ALL	465643.4	3808162	3.87E-08	30YrCancer	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2112	ALL	465663.4	3808162	3.81E-08	30YrCancer	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2113	ALL	465683.4	3808162	3.75E-08	30YrCancer	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2114	ALL	465703.4	3808162	3.69E-08	30YrCancer	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2115	ALL	464903.4	3808182	8.39E-08	30YrCancer	8.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2116	ALL	464923.4	3808182	8.18E-08	30YrCancer	8.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2117	ALL	464943.4	3808182	7.97E-08	30YrCancer	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2118	ALL	464963.4	3808182	7.77E-08	30YrCancer	7.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2119	ALL	464983.4	3808182	7.58E-08	30YrCancer	7.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2120	ALL	465003.4	3808182	7.39E-08	30YrCancer	7.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2121	ALL	465023.4	3808182	7.22E-08	30YrCancer	7.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2122	ALL	465043.4	3808182	7.04E-08	30YrCancer	7.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2123	ALL	465063.4	3808182	6.88E-08	30YrCancer	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2124	ALL	465083.4	3808182	6.72E-08	30YrCancer	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2125	ALL	465103.4	3808182	6.57E-08	30YrCancer	6.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2126	ALL	465123.4	3808182	6.42E-08	30YrCancer	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2127	ALL	465143.4	3808182	6.28E-08	30YrCancer	6.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2128	ALL	465163.4	3808182	6.15E-08	30YrCancer	6.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2129	ALL	465183.4	3808182	6.01E-08	30YrCancer	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2130	ALL	465203.4	3808182	5.89E-08	30YrCancer	5.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2131	ALL	465223.4	3808182	5.76E-08	30YrCancer	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2132	ALL	465243.4	3808182	5.64E-08	30YrCancer	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2133	ALL	465263.4	3808182	5.53E-08	30YrCancer	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2134	ALL	465283.4	3808182	5.42E-08	30YrCancer	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2135	ALL	465303.4	3808182	5.31E-08	30YrCancer	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2136	ALL	465323.4	3808182	5.21E-08	30YrCancer	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2137	ALL	465343.4	3808182	5.11E-08	30YrCancer	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2138	ALL	465363.4	3808182	5.01E-08	30YrCancer	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2139	ALL	465383.4	3808182	4.91E-08	30YrCancer	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2140	ALL	465403.4	3808182	4.82E-08	30YrCancer	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2141	ALL	465423.4	3808182	4.74E-08	30YrCancer	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2142	ALL	465443.4	3808182	4.65E-08	30YrCancer	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2143	ALL	465463.4	3808182	4.57E-08	30YrCancer	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2144	ALL	465483.4	3808182	4.49E-08	30YrCancer	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2145	ALL	465503.4	3808182	4.41E-08	30YrCancer	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2146	ALL	465523.4	3808182	4.34E-08	30YrCancer	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2147	ALL	465543.4	3808182	4.26E-08	30YrCancer	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2148	ALL	465563.4	3808182	4.19E-08	30YrCancer	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2149	ALL	465583.4	3808182	4.12E-08	30YrCancer	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2150	ALL	465603.4	3808182	4.05E-08	30YrCancer	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2151	ALL	465623.4	3808182	3.99E-08	30YrCancer	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2152	ALL	465643.4	3808182	3.92E-08	30YrCancer	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2153	ALL	465663.4	3808182	3.86E-08	30YrCancer	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2154	ALL	465683.4	3808182	3.80E-08	30YrCancer	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2155 ALL	465703.4	3808182	3.74E-08	30YrCancer	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2156 ALL	464923.4	3808202	8.35E-08	30YrCancer	8.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2157 ALL	464943.4	3808202	8.14E-08	30YrCancer	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2158 ALL	464963.4	3808202	7.93E-08	30YrCancer	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2159 ALL	464983.4	3808202	7.73E-08	30YrCancer	7.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2160 ALL	465003.4	3808202	7.54E-08	30YrCancer	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2161 ALL	465023.4	3808202	7.36E-08	30YrCancer	7.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2162 ALL	465043.4	3808202	7.18E-08	30YrCancer	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2163 ALL	465063.4	3808202	7.01E-08	30YrCancer	7.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2164 ALL	465083.4	3808202	6.85E-08	30YrCancer	6.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2165 ALL	465103.4	3808202	6.70E-08	30YrCancer	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2166 ALL	465123.4	3808202	6.54E-08	30YrCancer	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2167 ALL	465143.4	3808202	6.40E-08	30YrCancer	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2168 ALL	465163.4	3808202	6.26E-08	30YrCancer	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2169 ALL	465183.4	3808202	6.12E-08	30YrCancer	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2170 ALL	465203.4	3808202	5.99E-08	30YrCancer	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2171 ALL	465223.4	3808202	5.86E-08	30YrCancer	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2172 ALL	465243.4	3808202	5.74E-08	30YrCancer	5.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2173 ALL	465263.4	3808202	5.62E-08	30YrCancer	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2174 ALL	465283.4	3808202	5.51E-08	30YrCancer	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2175 ALL	465303.4	3808202	5.40E-08	30YrCancer	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2176 ALL	465323.4	3808202	5.29E-08	30YrCancer	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2177 ALL	465343.4	3808202	5.19E-08	30YrCancer	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2178 ALL	465363.4	3808202	5.09E-08	30YrCancer	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2179 ALL	465383.4	3808202	5.00E-08	30YrCancer	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2180 ALL	465403.4	3808202	4.90E-08	30YrCancer	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2181 ALL	465423.4	3808202	4.81E-08	30YrCancer	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2182 ALL	465443.4	3808202	4.73E-08	30YrCancer	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2183 ALL	465463.4	3808202	4.64E-08	30YrCancer	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2184 ALL	465483.4	3808202	4.56E-08	30YrCancer	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2185 ALL	465503.4	3808202	4.48E-08	30YrCancer	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2186 ALL	465523.4	3808202	4.40E-08	30YrCancer	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2187 ALL	465543.4	3808202	4.32E-08	30YrCancer	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2188 ALL	465563.4	3808202	4.25E-08	30YrCancer	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2189 ALL	465583.4	3808202	4.18E-08	30YrCancer	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2190 ALL	465603.4	3808202	4.11E-08	30YrCancer	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2191 ALL	465623.4	3808202	4.04E-08	30YrCancer	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2192 ALL	465643.4	3808202	3.98E-08	30YrCancer	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2193 ALL	465663.4	3808202	3.92E-08	30YrCancer	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2194 ALL	465683.4	3808202	3.86E-08	30YrCancer	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2195 ALL	465703.4	3808202	3.79E-08	30YrCancer	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2196 ALL	464943.4	3808222	8.31E-08	30YrCancer	8.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2197 ALL	464963.4	3808222	8.10E-08	30YrCancer	8.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2198 ALL	464983.4	3808222	7.89E-08	30YrCancer	7.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2199	ALL	465003.4	3808222	7.70E-08	30YrCancer	7.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2200	ALL	465023.4	3808222	7.51E-08	30YrCancer	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2201	ALL	465043.4	3808222	7.33E-08	30YrCancer	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2202	ALL	465063.4	3808222	7.16E-08	30YrCancer	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2203	ALL	465083.4	3808222	6.99E-08	30YrCancer	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2204	ALL	465103.4	3808222	6.82E-08	30YrCancer	6.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2205	ALL	465123.4	3808222	6.67E-08	30YrCancer	6.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2206	ALL	465143.4	3808222	6.52E-08	30YrCancer	6.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2207	ALL	465163.4	3808222	6.37E-08	30YrCancer	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2208	ALL	465183.4	3808222	6.23E-08	30YrCancer	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2209	ALL	465203.4	3808222	6.10E-08	30YrCancer	6.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2210	ALL	465223.4	3808222	5.97E-08	30YrCancer	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2211	ALL	465243.4	3808222	5.84E-08	30YrCancer	5.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2212	ALL	465263.4	3808222	5.72E-08	30YrCancer	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2213	ALL	465283.4	3808222	5.60E-08	30YrCancer	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2214	ALL	465303.4	3808222	5.49E-08	30YrCancer	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2215	ALL	465323.4	3808222	5.38E-08	30YrCancer	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2216	ALL	465343.4	3808222	5.27E-08	30YrCancer	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2217	ALL	465363.4	3808222	5.18E-08	30YrCancer	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2218	ALL	465383.4	3808222	5.08E-08	30YrCancer	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2219	ALL	465403.4	3808222	4.98E-08	30YrCancer	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2220	ALL	465423.4	3808222	4.89E-08	30YrCancer	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2221	ALL	465443.4	3808222	4.80E-08	30YrCancer	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2222	ALL	465463.4	3808222	4.71E-08	30YrCancer	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2223	ALL	465483.4	3808222	4.63E-08	30YrCancer	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2224	ALL	465503.4	3808222	4.55E-08	30YrCancer	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2225	ALL	465523.4	3808222	4.47E-08	30YrCancer	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2226	ALL	465543.4	3808222	4.39E-08	30YrCancer	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2227	ALL	465563.4	3808222	4.31E-08	30YrCancer	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2228	ALL	465583.4	3808222	4.24E-08	30YrCancer	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2229	ALL	465603.4	3808222	4.17E-08	30YrCancer	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2230	ALL	465623.4	3808222	4.10E-08	30YrCancer	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2231	ALL	465643.4	3808222	4.04E-08	30YrCancer	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2232	ALL	465663.4	3808222	3.97E-08	30YrCancer	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2233	ALL	465683.4	3808222	3.91E-08	30YrCancer	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2234	ALL	465703.4	3808222	3.85E-08	30YrCancer	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2235	ALL	464963.4	3808242	8.28E-08	30YrCancer	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2236	ALL	464983.4	3808242	8.06E-08	30YrCancer	8.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2237	ALL	465003.4	3808242	7.86E-08	30YrCancer	7.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2238	ALL	465023.4	3808242	7.67E-08	30YrCancer	7.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2239	ALL	465043.4	3808242	7.48E-08	30YrCancer	7.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2240	ALL	465063.4	3808242	7.30E-08	30YrCancer	7.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2241	ALL	465083.4	3808242	7.12E-08	30YrCancer	7.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2242	ALL	465103.4	3808242	6.95E-08	30YrCancer	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2243	ALL	465123.4	3808242	6.79E-08	30YrCancer	6.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2244	ALL	465143.4	3808242	6.64E-08	30YrCancer	6.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2245	ALL	465163.4	3808242	6.49E-08	30YrCancer	6.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2246	ALL	465183.4	3808242	6.35E-08	30YrCancer	6.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2247	ALL	465203.4	3808242	6.21E-08	30YrCancer	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2248	ALL	465223.4	3808242	6.07E-08	30YrCancer	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2249	ALL	465243.4	3808242	5.94E-08	30YrCancer	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2250	ALL	465263.4	3808242	5.82E-08	30YrCancer	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2251	ALL	465283.4	3808242	5.70E-08	30YrCancer	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2252	ALL	465303.4	3808242	5.58E-08	30YrCancer	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2253	ALL	465323.4	3808242	5.47E-08	30YrCancer	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2254	ALL	465343.4	3808242	5.36E-08	30YrCancer	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2255	ALL	465363.4	3808242	5.26E-08	30YrCancer	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2256	ALL	465383.4	3808242	5.16E-08	30YrCancer	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2257	ALL	465403.4	3808242	5.06E-08	30YrCancer	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2258	ALL	465423.4	3808242	4.97E-08	30YrCancer	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2259	ALL	465443.4	3808242	4.87E-08	30YrCancer	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2260	ALL	465463.4	3808242	4.78E-08	30YrCancer	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2261	ALL	465483.4	3808242	4.70E-08	30YrCancer	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2262	ALL	465503.4	3808242	4.62E-08	30YrCancer	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2263	ALL	465523.4	3808242	4.53E-08	30YrCancer	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2264	ALL	465543.4	3808242	4.45E-08	30YrCancer	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2265	ALL	465563.4	3808242	4.38E-08	30YrCancer	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2266	ALL	465583.4	3808242	4.30E-08	30YrCancer	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2267	ALL	465603.4	3808242	4.23E-08	30YrCancer	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2268	ALL	465623.4	3808242	4.16E-08	30YrCancer	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2269	ALL	465643.4	3808242	4.09E-08	30YrCancer	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2270	ALL	465663.4	3808242	4.03E-08	30YrCancer	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2271	ALL	465683.4	3808242	3.96E-08	30YrCancer	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2272	ALL	465703.4	3808242	3.90E-08	30YrCancer	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2273	ALL	464983.4	3808262	8.23E-08	30YrCancer	8.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2274	ALL	465003.4	3808262	8.02E-08	30YrCancer	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2275	ALL	465023.4	3808262	7.82E-08	30YrCancer	7.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2276	ALL	465043.4	3808262	7.63E-08	30YrCancer	7.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2277	ALL	465063.4	3808262	7.44E-08	30YrCancer	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2278	ALL	465083.4	3808262	7.26E-08	30YrCancer	7.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2279	ALL	465103.4	3808262	7.09E-08	30YrCancer	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2280	ALL	465123.4	3808262	6.92E-08	30YrCancer	6.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2281	ALL	465143.4	3808262	6.76E-08	30YrCancer	6.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2282	ALL	465163.4	3808262	6.61E-08	30YrCancer	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2283	ALL	465183.4	3808262	6.46E-08	30YrCancer	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2284	ALL	465203.4	3808262	6.32E-08	30YrCancer	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2285	ALL	465223.4	3808262	6.18E-08	30YrCancer	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2286	ALL	465243.4	3808262	6.05E-08	30YrCancer	6.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2287	ALL	465263.4	3808262	5.92E-08	30YrCancer	5.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2288	ALL	465283.4	3808262	5.80E-08	30YrCancer	5.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2289	ALL	465303.4	3808262	5.68E-08	30YrCancer	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2290	ALL	465323.4	3808262	5.56E-08	30YrCancer	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2291	ALL	465343.4	3808262	5.45E-08	30YrCancer	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2292	ALL	465363.4	3808262	5.35E-08	30YrCancer	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2293	ALL	465383.4	3808262	5.25E-08	30YrCancer	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2294	ALL	465403.4	3808262	5.14E-08	30YrCancer	5.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2295	ALL	465423.4	3808262	5.05E-08	30YrCancer	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2296	ALL	465443.4	3808262	4.95E-08	30YrCancer	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2297	ALL	465463.4	3808262	4.86E-08	30YrCancer	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2298	ALL	465483.4	3808262	4.77E-08	30YrCancer	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2299	ALL	465503.4	3808262	4.68E-08	30YrCancer	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2300	ALL	465523.4	3808262	4.60E-08	30YrCancer	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2301	ALL	465543.4	3808262	4.52E-08	30YrCancer	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2302	ALL	465563.4	3808262	4.45E-08	30YrCancer	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2303	ALL	465583.4	3808262	4.37E-08	30YrCancer	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2304	ALL	465603.4	3808262	4.29E-08	30YrCancer	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2305	ALL	465623.4	3808262	4.22E-08	30YrCancer	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2306	ALL	465643.4	3808262	4.15E-08	30YrCancer	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2307	ALL	465663.4	3808262	4.08E-08	30YrCancer	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2308	ALL	465683.4	3808262	4.02E-08	30YrCancer	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2309	ALL	465703.4	3808262	3.95E-08	30YrCancer	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2310	ALL	465003.4	3808282	8.18E-08	30YrCancer	8.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2311	ALL	465023.4	3808282	7.98E-08	30YrCancer	7.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2312	ALL	465043.4	3808282	7.78E-08	30YrCancer	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2313	ALL	465063.4	3808282	7.59E-08	30YrCancer	7.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2314	ALL	465083.4	3808282	7.41E-08	30YrCancer	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2315	ALL	465103.4	3808282	7.23E-08	30YrCancer	7.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2316	ALL	465123.4	3808282	7.06E-08	30YrCancer	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2317	ALL	465143.4	3808282	6.89E-08	30YrCancer	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2318	ALL	465163.4	3808282	6.73E-08	30YrCancer	6.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2319	ALL	465183.4	3808282	6.58E-08	30YrCancer	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2320	ALL	465203.4	3808282	6.43E-08	30YrCancer	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2321	ALL	465223.4	3808282	6.29E-08	30YrCancer	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2322	ALL	465243.4	3808282	6.16E-08	30YrCancer	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2323	ALL	465263.4	3808282	6.02E-08	30YrCancer	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2324	ALL	465283.4	3808282	5.90E-08	30YrCancer	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2325	ALL	465303.4	3808282	5.77E-08	30YrCancer	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2326	ALL	465323.4	3808282	5.66E-08	30YrCancer	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2327	ALL	465343.4	3808282	5.54E-08	30YrCancer	5.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2328	ALL	465363.4	3808282	5.44E-08	30YrCancer	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2329	ALL	465383.4	3808282	5.33E-08	30YrCancer	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2330	ALL	465403.4	3808282	5.23E-08	30YrCancer	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2331	ALL	465423.4	3808282	5.13E-08	30YrCancer	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2332	ALL	465443.4	3808282	5.04E-08	30YrCancer	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2333	ALL	465463.4	3808282	4.94E-08	30YrCancer	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2334	ALL	465483.4	3808282	4.85E-08	30YrCancer	4.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2335	ALL	465503.4	3808282	4.76E-08	30YrCancer	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2336	ALL	465523.4	3808282	4.67E-08	30YrCancer	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2337	ALL	465543.4	3808282	4.59E-08	30YrCancer	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2338	ALL	465563.4	3808282	4.51E-08	30YrCancer	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2339	ALL	465583.4	3808282	4.43E-08	30YrCancer	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2340	ALL	465603.4	3808282	4.35E-08	30YrCancer	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2341	ALL	465623.4	3808282	4.28E-08	30YrCancer	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2342	ALL	465643.4	3808282	4.21E-08	30YrCancer	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2343	ALL	465663.4	3808282	4.14E-08	30YrCancer	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2344	ALL	465683.4	3808282	4.08E-08	30YrCancer	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2345	ALL	465703.4	3808282	4.01E-08	30YrCancer	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2346	ALL	465003.4	3808302	8.34E-08	30YrCancer	8.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2347	ALL	465023.4	3808302	8.14E-08	30YrCancer	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2348	ALL	465043.4	3808302	7.94E-08	30YrCancer	7.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2349	ALL	465063.4	3808302	7.73E-08	30YrCancer	7.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2350	ALL	465083.4	3808302	7.55E-08	30YrCancer	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2351	ALL	465103.4	3808302	7.37E-08	30YrCancer	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2352	ALL	465123.4	3808302	7.19E-08	30YrCancer	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2353	ALL	465143.4	3808302	7.02E-08	30YrCancer	7.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2354	ALL	465163.4	3808302	6.86E-08	30YrCancer	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2355	ALL	465183.4	3808302	6.70E-08	30YrCancer	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2356	ALL	465203.4	3808302	6.55E-08	30YrCancer	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2357	ALL	465223.4	3808302	6.40E-08	30YrCancer	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2358	ALL	465243.4	3808302	6.26E-08	30YrCancer	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2359	ALL	465263.4	3808302	6.13E-08	30YrCancer	6.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2360	ALL	465283.4	3808302	6.00E-08	30YrCancer	6.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2361	ALL	465303.4	3808302	5.87E-08	30YrCancer	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2362	ALL	465323.4	3808302	5.75E-08	30YrCancer	5.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2363	ALL	465343.4	3808302	5.64E-08	30YrCancer	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2364	ALL	465363.4	3808302	5.52E-08	30YrCancer	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2365	ALL	465383.4	3808302	5.42E-08	30YrCancer	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2366	ALL	465403.4	3808302	5.31E-08	30YrCancer	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2367	ALL	465423.4	3808302	5.21E-08	30YrCancer	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2368	ALL	465443.4	3808302	5.11E-08	30YrCancer	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2369	ALL	465463.4	3808302	5.01E-08	30YrCancer	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2370	ALL	465483.4	3808302	4.92E-08	30YrCancer	4.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2371	ALL	465503.4	3808302	4.83E-08	30YrCancer	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2372	ALL	465523.4	3808302	4.74E-08	30YrCancer	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2373	ALL	465543.4	3808302	4.66E-08	30YrCancer	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2374	ALL	465563.4	3808302	4.57E-08	30YrCancer	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2375 ALL	465583.4	3808302	4.49E-08	30YrCancer	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2376 ALL	465603.4	3808302	4.41E-08	30YrCancer	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2377 ALL	465623.4	3808302	4.34E-08	30YrCancer	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2378 ALL	465643.4	3808302	4.27E-08	30YrCancer	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2379 ALL	465663.4	3808302	4.19E-08	30YrCancer	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2380 ALL	465683.4	3808302	4.13E-08	30YrCancer	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2381 ALL	465703.4	3808302	4.06E-08	30YrCancer	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2382 ALL	465043.4	3808322	8.09E-08	30YrCancer	8.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2383 ALL	465063.4	3808322	7.89E-08	30YrCancer	7.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2384 ALL	465083.4	3808322	7.69E-08	30YrCancer	7.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2385 ALL	465103.4	3808322	7.51E-08	30YrCancer	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2386 ALL	465123.4	3808322	7.33E-08	30YrCancer	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2387 ALL	465143.4	3808322	7.15E-08	30YrCancer	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2388 ALL	465163.4	3808322	6.99E-08	30YrCancer	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2389 ALL	465183.4	3808322	6.82E-08	30YrCancer	6.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2390 ALL	465203.4	3808322	6.67E-08	30YrCancer	6.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2391 ALL	465223.4	3808322	6.52E-08	30YrCancer	6.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2392 ALL	465243.4	3808322	6.37E-08	30YrCancer	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2393 ALL	465263.4	3808322	6.23E-08	30YrCancer	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2394 ALL	465283.4	3808322	6.10E-08	30YrCancer	6.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2395 ALL	465303.4	3808322	5.97E-08	30YrCancer	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2396 ALL	465323.4	3808322	5.85E-08	30YrCancer	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2397 ALL	465343.4	3808322	5.73E-08	30YrCancer	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2398 ALL	465363.4	3808322	5.61E-08	30YrCancer	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2399 ALL	465383.4	3808322	5.51E-08	30YrCancer	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2400 ALL	465403.4	3808322	5.40E-08	30YrCancer	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2401 ALL	465423.4	3808322	5.29E-08	30YrCancer	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2402 ALL	465443.4	3808322	5.19E-08	30YrCancer	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2403 ALL	465463.4	3808322	5.09E-08	30YrCancer	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2404 ALL	465483.4	3808322	4.99E-08	30YrCancer	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2405 ALL	465503.4	3808322	4.90E-08	30YrCancer	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2406 ALL	465523.4	3808322	4.81E-08	30YrCancer	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2407 ALL	465543.4	3808322	4.72E-08	30YrCancer	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2408 ALL	465563.4	3808322	4.64E-08	30YrCancer	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2409 ALL	465583.4	3808322	4.56E-08	30YrCancer	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2410 ALL	465603.4	3808322	4.47E-08	30YrCancer	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2411 ALL	465623.4	3808322	4.40E-08	30YrCancer	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2412 ALL	465643.4	3808322	4.33E-08	30YrCancer	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2413 ALL	465663.4	3808322	4.25E-08	30YrCancer	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2414 ALL	465683.4	3808322	4.18E-08	30YrCancer	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2415 ALL	465703.4	3808322	4.12E-08	30YrCancer	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2416 ALL	465083.4	3808342	7.84E-08	30YrCancer	7.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2417 ALL	465103.4	3808342	7.65E-08	30YrCancer	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2418 ALL	465123.4	3808342	7.46E-08	30YrCancer	7.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2419	ALL	465143.4	3808342	7.28E-08	30YrCancer	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2420	ALL	465163.4	3808342	7.11E-08	30YrCancer	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2421	ALL	465183.4	3808342	6.95E-08	30YrCancer	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2422	ALL	465203.4	3808342	6.79E-08	30YrCancer	6.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2423	ALL	465223.4	3808342	6.63E-08	30YrCancer	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2424	ALL	465243.4	3808342	6.48E-08	30YrCancer	6.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2425	ALL	465263.4	3808342	6.34E-08	30YrCancer	6.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2426	ALL	465283.4	3808342	6.20E-08	30YrCancer	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2427	ALL	465303.4	3808342	6.07E-08	30YrCancer	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2428	ALL	465323.4	3808342	5.94E-08	30YrCancer	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2429	ALL	465343.4	3808342	5.83E-08	30YrCancer	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2430	ALL	465363.4	3808342	5.71E-08	30YrCancer	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2431	ALL	465383.4	3808342	5.59E-08	30YrCancer	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2432	ALL	465403.4	3808342	5.48E-08	30YrCancer	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2433	ALL	465423.4	3808342	5.37E-08	30YrCancer	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2434	ALL	465443.4	3808342	5.27E-08	30YrCancer	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2435	ALL	465463.4	3808342	5.16E-08	30YrCancer	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2436	ALL	465483.4	3808342	5.07E-08	30YrCancer	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2437	ALL	465503.4	3808342	4.97E-08	30YrCancer	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2438	ALL	465523.4	3808342	4.88E-08	30YrCancer	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2439	ALL	465543.4	3808342	4.79E-08	30YrCancer	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2440	ALL	465563.4	3808342	4.70E-08	30YrCancer	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2441	ALL	465583.4	3808342	4.62E-08	30YrCancer	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2442	ALL	465603.4	3808342	4.54E-08	30YrCancer	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2443	ALL	465623.4	3808342	4.46E-08	30YrCancer	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2444	ALL	465643.4	3808342	4.38E-08	30YrCancer	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2445	ALL	465663.4	3808342	4.31E-08	30YrCancer	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2446	ALL	465683.4	3808342	4.24E-08	30YrCancer	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2447	ALL	465703.4	3808342	4.17E-08	30YrCancer	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2448	ALL	465103.4	3808362	7.79E-08	30YrCancer	7.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2449	ALL	465123.4	3808362	7.60E-08	30YrCancer	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2450	ALL	465143.4	3808362	7.42E-08	30YrCancer	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2451	ALL	465163.4	3808362	7.24E-08	30YrCancer	7.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2452	ALL	465183.4	3808362	7.07E-08	30YrCancer	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2453	ALL	465203.4	3808362	6.90E-08	30YrCancer	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2454	ALL	465223.4	3808362	6.74E-08	30YrCancer	6.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2455	ALL	465243.4	3808362	6.59E-08	30YrCancer	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2456	ALL	465263.4	3808362	6.45E-08	30YrCancer	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2457	ALL	465283.4	3808362	6.31E-08	30YrCancer	6.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2458	ALL	465303.4	3808362	6.17E-08	30YrCancer	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2459	ALL	465323.4	3808362	6.04E-08	30YrCancer	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2460	ALL	465343.4	3808362	5.92E-08	30YrCancer	5.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2461	ALL	465363.4	3808362	5.79E-08	30YrCancer	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2462	ALL	465383.4	3808362	5.67E-08	30YrCancer	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2463	ALL	465403.4	3808362	5.56E-08	30YrCancer	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2464	ALL	465423.4	3808362	5.45E-08	30YrCancer	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2465	ALL	465443.4	3808362	5.34E-08	30YrCancer	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2466	ALL	465463.4	3808362	5.24E-08	30YrCancer	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2467	ALL	465483.4	3808362	5.14E-08	30YrCancer	5.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2468	ALL	465503.4	3808362	5.04E-08	30YrCancer	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2469	ALL	465523.4	3808362	4.94E-08	30YrCancer	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2470	ALL	465543.4	3808362	4.85E-08	30YrCancer	4.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2471	ALL	465563.4	3808362	4.77E-08	30YrCancer	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2472	ALL	465583.4	3808362	4.68E-08	30YrCancer	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2473	ALL	465603.4	3808362	4.59E-08	30YrCancer	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2474	ALL	465623.4	3808362	4.52E-08	30YrCancer	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2475	ALL	465643.4	3808362	4.44E-08	30YrCancer	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2476	ALL	465663.4	3808362	4.36E-08	30YrCancer	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2477	ALL	465683.4	3808362	4.29E-08	30YrCancer	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2478	ALL	465703.4	3808362	4.22E-08	30YrCancer	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2479	ALL	465183.4	3808382	7.18E-08	30YrCancer	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2480	ALL	465203.4	3808382	7.02E-08	30YrCancer	7.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2481	ALL	465223.4	3808382	6.86E-08	30YrCancer	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2482	ALL	465243.4	3808382	6.70E-08	30YrCancer	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2483	ALL	465263.4	3808382	6.55E-08	30YrCancer	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2484	ALL	465283.4	3808382	6.41E-08	30YrCancer	6.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2485	ALL	465303.4	3808382	6.27E-08	30YrCancer	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2486	ALL	465323.4	3808382	6.14E-08	30YrCancer	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2487	ALL	465343.4	3808382	6.01E-08	30YrCancer	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2488	ALL	465363.4	3808382	5.88E-08	30YrCancer	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2489	ALL	465383.4	3808382	5.76E-08	30YrCancer	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2490	ALL	465403.4	3808382	5.64E-08	30YrCancer	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2491	ALL	465423.4	3808382	5.53E-08	30YrCancer	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2492	ALL	465443.4	3808382	5.42E-08	30YrCancer	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2493	ALL	465463.4	3808382	5.31E-08	30YrCancer	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2494	ALL	465483.4	3808382	5.21E-08	30YrCancer	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2495	ALL	465503.4	3808382	5.11E-08	30YrCancer	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2496	ALL	465523.4	3808382	5.01E-08	30YrCancer	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2497	ALL	465543.4	3808382	4.92E-08	30YrCancer	4.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2498	ALL	465563.4	3808382	4.83E-08	30YrCancer	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2499	ALL	465583.4	3808382	4.74E-08	30YrCancer	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2500	ALL	465603.4	3808382	4.66E-08	30YrCancer	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2501	ALL	465623.4	3808382	4.58E-08	30YrCancer	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2502	ALL	465643.4	3808382	4.50E-08	30YrCancer	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2503	ALL	465663.4	3808382	4.42E-08	30YrCancer	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2504	ALL	465683.4	3808382	4.34E-08	30YrCancer	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2505	ALL	465703.4	3808382	4.28E-08	30YrCancer	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2506	ALL	465303.4	3808402	6.37E-08	30YrCancer	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2507	ALL	465323.4	3808402	6.23E-08	30YrCancer	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2508	ALL	465343.4	3808402	6.10E-08	30YrCancer	6.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2509	ALL	465363.4	3808402	5.97E-08	30YrCancer	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2510	ALL	465383.4	3808402	5.85E-08	30YrCancer	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2511	ALL	465403.4	3808402	5.73E-08	30YrCancer	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2512	ALL	465423.4	3808402	5.61E-08	30YrCancer	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2513	ALL	465443.4	3808402	5.50E-08	30YrCancer	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2514	ALL	465463.4	3808402	5.39E-08	30YrCancer	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2515	ALL	465483.4	3808402	5.28E-08	30YrCancer	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2516	ALL	465503.4	3808402	5.18E-08	30YrCancer	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2517	ALL	465523.4	3808402	5.08E-08	30YrCancer	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2518	ALL	465543.4	3808402	4.99E-08	30YrCancer	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2519	ALL	465563.4	3808402	4.89E-08	30YrCancer	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2520	ALL	465583.4	3808402	4.80E-08	30YrCancer	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2521	ALL	465603.4	3808402	4.72E-08	30YrCancer	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2522	ALL	465623.4	3808402	4.63E-08	30YrCancer	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2523	ALL	465643.4	3808402	4.55E-08	30YrCancer	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2524	ALL	465663.4	3808402	4.47E-08	30YrCancer	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2525	ALL	465683.4	3808402	4.40E-08	30YrCancer	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2526	ALL	465703.4	3808402	4.33E-08	30YrCancer	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2527	ALL	465323.4	3808422	6.32E-08	30YrCancer	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2528	ALL	465343.4	3808422	6.19E-08	30YrCancer	6.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2529	ALL	465363.4	3808422	6.06E-08	30YrCancer	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2530	ALL	465383.4	3808422	5.93E-08	30YrCancer	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2531	ALL	465403.4	3808422	5.81E-08	30YrCancer	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2532	ALL	465423.4	3808422	5.69E-08	30YrCancer	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2533	ALL	465443.4	3808422	5.57E-08	30YrCancer	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2534	ALL	465463.4	3808422	5.46E-08	30YrCancer	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2535	ALL	465483.4	3808422	5.35E-08	30YrCancer	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2536	ALL	465503.4	3808422	5.25E-08	30YrCancer	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2537	ALL	465523.4	3808422	5.15E-08	30YrCancer	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2538	ALL	465543.4	3808422	5.05E-08	30YrCancer	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2539	ALL	465563.4	3808422	4.95E-08	30YrCancer	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2540	ALL	465583.4	3808422	4.86E-08	30YrCancer	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2541	ALL	465603.4	3808422	4.77E-08	30YrCancer	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2542	ALL	465623.4	3808422	4.69E-08	30YrCancer	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2543	ALL	465643.4	3808422	4.61E-08	30YrCancer	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2544	ALL	465663.4	3808422	4.53E-08	30YrCancer	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2545	ALL	465683.4	3808422	4.45E-08	30YrCancer	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2546	ALL	465703.4	3808422	4.38E-08	30YrCancer	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2547	ALL	465323.4	3808442	6.41E-08	30YrCancer	6.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2548	ALL	465343.4	3808442	6.27E-08	30YrCancer	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2549	ALL	465363.4	3808442	6.14E-08	30YrCancer	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2550	ALL	465383.4	3808442	6.01E-08	30YrCancer	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2551	ALL	465403.4	3808442	5.88E-08	30YrCancer	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2552	ALL	465423.4	3808442	5.76E-08	30YrCancer	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2553	ALL	465443.4	3808442	5.64E-08	30YrCancer	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2554	ALL	465463.4	3808442	5.53E-08	30YrCancer	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2555	ALL	465483.4	3808442	5.42E-08	30YrCancer	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2556	ALL	465503.4	3808442	5.31E-08	30YrCancer	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2557	ALL	465523.4	3808442	5.21E-08	30YrCancer	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2558	ALL	465543.4	3808442	5.11E-08	30YrCancer	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2559	ALL	465563.4	3808442	5.01E-08	30YrCancer	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2560	ALL	465583.4	3808442	4.92E-08	30YrCancer	4.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2561	ALL	465603.4	3808442	4.83E-08	30YrCancer	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2562	ALL	465623.4	3808442	4.74E-08	30YrCancer	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2563	ALL	465643.4	3808442	4.67E-08	30YrCancer	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2564	ALL	465663.4	3808442	4.58E-08	30YrCancer	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2565	ALL	465683.4	3808442	4.50E-08	30YrCancer	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2566	ALL	465703.4	3808442	4.43E-08	30YrCancer	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2567	ALL	465343.4	3808462	6.37E-08	30YrCancer	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2568	ALL	465363.4	3808462	6.22E-08	30YrCancer	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2569	ALL	465383.4	3808462	6.09E-08	30YrCancer	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2570	ALL	465403.4	3808462	5.96E-08	30YrCancer	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2571	ALL	465423.4	3808462	5.83E-08	30YrCancer	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2572	ALL	465443.4	3808462	5.71E-08	30YrCancer	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2573	ALL	465463.4	3808462	5.60E-08	30YrCancer	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2574	ALL	465483.4	3808462	5.49E-08	30YrCancer	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2575	ALL	465503.4	3808462	5.38E-08	30YrCancer	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2576	ALL	465523.4	3808462	5.27E-08	30YrCancer	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2577	ALL	465543.4	3808462	5.17E-08	30YrCancer	5.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2578	ALL	465563.4	3808462	5.07E-08	30YrCancer	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2579	ALL	465583.4	3808462	4.97E-08	30YrCancer	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2580	ALL	465603.4	3808462	4.88E-08	30YrCancer	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2581	ALL	465623.4	3808462	4.79E-08	30YrCancer	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2582	ALL	465643.4	3808462	4.72E-08	30YrCancer	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2583	ALL	465663.4	3808462	4.63E-08	30YrCancer	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2584	ALL	465683.4	3808462	4.55E-08	30YrCancer	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2585	ALL	465703.4	3808462	4.47E-08	30YrCancer	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2586	ALL	465343.4	3808482	6.44E-08	30YrCancer	6.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2587	ALL	465363.4	3808482	6.31E-08	30YrCancer	6.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2588	ALL	465383.4	3808482	6.17E-08	30YrCancer	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2589	ALL	465403.4	3808482	6.03E-08	30YrCancer	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2590	ALL	465423.4	3808482	5.90E-08	30YrCancer	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2591	ALL	465443.4	3808482	5.78E-08	30YrCancer	5.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2592	ALL	465463.4	3808482	5.66E-08	30YrCancer	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2593	ALL	465483.4	3808482	5.55E-08	30YrCancer	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2594	ALL	465503.4	3808482	5.44E-08	30YrCancer	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2595	ALL	465523.4	3808482	5.33E-08	30YrCancer	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2596	ALL	465543.4	3808482	5.22E-08	30YrCancer	5.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2597	ALL	465563.4	3808482	5.12E-08	30YrCancer	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2598	ALL	465583.4	3808482	5.03E-08	30YrCancer	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2599	ALL	465603.4	3808482	4.93E-08	30YrCancer	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2600	ALL	465623.4	3808482	4.84E-08	30YrCancer	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2601	ALL	465643.4	3808482	4.77E-08	30YrCancer	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2602	ALL	465663.4	3808482	4.68E-08	30YrCancer	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2603	ALL	465683.4	3808482	4.60E-08	30YrCancer	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2604	ALL	465703.4	3808482	4.52E-08	30YrCancer	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2605	ALL	465463.4	3808502	5.73E-08	30YrCancer	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2606	ALL	465483.4	3808502	5.62E-08	30YrCancer	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2607	ALL	465503.4	3808502	5.51E-08	30YrCancer	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2608	ALL	465523.4	3808502	5.39E-08	30YrCancer	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2609	ALL	465543.4	3808502	5.28E-08	30YrCancer	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2610	ALL	465563.4	3808502	5.18E-08	30YrCancer	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2611	ALL	465583.4	3808502	5.08E-08	30YrCancer	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2612	ALL	465603.4	3808502	4.98E-08	30YrCancer	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2613	ALL	465623.4	3808502	4.89E-08	30YrCancer	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2614	ALL	465643.4	3808502	4.81E-08	30YrCancer	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2615	ALL	465663.4	3808502	4.73E-08	30YrCancer	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2616	ALL	465683.4	3808502	4.64E-08	30YrCancer	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2617	ALL	465703.4	3808502	4.56E-08	30YrCancer	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2618	ALL	465523.4	3808522	5.45E-08	30YrCancer	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2619	ALL	465543.4	3808522	5.34E-08	30YrCancer	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2620	ALL	465563.4	3808522	5.23E-08	30YrCancer	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2621	ALL	465583.4	3808522	5.13E-08	30YrCancer	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2622	ALL	465603.4	3808522	5.03E-08	30YrCancer	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2623	ALL	465623.4	3808522	4.95E-08	30YrCancer	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2624	ALL	465643.4	3808522	4.86E-08	30YrCancer	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2625	ALL	465663.4	3808522	4.77E-08	30YrCancer	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2626	ALL	465683.4	3808522	4.69E-08	30YrCancer	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2627	ALL	465703.4	3808522	4.61E-08	30YrCancer	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2628	ALL	464239.3	3809562	7.09E-07	30YrCancer	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2629	ALL	464277.3	3809562	7.04E-07	30YrCancer	7.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2630	ALL	463745.3	3809591	5.19E-07	30YrCancer	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2631	ALL	463783.3	3809591	5.15E-07	30YrCancer	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2632	ALL	463821.3	3809591	5.07E-07	30YrCancer	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2633	ALL	463859.3	3809591	5.05E-07	30YrCancer	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2634	ALL	463897.3	3809591	5.14E-07	30YrCancer	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2635	ALL	463935.3	3809591	5.21E-07	30YrCancer	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2636	ALL	464239.3	3809591	4.85E-07	30YrCancer	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2637	ALL	464277.3	3809591	4.79E-07	30YrCancer	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2638	ALL	463745.3	3809620	4.09E-07	30YrCancer	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2639	ALL	463783.3	3809620	4.08E-07	30YrCancer	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2640	ALL	463821.3	3809620	4.07E-07	30YrCancer	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2641	ALL	463859.3	3809620	4.06E-07	30YrCancer	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2642	ALL	463897.3	3809620	4.09E-07	30YrCancer	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2643	ALL	463935.3	3809620	4.14E-07	30YrCancer	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2644	ALL	463973.3	3809620	4.14E-07	30YrCancer	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2645	ALL	464011.3	3809620	4.11E-07	30YrCancer	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2646	ALL	464049.3	3809620	4.06E-07	30YrCancer	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2647	ALL	464087.3	3809620	4.00E-07	30YrCancer	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2648	ALL	464125.3	3809620	3.95E-07	30YrCancer	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2649	ALL	464163.3	3809620	3.91E-07	30YrCancer	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2650	ALL	464201.3	3809620	3.84E-07	30YrCancer	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2651	ALL	464239.3	3809620	3.82E-07	30YrCancer	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2652	ALL	464277.3	3809620	3.77E-07	30YrCancer	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2653	ALL	463745.3	3809649	3.45E-07	30YrCancer	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2654	ALL	463783.3	3809649	3.47E-07	30YrCancer	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2655	ALL	463821.3	3809649	3.47E-07	30YrCancer	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2656	ALL	463859.3	3809649	3.46E-07	30YrCancer	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2657	ALL	463897.3	3809649	3.48E-07	30YrCancer	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2658	ALL	463935.3	3809649	3.50E-07	30YrCancer	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2659	ALL	463973.3	3809649	3.48E-07	30YrCancer	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2660	ALL	464011.3	3809649	3.47E-07	30YrCancer	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2661	ALL	464049.3	3809649	3.44E-07	30YrCancer	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2662	ALL	464087.3	3809649	3.39E-07	30YrCancer	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2663	ALL	464125.3	3809649	3.35E-07	30YrCancer	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2664	ALL	464163.3	3809649	3.31E-07	30YrCancer	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2665	ALL	464201.3	3809649	3.26E-07	30YrCancer	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2666	ALL	464239.3	3809649	3.23E-07	30YrCancer	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2667	ALL	464277.3	3809649	3.18E-07	30YrCancer	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2668	ALL	464315.3	3809649	3.13E-07	30YrCancer	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2669	ALL	464353.3	3809649	3.10E-07	30YrCancer	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2670	ALL	464391.3	3809649	3.07E-07	30YrCancer	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2671	ALL	464429.3	3809649	3.04E-07	30YrCancer	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2672	ALL	464467.3	3809649	3.01E-07	30YrCancer	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2673	ALL	464505.3	3809649	2.99E-07	30YrCancer	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2674	ALL	463745.3	3809679	3.00E-07	30YrCancer	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2675	ALL	463783.3	3809679	3.03E-07	30YrCancer	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2676	ALL	463821.3	3809679	3.06E-07	30YrCancer	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2677	ALL	463859.3	3809679	3.05E-07	30YrCancer	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2678	ALL	463897.3	3809679	3.06E-07	30YrCancer	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2679	ALL	463935.3	3809679	3.08E-07	30YrCancer	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2680	ALL	463973.3	3809679	3.07E-07	30YrCancer	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2681	ALL	464011.3	3809679	3.04E-07	30YrCancer	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2682	ALL	464049.3	3809679	3.03E-07	30YrCancer	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2683	ALL	464087.3	3809679	2.99E-07	30YrCancer	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2684	ALL	464125.3	3809679	2.96E-07	30YrCancer	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2685	ALL	464163.3	3809679	2.91E-07	30YrCancer	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2686	ALL	464201.3	3809679	2.88E-07	30YrCancer	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2687	ALL	464239.3	3809679	2.83E-07	30YrCancer	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2688	ALL	464277.3	3809679	2.79E-07	30YrCancer	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2689	ALL	464315.3	3809679	2.75E-07	30YrCancer	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2690	ALL	464353.3	3809679	2.72E-07	30YrCancer	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2691	ALL	464391.3	3809679	2.69E-07	30YrCancer	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2692	ALL	464429.3	3809679	2.65E-07	30YrCancer	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2693	ALL	464467.3	3809679	2.64E-07	30YrCancer	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2694	ALL	464505.3	3809679	2.60E-07	30YrCancer	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2695	ALL	463745.3	3809708	2.69E-07	30YrCancer	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2696	ALL	463783.3	3809708	2.71E-07	30YrCancer	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2697	ALL	463821.3	3809708	2.74E-07	30YrCancer	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2698	ALL	463859.3	3809708	2.75E-07	30YrCancer	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2699	ALL	463897.3	3809708	2.75E-07	30YrCancer	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2700	ALL	463935.3	3809708	2.77E-07	30YrCancer	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2701	ALL	463973.3	3809708	2.76E-07	30YrCancer	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2702	ALL	464011.3	3809708	2.74E-07	30YrCancer	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2703	ALL	464049.3	3809708	2.73E-07	30YrCancer	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2704	ALL	464087.3	3809708	2.70E-07	30YrCancer	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2705	ALL	464125.3	3809708	2.66E-07	30YrCancer	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2706	ALL	464163.3	3809708	2.63E-07	30YrCancer	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2707	ALL	464201.3	3809708	2.59E-07	30YrCancer	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2708	ALL	464239.3	3809708	2.55E-07	30YrCancer	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2709	ALL	464277.3	3809708	2.51E-07	30YrCancer	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2710	ALL	464315.3	3809708	2.48E-07	30YrCancer	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2711	ALL	464353.3	3809708	2.44E-07	30YrCancer	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2712	ALL	464391.3	3809708	2.41E-07	30YrCancer	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2713	ALL	464429.3	3809708	2.38E-07	30YrCancer	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2714	ALL	464467.3	3809708	2.35E-07	30YrCancer	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2715	ALL	464505.3	3809708	2.33E-07	30YrCancer	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2716	ALL	463745.3	3809737	2.46E-07	30YrCancer	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2717	ALL	463783.3	3809737	2.47E-07	30YrCancer	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2718	ALL	463821.3	3809737	2.47E-07	30YrCancer	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2719	ALL	463859.3	3809737	2.49E-07	30YrCancer	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2720	ALL	463897.3	3809737	2.51E-07	30YrCancer	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2721	ALL	463935.3	3809737	2.51E-07	30YrCancer	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2722	ALL	463973.3	3809737	2.52E-07	30YrCancer	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2723	ALL	464011.3	3809737	2.52E-07	30YrCancer	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2724	ALL	464049.3	3809737	2.50E-07	30YrCancer	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2725	ALL	464087.3	3809737	2.47E-07	30YrCancer	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2726	ALL	464125.3	3809737	2.44E-07	30YrCancer	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2727 ALL	464163.3	3809737	2.41E-07	30YrCancer	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2728 ALL	464201.3	3809737	2.37E-07	30YrCancer	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2729 ALL	464239.3	3809737	2.33E-07	30YrCancer	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2730 ALL	464277.3	3809737	2.29E-07	30YrCancer	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2731 ALL	464315.3	3809737	2.26E-07	30YrCancer	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2732 ALL	464353.3	3809737	2.23E-07	30YrCancer	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2733 ALL	464391.3	3809737	2.20E-07	30YrCancer	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2734 ALL	464429.3	3809737	2.17E-07	30YrCancer	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2735 ALL	464467.3	3809737	2.15E-07	30YrCancer	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2736 ALL	464505.3	3809737	2.12E-07	30YrCancer	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2737 ALL	463745.3	3809766	2.28E-07	30YrCancer	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2738 ALL	463783.3	3809766	2.28E-07	30YrCancer	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2739 ALL	463821.3	3809766	2.28E-07	30YrCancer	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2740 ALL	463859.3	3809766	2.29E-07	30YrCancer	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2741 ALL	463897.3	3809766	2.30E-07	30YrCancer	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2742 ALL	463935.3	3809766	2.30E-07	30YrCancer	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2743 ALL	463973.3	3809766	2.30E-07	30YrCancer	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2744 ALL	464011.3	3809766	2.32E-07	30YrCancer	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2745 ALL	464049.3	3809766	2.32E-07	30YrCancer	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2746 ALL	464087.3	3809766	2.29E-07	30YrCancer	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2747 ALL	464125.3	3809766	2.26E-07	30YrCancer	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2748 ALL	464163.3	3809766	2.23E-07	30YrCancer	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2749 ALL	464201.3	3809766	2.20E-07	30YrCancer	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2750 ALL	464239.3	3809766	2.16E-07	30YrCancer	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2751 ALL	464277.3	3809766	2.12E-07	30YrCancer	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2752 ALL	464315.3	3809766	2.09E-07	30YrCancer	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2753 ALL	464353.3	3809766	2.06E-07	30YrCancer	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2754 ALL	464391.3	3809766	2.03E-07	30YrCancer	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2755 ALL	464429.3	3809766	2.01E-07	30YrCancer	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2756 ALL	464467.3	3809766	1.98E-07	30YrCancer	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2757 ALL	464505.3	3809766	1.96E-07	30YrCancer	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2758 ALL	463745.3	3809795	2.13E-07	30YrCancer	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2759 ALL	463783.3	3809795	2.12E-07	30YrCancer	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2760 ALL	463821.3	3809795	2.12E-07	30YrCancer	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2761 ALL	463859.3	3809795	2.12E-07	30YrCancer	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2762 ALL	463897.3	3809795	2.13E-07	30YrCancer	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2763 ALL	463935.3	3809795	2.12E-07	30YrCancer	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2764 ALL	463973.3	3809795	2.12E-07	30YrCancer	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2765 ALL	464011.3	3809795	2.14E-07	30YrCancer	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2766 ALL	464049.3	3809795	2.16E-07	30YrCancer	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2767 ALL	464087.3	3809795	2.14E-07	30YrCancer	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2768 ALL	464125.3	3809795	2.11E-07	30YrCancer	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2769 ALL	464163.3	3809795	2.08E-07	30YrCancer	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2770 ALL	464201.3	3809795	2.05E-07	30YrCancer	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2771 ALL	464239.3	3809795	2.01E-07	30YrCancer	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2772 ALL	464277.3	3809795	1.98E-07	30YrCancer	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2773 ALL	464315.3	3809795	1.95E-07	30YrCancer	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2774 ALL	464353.3	3809795	1.92E-07	30YrCancer	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2775 ALL	464391.3	3809795	1.89E-07	30YrCancer	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2776 ALL	464429.3	3809795	1.87E-07	30YrCancer	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2777 ALL	464467.3	3809795	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2778 ALL	464505.3	3809795	1.82E-07	30YrCancer	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2779 ALL	463745.3	3809824	2.00E-07	30YrCancer	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2780 ALL	463783.3	3809824	1.98E-07	30YrCancer	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2781 ALL	463821.3	3809824	1.97E-07	30YrCancer	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2782 ALL	463859.3	3809824	1.97E-07	30YrCancer	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2783 ALL	463897.3	3809824	1.97E-07	30YrCancer	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2784 ALL	463935.3	3809824	1.97E-07	30YrCancer	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2785 ALL	463973.3	3809824	1.97E-07	30YrCancer	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2786 ALL	464011.3	3809824	1.98E-07	30YrCancer	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2787 ALL	464049.3	3809824	2.01E-07	30YrCancer	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2788 ALL	464087.3	3809824	2.00E-07	30YrCancer	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2789 ALL	464125.3	3809824	1.99E-07	30YrCancer	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2790 ALL	464163.3	3809824	1.96E-07	30YrCancer	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2791 ALL	464201.3	3809824	1.92E-07	30YrCancer	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2792 ALL	464239.3	3809824	1.89E-07	30YrCancer	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2793 ALL	464277.3	3809824	1.86E-07	30YrCancer	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2794 ALL	464315.3	3809824	1.83E-07	30YrCancer	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2795 ALL	464353.3	3809824	1.80E-07	30YrCancer	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2796 ALL	464391.3	3809824	1.78E-07	30YrCancer	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2797 ALL	464429.3	3809824	1.75E-07	30YrCancer	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2798 ALL	464467.3	3809824	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2799 ALL	464505.3	3809824	1.71E-07	30YrCancer	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2800 ALL	463745.3	3809853	1.89E-07	30YrCancer	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2801 ALL	463783.3	3809853	1.87E-07	30YrCancer	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2802 ALL	463821.3	3809853	1.85E-07	30YrCancer	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2803 ALL	463859.3	3809853	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2804 ALL	463897.3	3809853	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2805 ALL	463935.3	3809853	1.83E-07	30YrCancer	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2806 ALL	463973.3	3809853	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2807 ALL	464011.3	3809853	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2808 ALL	464049.3	3809853	1.86E-07	30YrCancer	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2809 ALL	464087.3	3809853	1.87E-07	30YrCancer	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2810 ALL	464125.3	3809853	1.86E-07	30YrCancer	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2811 ALL	464163.3	3809853	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2812 ALL	464201.3	3809853	1.81E-07	30YrCancer	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2813 ALL	464239.3	3809853	1.78E-07	30YrCancer	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2814 ALL	464277.3	3809853	1.75E-07	30YrCancer	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2815	ALL	464315.3	3809853	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2816	ALL	464353.3	3809853	1.70E-07	30YrCancer	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2817	ALL	464391.3	3809853	1.67E-07	30YrCancer	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2818	ALL	464429.3	3809853	1.65E-07	30YrCancer	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2819	ALL	464467.3	3809853	1.63E-07	30YrCancer	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2820	ALL	464505.3	3809853	1.61E-07	30YrCancer	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2821	ALL	463745.3	3809882	1.80E-07	30YrCancer	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2822	ALL	463783.3	3809882	1.78E-07	30YrCancer	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2823	ALL	463821.3	3809882	1.75E-07	30YrCancer	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2824	ALL	463859.3	3809882	1.74E-07	30YrCancer	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2825	ALL	463897.3	3809882	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2826	ALL	463935.3	3809882	1.72E-07	30YrCancer	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2827	ALL	463973.3	3809882	1.72E-07	30YrCancer	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2828	ALL	464011.3	3809882	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2829	ALL	464049.3	3809882	1.74E-07	30YrCancer	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2830	ALL	464087.3	3809882	1.75E-07	30YrCancer	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2831	ALL	464125.3	3809882	1.74E-07	30YrCancer	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2832	ALL	464163.3	3809882	1.72E-07	30YrCancer	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2833	ALL	464201.3	3809882	1.71E-07	30YrCancer	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2834	ALL	464239.3	3809882	1.68E-07	30YrCancer	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2835	ALL	464277.3	3809882	1.66E-07	30YrCancer	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2836	ALL	464315.3	3809882	1.64E-07	30YrCancer	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2837	ALL	464353.3	3809882	1.61E-07	30YrCancer	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2838	ALL	464391.3	3809882	1.59E-07	30YrCancer	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2839	ALL	464429.3	3809882	1.57E-07	30YrCancer	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2840	ALL	464467.3	3809882	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2841	ALL	464505.3	3809882	1.53E-07	30YrCancer	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2842	ALL	463745.3	3809911	1.71E-07	30YrCancer	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2843	ALL	463783.3	3809911	1.69E-07	30YrCancer	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2844	ALL	463821.3	3809911	1.67E-07	30YrCancer	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2845	ALL	463859.3	3809911	1.65E-07	30YrCancer	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2846	ALL	463897.3	3809911	1.64E-07	30YrCancer	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2847	ALL	463935.3	3809911	1.62E-07	30YrCancer	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2848	ALL	463973.3	3809911	1.62E-07	30YrCancer	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2849	ALL	464011.3	3809911	1.63E-07	30YrCancer	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2850	ALL	464049.3	3809911	1.64E-07	30YrCancer	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2851	ALL	464087.3	3809911	1.64E-07	30YrCancer	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2852	ALL	464125.3	3809911	1.64E-07	30YrCancer	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2853	ALL	464163.3	3809911	1.63E-07	30YrCancer	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2854	ALL	464201.3	3809911	1.61E-07	30YrCancer	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2855	ALL	464239.3	3809911	1.59E-07	30YrCancer	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2856	ALL	464277.3	3809911	1.57E-07	30YrCancer	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2857	ALL	464315.3	3809911	1.55E-07	30YrCancer	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2858	ALL	464353.3	3809911	1.53E-07	30YrCancer	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2859 ALL	464391.3	3809911	1.51E-07	30YrCancer	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2860 ALL	464429.3	3809911	1.49E-07	30YrCancer	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2861 ALL	464467.3	3809911	1.47E-07	30YrCancer	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2862 ALL	464505.3	3809911	1.45E-07	30YrCancer	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2863 ALL	463745.3	3809940	1.63E-07	30YrCancer	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2864 ALL	463783.3	3809940	1.61E-07	30YrCancer	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2865 ALL	463821.3	3809940	1.59E-07	30YrCancer	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2866 ALL	463859.3	3809940	1.57E-07	30YrCancer	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2867 ALL	463897.3	3809940	1.56E-07	30YrCancer	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2868 ALL	463935.3	3809940	1.55E-07	30YrCancer	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2869 ALL	463973.3	3809940	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2870 ALL	464011.3	3809940	1.53E-07	30YrCancer	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2871 ALL	464049.3	3809940	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2872 ALL	464087.3	3809940	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2873 ALL	464125.3	3809940	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2874 ALL	464163.3	3809940	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2875 ALL	464201.3	3809940	1.53E-07	30YrCancer	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2876 ALL	464239.3	3809940	1.52E-07	30YrCancer	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2877 ALL	464277.3	3809940	1.50E-07	30YrCancer	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2878 ALL	464315.3	3809940	1.48E-07	30YrCancer	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2879 ALL	464353.3	3809940	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2880 ALL	464391.3	3809940	1.44E-07	30YrCancer	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2881 ALL	464429.3	3809940	1.42E-07	30YrCancer	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2882 ALL	464467.3	3809940	1.40E-07	30YrCancer	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2883 ALL	464505.3	3809940	1.38E-07	30YrCancer	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2884 ALL	463745.3	3809969	1.58E-07	30YrCancer	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2885 ALL	463783.3	3809969	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2886 ALL	463821.3	3809969	1.52E-07	30YrCancer	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2887 ALL	463859.3	3809969	1.51E-07	30YrCancer	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2888 ALL	463897.3	3809969	1.49E-07	30YrCancer	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2889 ALL	463935.3	3809969	1.48E-07	30YrCancer	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2890 ALL	463973.3	3809969	1.47E-07	30YrCancer	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2891 ALL	464011.3	3809969	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2892 ALL	464049.3	3809969	1.45E-07	30YrCancer	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2893 ALL	464087.3	3809969	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2894 ALL	464125.3	3809969	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2895 ALL	464163.3	3809969	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2896 ALL	464201.3	3809969	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2897 ALL	464239.3	3809969	1.45E-07	30YrCancer	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2898 ALL	464277.3	3809969	1.43E-07	30YrCancer	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2899 ALL	464315.3	3809969	1.41E-07	30YrCancer	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2900 ALL	464353.3	3809969	1.40E-07	30YrCancer	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2901 ALL	464391.3	3809969	1.38E-07	30YrCancer	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2902 ALL	464429.3	3809969	1.36E-07	30YrCancer	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2903	ALL	464467.3	3809969	1.34E-07	30YrCancer	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2904	ALL	464505.3	3809969	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2905	ALL	463745.3	3809998	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2906	ALL	463783.3	3809998	1.49E-07	30YrCancer	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2907	ALL	463821.3	3809998	1.47E-07	30YrCancer	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2908	ALL	463859.3	3809998	1.44E-07	30YrCancer	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2909	ALL	463897.3	3809998	1.43E-07	30YrCancer	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2910	ALL	463935.3	3809998	1.41E-07	30YrCancer	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2911	ALL	463973.3	3809998	1.41E-07	30YrCancer	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2912	ALL	464011.3	3809998	1.39E-07	30YrCancer	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2913	ALL	464049.3	3809998	1.39E-07	30YrCancer	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2914	ALL	464087.3	3809998	1.38E-07	30YrCancer	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2915	ALL	464125.3	3809998	1.39E-07	30YrCancer	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2916	ALL	464163.3	3809998	1.39E-07	30YrCancer	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2917	ALL	464201.3	3809998	1.39E-07	30YrCancer	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2918	ALL	464239.3	3809998	1.38E-07	30YrCancer	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2919	ALL	464277.3	3809998	1.37E-07	30YrCancer	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2920	ALL	464315.3	3809998	1.35E-07	30YrCancer	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2921	ALL	464353.3	3809998	1.34E-07	30YrCancer	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2922	ALL	464391.3	3809998	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2923	ALL	464429.3	3809998	1.30E-07	30YrCancer	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2924	ALL	464467.3	3809998	1.28E-07	30YrCancer	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2925	ALL	464505.3	3809998	1.27E-07	30YrCancer	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2926	ALL	463745.3	3810027	1.51E-07	30YrCancer	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2927	ALL	463783.3	3810027	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2928	ALL	463821.3	3810027	1.42E-07	30YrCancer	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2929	ALL	463859.3	3810027	1.39E-07	30YrCancer	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2930	ALL	463897.3	3810027	1.38E-07	30YrCancer	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2931	ALL	463935.3	3810027	1.36E-07	30YrCancer	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2932	ALL	463973.3	3810027	1.35E-07	30YrCancer	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2933	ALL	464011.3	3810027	1.34E-07	30YrCancer	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2934	ALL	464049.3	3810027	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2935	ALL	464087.3	3810027	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2936	ALL	464125.3	3810027	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2937	ALL	464163.3	3810027	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2938	ALL	464201.3	3810027	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2939	ALL	464239.3	3810027	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2940	ALL	464277.3	3810027	1.31E-07	30YrCancer	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2941	ALL	464315.3	3810027	1.30E-07	30YrCancer	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2942	ALL	464353.3	3810027	1.28E-07	30YrCancer	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2943	ALL	464391.3	3810027	1.27E-07	30YrCancer	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2944	ALL	464429.3	3810027	1.25E-07	30YrCancer	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2945	ALL	464467.3	3810027	1.23E-07	30YrCancer	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2946	ALL	464505.3	3810027	1.21E-07	30YrCancer	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2947	ALL	463745.3	3810056	1.48E-07	30YrCancer	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2948	ALL	463783.3	3810056	1.42E-07	30YrCancer	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2949	ALL	463821.3	3810056	1.38E-07	30YrCancer	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2950	ALL	463859.3	3810056	1.35E-07	30YrCancer	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2951	ALL	463897.3	3810056	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2952	ALL	463935.3	3810056	1.31E-07	30YrCancer	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2953	ALL	463973.3	3810056	1.30E-07	30YrCancer	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2954	ALL	464011.3	3810056	1.29E-07	30YrCancer	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2955	ALL	464049.3	3810056	1.27E-07	30YrCancer	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2956	ALL	464087.3	3810056	1.27E-07	30YrCancer	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2957	ALL	464125.3	3810056	1.26E-07	30YrCancer	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2958	ALL	464163.3	3810056	1.27E-07	30YrCancer	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2959	ALL	464201.3	3810056	1.27E-07	30YrCancer	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2960	ALL	464239.3	3810056	1.26E-07	30YrCancer	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2961	ALL	464277.3	3810056	1.26E-07	30YrCancer	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2962	ALL	464315.3	3810056	1.25E-07	30YrCancer	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2963	ALL	464353.3	3810056	1.23E-07	30YrCancer	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2964	ALL	464391.3	3810056	1.22E-07	30YrCancer	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2965	ALL	464429.3	3810056	1.20E-07	30YrCancer	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2966	ALL	464467.3	3810056	1.18E-07	30YrCancer	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2967	ALL	464505.3	3810056	1.17E-07	30YrCancer	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2968	ALL	463745.3	3810085	1.45E-07	30YrCancer	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2969	ALL	463783.3	3810085	1.39E-07	30YrCancer	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2970	ALL	463821.3	3810085	1.34E-07	30YrCancer	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2971	ALL	463859.3	3810085	1.31E-07	30YrCancer	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2972	ALL	463897.3	3810085	1.29E-07	30YrCancer	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2973	ALL	463935.3	3810085	1.27E-07	30YrCancer	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2974	ALL	463973.3	3810085	1.25E-07	30YrCancer	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2975	ALL	464011.3	3810085	1.24E-07	30YrCancer	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2976	ALL	464049.3	3810085	1.22E-07	30YrCancer	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2977	ALL	464087.3	3810085	1.21E-07	30YrCancer	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2978	ALL	464125.3	3810085	1.21E-07	30YrCancer	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2979	ALL	464163.3	3810085	1.21E-07	30YrCancer	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2980	ALL	464201.3	3810085	1.21E-07	30YrCancer	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2981	ALL	464239.3	3810085	1.21E-07	30YrCancer	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2982	ALL	464277.3	3810085	1.20E-07	30YrCancer	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2983	ALL	464315.3	3810085	1.19E-07	30YrCancer	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2984	ALL	464353.3	3810085	1.18E-07	30YrCancer	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2985	ALL	464391.3	3810085	1.17E-07	30YrCancer	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2986	ALL	464429.3	3810085	1.15E-07	30YrCancer	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2987	ALL	464467.3	3810085	1.14E-07	30YrCancer	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2988	ALL	464505.3	3810085	1.12E-07	30YrCancer	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2989	ALL	463745.3	3810114	1.42E-07	30YrCancer	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2990	ALL	463783.3	3810114	1.37E-07	30YrCancer	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2991	ALL	463821.3	3810114	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2992	ALL	463859.3	3810114	1.28E-07	30YrCancer	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2993	ALL	463897.3	3810114	1.25E-07	30YrCancer	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2994	ALL	463935.3	3810114	1.23E-07	30YrCancer	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2995	ALL	463973.3	3810114	1.21E-07	30YrCancer	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2996	ALL	464011.3	3810114	1.19E-07	30YrCancer	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2997	ALL	464049.3	3810114	1.18E-07	30YrCancer	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2998	ALL	464087.3	3810114	1.17E-07	30YrCancer	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2999	ALL	464125.3	3810114	1.16E-07	30YrCancer	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3000	ALL	464163.3	3810114	1.15E-07	30YrCancer	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3001	ALL	464201.3	3810114	1.15E-07	30YrCancer	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3002	ALL	464239.3	3810114	1.16E-07	30YrCancer	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3003	ALL	464277.3	3810114	1.15E-07	30YrCancer	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3004	ALL	464315.3	3810114	1.14E-07	30YrCancer	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3005	ALL	464353.3	3810114	1.13E-07	30YrCancer	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3006	ALL	464391.3	3810114	1.12E-07	30YrCancer	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3007	ALL	464429.3	3810114	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3008	ALL	464467.3	3810114	1.09E-07	30YrCancer	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3009	ALL	464505.3	3810114	1.08E-07	30YrCancer	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3010	ALL	463745.3	3810144	1.37E-07	30YrCancer	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3011	ALL	463783.3	3810144	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3012	ALL	463821.3	3810144	1.30E-07	30YrCancer	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3013	ALL	463859.3	3810144	1.26E-07	30YrCancer	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3014	ALL	463897.3	3810144	1.22E-07	30YrCancer	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3015	ALL	463935.3	3810144	1.19E-07	30YrCancer	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3016	ALL	463973.3	3810144	1.17E-07	30YrCancer	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3017	ALL	464011.3	3810144	1.15E-07	30YrCancer	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3018	ALL	464049.3	3810144	1.14E-07	30YrCancer	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3019	ALL	464087.3	3810144	1.12E-07	30YrCancer	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3020	ALL	464125.3	3810144	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3021	ALL	464163.3	3810144	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3022	ALL	464201.3	3810144	1.10E-07	30YrCancer	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3023	ALL	464239.3	3810144	1.10E-07	30YrCancer	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3024	ALL	464277.3	3810144	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3025	ALL	464315.3	3810144	1.10E-07	30YrCancer	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3026	ALL	464353.3	3810144	1.08E-07	30YrCancer	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3027	ALL	464391.3	3810144	1.07E-07	30YrCancer	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3028	ALL	464429.3	3810144	1.06E-07	30YrCancer	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3029	ALL	464467.3	3810144	1.05E-07	30YrCancer	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3030	ALL	464505.3	3810144	1.04E-07	30YrCancer	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3031	ALL	464383.8	3807479	5.04E-08	30YrCancer	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3032	ALL	464355	3807405	4.76E-08	30YrCancer	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3033	ALL	464402.1	3807352	4.27E-08	30YrCancer	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3034	ALL	464367.2	3807296	4.14E-08	30YrCancer	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3035	ALL	464358.5	3807238	3.83E-08	30YrCancer	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3036	ALL	464385.5	3807161	3.51E-08	30YrCancer	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3037	ALL	463132.3	3810926	7.85E-08	30YrCancer	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3038	ALL	463237.8	3811199	8.51E-08	30YrCancer	8.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3039	ALL	464944.4	3809245	1.12E-07	30YrCancer	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3040	ALL	465700.3	3809255	5.26E-08	30YrCancer	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3041	ALL	465716.2	3808536	4.58E-08	30YrCancer	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3042	ALL	465544.4	3808534	5.37E-08	30YrCancer	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3043	ALL	465420.1	3808486	5.94E-08	30YrCancer	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3044	ALL	465348.8	3808492	6.45E-08	30YrCancer	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3045	ALL	465317.1	3808444	6.47E-08	30YrCancer	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3046	ALL	465327.6	3808407	6.23E-08	30YrCancer	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3047	ALL	465108.2	3808370	7.80E-08	30YrCancer	7.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3048	ALL	464999.9	3808301	8.38E-08	30YrCancer	8.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3049	ALL	464722.3	3807973	8.67E-08	30YrCancer	8.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3050	ALL	464717	3807836	7.64E-08	30YrCancer	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3051	ALL	464344.3	3807936	1.05E-07	30YrCancer	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3052	ALL	464349.6	3807781	1.16E-07	30YrCancer	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3053	ALL	464386.6	3807786	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3054	ALL	464521.4	3807860	1.00E-07	30YrCancer	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3055	ALL	464537.3	3807720	6.26E-08	30YrCancer	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3056	ALL	464426.3	3807614	5.97E-08	30YrCancer	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3057	ALL	464368.4	3807533	5.75E-08	30YrCancer	5.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3058	ALL	464324.6	3807122	3.51E-08	30YrCancer	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3059	ALL	464123.3	3807124	4.42E-08	30YrCancer	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3060	ALL	463930.1	3806909	3.85E-08	30YrCancer	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3061	ALL	463831.1	3806906	4.27E-08	30YrCancer	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3062	ALL	463821.4	3806721	3.27E-08	30YrCancer	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3063	ALL	463727.2	3806727	3.67E-08	30YrCancer	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3064	ALL	463599	3806335	2.23E-08	30YrCancer	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3065	ALL	463001.1	3806362	3.91E-08	30YrCancer	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

7.09E-07
7.09E-01

HARP2 - HRACalc (dated 21081) 5/10/2022 2:19:02 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\Air Quality
Work\HARP2\POPLAR18OP\hra\ChronicNonCancerNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\dlarocca\Desktop\Air Quality
Work\HARP2\POPLAR18OP\hra\ChronicNonCancerNCChronicRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v21081 5/10/2022 2:19:02 PM - Chronic Risk - Input File: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\POPLAR18OP\hra\ChronicNonCancerHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		462160.6	3809378	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2	ALL		462051.5	3809271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
3	ALL		462014.5	3809029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-06
4	ALL		462010.6	3808856	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-06
5	ALL		461936.6	3808887	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-06
6	ALL		461936.6	3808998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-06
7	ALL		461909.3	3808768	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-06
8	ALL		461835.3	3808895	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-06
9	ALL		461845	3808996	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-06
10	ALL		461833.3	3809115	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-06
11	ALL		461843.1	3809210	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-06
12	ALL		461810	3809298	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-06
13	ALL		461856.7	3809386	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-06
14	ALL		461841.1	3809483	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-06
15	ALL		462004.7	3809380	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
16	ALL		461763.2	3808793	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-06
17	ALL		461753.5	3808700	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-06
18	ALL		461835.3	3808686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-06
19	ALL		461823.6	3808579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-06
20	ALL		461761.3	3808585	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-06
21	ALL		462301.2	3807807	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-06
22	ALL		462304.8	3807868	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-06
23	ALL		462216.8	3807883	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-06
24	ALL		462116.3	3807886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-06
25	ALL		462114.6	3807789	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-06
26	ALL		462012.3	3807888	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-06
27	ALL		462008.7	3807976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-06
28	ALL		461917.1	3807972	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-06
29	ALL		461922.5	3808188	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-06
30	ALL		461908.2	3808288	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-06
31	ALL		461848.9	3808378	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-06
32	ALL		461831	3808494	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-06
33	ALL		462421.4	3808394	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
34	ALL		462459.1	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
35	ALL		462437.6	3808581	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
36	ALL		462654.7	3809189	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
37	ALL		462559.5	3809194	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
38	ALL		465763.9	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-06
39	ALL		465819.8	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-06
40	ALL		465875.8	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-06
41	ALL		465931.8	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06
42	ALL		465987.8	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-06
43	ALL		466043.8	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-06
44	ALL		466099.7	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-06
45	ALL		466155.7	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-06
46	ALL		466211.7	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-06
47	ALL		466267.7	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-06
48	ALL		466323.7	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-06

49	ALL	466379.6	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-06
50	ALL	466435.6	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-06
51	ALL	466491.6	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-06
52	ALL	466547.6	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-06
53	ALL	466603.6	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-06
54	ALL	466659.5	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-06
55	ALL	466715.5	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-06
56	ALL	466771.5	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-06
57	ALL	466827.5	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-06
58	ALL	466883.5	3807935	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-06
59	ALL	465763.9	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-06
60	ALL	465819.8	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-06
61	ALL	465875.8	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-06
62	ALL	465931.8	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-06
63	ALL	465987.8	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-06
64	ALL	466043.8	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-06
65	ALL	466099.7	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-06
66	ALL	466155.7	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-06
67	ALL	466211.7	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-06
68	ALL	466267.7	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-06
69	ALL	466323.7	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-06
70	ALL	466379.6	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-06
71	ALL	466435.6	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-06
72	ALL	466491.6	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-06
73	ALL	466547.6	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-06
74	ALL	466603.6	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-06
75	ALL	466659.5	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-06
76	ALL	466715.5	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-06
77	ALL	466771.5	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-06
78	ALL	466827.5	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-06
79	ALL	466883.5	3808001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-06
80	ALL	465763.9	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06
81	ALL	465819.8	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-06
82	ALL	465875.8	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-06
83	ALL	465931.8	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-06
84	ALL	465987.8	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-06
85	ALL	466043.8	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-06
86	ALL	466099.7	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-06
87	ALL	466155.7	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-06
88	ALL	466211.7	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-06
89	ALL	466267.7	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-06
90	ALL	466323.7	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-06
91	ALL	466379.6	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-06
92	ALL	466435.6	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-06
93	ALL	466491.6	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-06
94	ALL	466547.6	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-06
95	ALL	466603.6	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-06
96	ALL	466659.5	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-06
97	ALL	466715.5	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-06
98	ALL	466771.5	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-06

99	ALL	466827.5	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-06
100	ALL	466883.5	3808068	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-06
101	ALL	465763.9	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06
102	ALL	465819.8	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-06
103	ALL	465875.8	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-06
104	ALL	465931.8	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06
105	ALL	465987.8	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-06
106	ALL	466043.8	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-06
107	ALL	466099.7	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-06
108	ALL	466155.7	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-06
109	ALL	466211.7	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-06
110	ALL	466267.7	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-06
111	ALL	466323.7	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-06
112	ALL	466379.6	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-06
113	ALL	466435.6	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-06
114	ALL	466491.6	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-06
115	ALL	466547.6	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-06
116	ALL	466603.6	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-06
117	ALL	466659.5	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-06
118	ALL	466715.5	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-06
119	ALL	466771.5	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-06
120	ALL	466827.5	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-06
121	ALL	466883.5	3808134	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-06
122	ALL	465763.9	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-06
123	ALL	465819.8	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-06
124	ALL	465875.8	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-06
125	ALL	465931.8	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-06
126	ALL	465987.8	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-06
127	ALL	466043.8	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-06
128	ALL	466099.7	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-06
129	ALL	466155.7	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-06
130	ALL	466211.7	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-06
131	ALL	466267.7	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-06
132	ALL	466323.7	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-06
133	ALL	466379.6	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-06
134	ALL	466435.6	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-06
135	ALL	466491.6	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-06
136	ALL	466547.6	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-06
137	ALL	466603.6	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-06
138	ALL	466659.5	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-06
139	ALL	466715.5	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-06
140	ALL	466771.5	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-06
141	ALL	466827.5	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-06
142	ALL	466883.5	3808200	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-06
143	ALL	465763.9	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
144	ALL	465819.8	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-06
145	ALL	465875.8	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-06
146	ALL	465931.8	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-06
147	ALL	465987.8	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-06
148	ALL	466043.8	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-06

149	ALL	466099.7	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-06
150	ALL	466155.7	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06
151	ALL	466211.7	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-06
152	ALL	466267.7	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-06
153	ALL	466323.7	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-06
154	ALL	466379.6	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-06
155	ALL	466435.6	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-06
156	ALL	466491.6	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-06
157	ALL	466547.6	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-06
158	ALL	466603.6	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-06
159	ALL	466659.5	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-06
160	ALL	466715.5	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-06
161	ALL	466771.5	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-06
162	ALL	466827.5	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-06
163	ALL	466883.5	3808266	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-06
164	ALL	465763.9	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
165	ALL	465819.8	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
166	ALL	465875.8	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-06
167	ALL	465931.8	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-06
168	ALL	465987.8	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-06
169	ALL	466043.8	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06
170	ALL	466099.7	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-06
171	ALL	466155.7	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-06
172	ALL	466211.7	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06
173	ALL	466267.7	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-06
174	ALL	466323.7	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-06
175	ALL	466379.6	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-06
176	ALL	466435.6	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-06
177	ALL	466491.6	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-06
178	ALL	466547.6	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-06
179	ALL	466603.6	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-06
180	ALL	466659.5	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-06
181	ALL	466715.5	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-06
182	ALL	466771.5	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-06
183	ALL	466827.5	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-06
184	ALL	466883.5	3808333	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-06
185	ALL	465763.9	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
186	ALL	465819.8	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
187	ALL	465875.8	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
188	ALL	465931.8	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-06
189	ALL	465987.8	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-06
190	ALL	466043.8	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-06
191	ALL	466099.7	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06
192	ALL	466155.7	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-06
193	ALL	466211.7	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-06
194	ALL	466267.7	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-06
195	ALL	466323.7	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-06
196	ALL	466379.6	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-06
197	ALL	466435.6	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-06
198	ALL	466491.6	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-06

199	ALL	466547.6	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-06
200	ALL	466603.6	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-06
201	ALL	466659.5	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-06
202	ALL	466715.5	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-06
203	ALL	466771.5	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-06
204	ALL	466827.5	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-06
205	ALL	466883.5	3808399	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-06
206	ALL	465763.9	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
207	ALL	465819.8	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
208	ALL	465875.8	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
209	ALL	465931.8	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
210	ALL	465987.8	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-06
211	ALL	466043.8	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06
212	ALL	466099.7	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06
213	ALL	466155.7	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-06
214	ALL	466211.7	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06
215	ALL	466267.7	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-06
216	ALL	466323.7	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-06
217	ALL	466379.6	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-06
218	ALL	466435.6	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-06
219	ALL	466491.6	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-06
220	ALL	466547.6	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-06
221	ALL	466603.6	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-06
222	ALL	466659.5	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-06
223	ALL	466715.5	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-06
224	ALL	466771.5	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-06
225	ALL	466827.5	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-06
226	ALL	466883.5	3808465	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-06
227	ALL	465763.9	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
228	ALL	465819.8	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
229	ALL	465875.8	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
230	ALL	465931.8	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
231	ALL	465987.8	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-06
232	ALL	466043.8	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-06
233	ALL	466099.7	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-06
234	ALL	466155.7	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-06
235	ALL	466211.7	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-06
236	ALL	466267.7	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-06
237	ALL	466323.7	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-06
238	ALL	466379.6	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-06
239	ALL	466435.6	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-06
240	ALL	466491.6	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-06
241	ALL	466547.6	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-06
242	ALL	466603.6	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-06
243	ALL	466659.5	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-06
244	ALL	466715.5	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-06
245	ALL	466771.5	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-06
246	ALL	466827.5	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-06
247	ALL	466883.5	3808531	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-06
248	ALL	465763.9	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05

249	ALL	465819.8	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
250	ALL	465875.8	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
251	ALL	465931.8	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
252	ALL	465987.8	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
253	ALL	466043.8	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06
254	ALL	466099.7	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06
255	ALL	466155.7	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-06
256	ALL	466211.7	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-06
257	ALL	466267.7	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-06
258	ALL	466323.7	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06
259	ALL	466379.6	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06
260	ALL	466435.6	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-06
261	ALL	466491.6	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-06
262	ALL	466547.6	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-06
263	ALL	466603.6	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-06
264	ALL	466659.5	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-06
265	ALL	466715.5	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-06
266	ALL	466771.5	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-06
267	ALL	466827.5	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-06
268	ALL	466883.5	3808597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-06
269	ALL	465763.9	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
270	ALL	465819.8	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
271	ALL	465875.8	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
272	ALL	465931.8	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
273	ALL	465987.8	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
274	ALL	466043.8	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
275	ALL	466099.7	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-06
276	ALL	466155.7	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-06
277	ALL	466211.7	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-06
278	ALL	466267.7	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06
279	ALL	466323.7	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-06
280	ALL	466379.6	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-06
281	ALL	466435.6	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-06
282	ALL	466491.6	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-06
283	ALL	466547.6	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-06
284	ALL	466603.6	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-06
285	ALL	466659.5	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-06
286	ALL	466715.5	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-06
287	ALL	466771.5	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-06
288	ALL	466827.5	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-06
289	ALL	466883.5	3808664	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-06
290	ALL	465763.9	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
291	ALL	465819.8	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
292	ALL	465875.8	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
293	ALL	465931.8	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
294	ALL	465987.8	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
295	ALL	466043.8	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
296	ALL	466099.7	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-06
297	ALL	466155.7	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06
298	ALL	466211.7	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-06

299	ALL	466267.7	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-06
300	ALL	466323.7	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-06
301	ALL	466379.6	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-06
302	ALL	466435.6	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-06
303	ALL	466491.6	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-06
304	ALL	466547.6	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-06
305	ALL	466603.6	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-06
306	ALL	466659.5	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-06
307	ALL	466715.5	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-06
308	ALL	466771.5	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-06
309	ALL	466827.5	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-06
310	ALL	466883.5	3808730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-06
311	ALL	465763.9	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
312	ALL	465819.8	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
313	ALL	465875.8	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
314	ALL	465931.8	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
315	ALL	465987.8	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
316	ALL	466043.8	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
317	ALL	466099.7	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-06
318	ALL	466155.7	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06
319	ALL	466211.7	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-06
320	ALL	466267.7	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-06
321	ALL	466323.7	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-06
322	ALL	466379.6	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-06
323	ALL	466435.6	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-06
324	ALL	466491.6	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-06
325	ALL	466547.6	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-06
326	ALL	466603.6	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-06
327	ALL	466659.5	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-06
328	ALL	466715.5	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-06
329	ALL	466771.5	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-06
330	ALL	466827.5	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-06
331	ALL	466883.5	3808796	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-06
332	ALL	465763.9	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
333	ALL	465819.8	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
334	ALL	465875.8	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
335	ALL	465931.8	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
336	ALL	465987.8	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
337	ALL	466043.8	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
338	ALL	466099.7	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
339	ALL	466155.7	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06
340	ALL	466211.7	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-06
341	ALL	466267.7	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06
342	ALL	466323.7	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-06
343	ALL	466379.6	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-06
344	ALL	466435.6	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-06
345	ALL	466491.6	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-06
346	ALL	466547.6	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-06
347	ALL	466603.6	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-06
348	ALL	466659.5	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-06

349	ALL	466715.5	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-06
350	ALL	466771.5	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-06
351	ALL	466827.5	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-06
352	ALL	466883.5	3808862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-06
353	ALL	465763.9	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
354	ALL	465819.8	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
355	ALL	465875.8	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
356	ALL	465931.8	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
357	ALL	465987.8	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
358	ALL	466043.8	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
359	ALL	466099.7	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
360	ALL	466155.7	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-06
361	ALL	466211.7	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06
362	ALL	466267.7	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-06
363	ALL	466323.7	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-06
364	ALL	466379.6	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-06
365	ALL	466435.6	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-06
366	ALL	466491.6	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-06
367	ALL	466547.6	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-06
368	ALL	466603.6	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-06
369	ALL	466659.5	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-06
370	ALL	466715.5	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-06
371	ALL	466771.5	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-06
372	ALL	466827.5	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-06
373	ALL	466883.5	3808928	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-06
374	ALL	465763.9	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
375	ALL	465819.8	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
376	ALL	465875.8	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
377	ALL	465931.8	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
378	ALL	465987.8	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
379	ALL	466043.8	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
380	ALL	466099.7	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
381	ALL	466155.7	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-06
382	ALL	466211.7	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-06
383	ALL	466267.7	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-06
384	ALL	466323.7	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-06
385	ALL	466379.6	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-06
386	ALL	466435.6	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-06
387	ALL	466491.6	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-06
388	ALL	466547.6	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-06
389	ALL	466603.6	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-06
390	ALL	466659.5	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-06
391	ALL	466715.5	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-06
392	ALL	466771.5	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-06
393	ALL	466827.5	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-06
394	ALL	466883.5	3808995	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-06
395	ALL	465763.9	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
396	ALL	465819.8	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
397	ALL	465875.8	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
398	ALL	465931.8	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05

399	ALL	465987.8	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
400	ALL	466043.8	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
401	ALL	466099.7	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
402	ALL	466155.7	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06
403	ALL	466211.7	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-06
404	ALL	466267.7	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-06
405	ALL	466323.7	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-06
406	ALL	466379.6	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-06
407	ALL	466435.6	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-06
408	ALL	466491.6	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-06
409	ALL	466547.6	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-06
410	ALL	466603.6	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-06
411	ALL	466659.5	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-06
412	ALL	466715.5	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-06
413	ALL	466771.5	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-06
414	ALL	466827.5	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-06
415	ALL	466883.5	3809061	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-06
416	ALL	465763.9	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
417	ALL	465819.8	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
418	ALL	465875.8	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
419	ALL	465931.8	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
420	ALL	465987.8	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
421	ALL	466043.8	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
422	ALL	466099.7	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
423	ALL	466155.7	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-06
424	ALL	466211.7	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06
425	ALL	466267.7	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06
426	ALL	466323.7	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-06
427	ALL	466379.6	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06
428	ALL	466435.6	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06
429	ALL	466491.6	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-06
430	ALL	466547.6	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-06
431	ALL	466603.6	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-06
432	ALL	466659.5	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-06
433	ALL	466715.5	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-06
434	ALL	466771.5	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-06
435	ALL	466827.5	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-06
436	ALL	466883.5	3809127	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-06
437	ALL	465763.9	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
438	ALL	465819.8	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
439	ALL	465875.8	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
440	ALL	465931.8	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
441	ALL	465987.8	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
442	ALL	466043.8	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
443	ALL	466099.7	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
444	ALL	466155.7	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-06
445	ALL	466211.7	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06
446	ALL	466267.7	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-06
447	ALL	466323.7	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-06
448	ALL	466379.6	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-06

449	ALL	466435.6	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-06
450	ALL	466491.6	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-06
451	ALL	466547.6	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-06
452	ALL	466603.6	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-06
453	ALL	466659.5	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-06
454	ALL	466715.5	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-06
455	ALL	466771.5	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-06
456	ALL	466827.5	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-06
457	ALL	466883.5	3809193	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-06
458	ALL	465763.9	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
459	ALL	465819.8	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
460	ALL	465875.8	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
461	ALL	465931.8	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
462	ALL	465987.8	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
463	ALL	466043.8	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
464	ALL	466099.7	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
465	ALL	466155.7	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-06
466	ALL	466211.7	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-06
467	ALL	466267.7	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-06
468	ALL	466323.7	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06
469	ALL	466379.6	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-06
470	ALL	466435.6	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-06
471	ALL	466491.6	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-06
472	ALL	466547.6	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-06
473	ALL	466603.6	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-06
474	ALL	466659.5	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-06
475	ALL	466715.5	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-06
476	ALL	466771.5	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-06
477	ALL	466827.5	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-06
478	ALL	466883.5	3809260	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-06
479	ALL	464503.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06
480	ALL	464523.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06
481	ALL	464543.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-06
482	ALL	464563.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-06
483	ALL	464583.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06
484	ALL	464603.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06
485	ALL	464623.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-06
486	ALL	464643.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-06
487	ALL	464663.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-06
488	ALL	464683.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06
489	ALL	464703.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-06
490	ALL	464723.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-06
491	ALL	464743.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-06
492	ALL	464763.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-06
493	ALL	464783.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-06
494	ALL	464803.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-06
495	ALL	464823.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-06
496	ALL	464843.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-06
497	ALL	464863.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-06
498	ALL	464883.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-06

499	ALL	464903.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-06
500	ALL	464923.4	3807142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-06
501	ALL	464503.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-06
502	ALL	464523.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-06
503	ALL	464543.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-06
504	ALL	464563.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-06
505	ALL	464583.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-06
506	ALL	464603.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-06
507	ALL	464623.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-06
508	ALL	464643.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-06
509	ALL	464663.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-06
510	ALL	464683.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-06
511	ALL	464703.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06
512	ALL	464723.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-06
513	ALL	464743.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-06
514	ALL	464763.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-06
515	ALL	464783.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-06
516	ALL	464803.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-06
517	ALL	464823.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-06
518	ALL	464843.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-06
519	ALL	464863.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-06
520	ALL	464883.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-06
521	ALL	464903.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-06
522	ALL	464923.4	3807162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-06
523	ALL	464503.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-06
524	ALL	464523.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-06
525	ALL	464543.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-06
526	ALL	464563.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06
527	ALL	464583.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-06
528	ALL	464603.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-06
529	ALL	464623.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-06
530	ALL	464643.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-06
531	ALL	464663.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-06
532	ALL	464683.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-06
533	ALL	464703.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-06
534	ALL	464723.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-06
535	ALL	464743.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-06
536	ALL	464763.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-06
537	ALL	464783.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-06
538	ALL	464803.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-06
539	ALL	464823.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-06
540	ALL	464843.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-06
541	ALL	464863.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-06
542	ALL	464883.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-06
543	ALL	464903.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-06
544	ALL	464923.4	3807182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-06
545	ALL	464503.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06
546	ALL	464523.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-06
547	ALL	464543.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-06
548	ALL	464563.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06

549	ALL	464583.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-06
550	ALL	464603.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06
551	ALL	464623.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06
552	ALL	464643.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-06
553	ALL	464663.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-06
554	ALL	464683.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06
555	ALL	464703.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-06
556	ALL	464723.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-06
557	ALL	464743.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-06
558	ALL	464763.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-06
559	ALL	464783.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-06
560	ALL	464803.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-06
561	ALL	464823.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-06
562	ALL	464843.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-06
563	ALL	464863.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-06
564	ALL	464883.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-06
565	ALL	464903.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-06
566	ALL	464923.4	3807202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-06
567	ALL	464503.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06
568	ALL	464523.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-06
569	ALL	464543.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06
570	ALL	464563.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06
571	ALL	464583.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-06
572	ALL	464603.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-06
573	ALL	464623.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06
574	ALL	464643.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06
575	ALL	464663.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06
576	ALL	464683.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-06
577	ALL	464703.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06
578	ALL	464723.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-06
579	ALL	464743.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-06
580	ALL	464763.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-06
581	ALL	464783.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-06
582	ALL	464803.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-06
583	ALL	464823.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-06
584	ALL	464843.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06
585	ALL	464863.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-06
586	ALL	464883.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-06
587	ALL	464903.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-06
588	ALL	464923.4	3807222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-06
589	ALL	464503.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-06
590	ALL	464523.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-06
591	ALL	464543.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-06
592	ALL	464563.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-06
593	ALL	464583.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-06
594	ALL	464603.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-06
595	ALL	464623.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06
596	ALL	464643.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06
597	ALL	464663.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-06
598	ALL	464683.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-06

599	ALL	464703.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06
600	ALL	464723.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-06
601	ALL	464743.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-06
602	ALL	464763.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-06
603	ALL	464783.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-06
604	ALL	464803.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-06
605	ALL	464823.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-06
606	ALL	464843.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-06
607	ALL	464863.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-06
608	ALL	464883.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-06
609	ALL	464903.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-06
610	ALL	464923.4	3807242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-06
611	ALL	464503.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-06
612	ALL	464523.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06
613	ALL	464543.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-06
614	ALL	464563.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06
615	ALL	464583.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-06
616	ALL	464603.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06
617	ALL	464623.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06
618	ALL	464643.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06
619	ALL	464663.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-06
620	ALL	464683.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-06
621	ALL	464703.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06
622	ALL	464723.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-06
623	ALL	464743.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-06
624	ALL	464763.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-06
625	ALL	464783.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-06
626	ALL	464803.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-06
627	ALL	464823.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06
628	ALL	464843.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-06
629	ALL	464863.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-06
630	ALL	464883.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-06
631	ALL	464903.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06
632	ALL	464923.4	3807262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-06
633	ALL	464503.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-06
634	ALL	464523.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-06
635	ALL	464543.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-06
636	ALL	464563.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-06
637	ALL	464583.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-06
638	ALL	464603.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-06
639	ALL	464623.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-06
640	ALL	464643.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-06
641	ALL	464663.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-06
642	ALL	464683.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-06
643	ALL	464703.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-06
644	ALL	464723.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-06
645	ALL	464743.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-06
646	ALL	464763.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-06
647	ALL	464783.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-06
648	ALL	464803.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-06

649	ALL	464823.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-06
650	ALL	464843.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-06
651	ALL	464863.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-06
652	ALL	464883.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-06
653	ALL	464903.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-06
654	ALL	464923.4	3807282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-06
655	ALL	464503.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
656	ALL	464523.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-06
657	ALL	464543.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-06
658	ALL	464563.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-06
659	ALL	464583.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-06
660	ALL	464603.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06
661	ALL	464623.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-06
662	ALL	464643.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-06
663	ALL	464663.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-06
664	ALL	464683.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06
665	ALL	464703.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06
666	ALL	464723.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-06
667	ALL	464743.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-06
668	ALL	464763.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-06
669	ALL	464783.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-06
670	ALL	464803.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-06
671	ALL	464823.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-06
672	ALL	464843.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-06
673	ALL	464863.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-06
674	ALL	464883.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-06
675	ALL	464903.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-06
676	ALL	464923.4	3807302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-06
677	ALL	464503.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
678	ALL	464523.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
679	ALL	464543.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-06
680	ALL	464563.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-06
681	ALL	464583.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-06
682	ALL	464603.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06
683	ALL	464623.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-06
684	ALL	464643.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-06
685	ALL	464663.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06
686	ALL	464683.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-06
687	ALL	464703.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-06
688	ALL	464723.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-06
689	ALL	464743.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-06
690	ALL	464763.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-06
691	ALL	464783.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-06
692	ALL	464803.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-06
693	ALL	464823.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-06
694	ALL	464843.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-06
695	ALL	464863.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-06
696	ALL	464883.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-06
697	ALL	464903.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-06
698	ALL	464923.4	3807322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06

699	ALL	464503.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
700	ALL	464523.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
701	ALL	464543.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
702	ALL	464563.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-06
703	ALL	464583.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06
704	ALL	464603.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-06
705	ALL	464623.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-06
706	ALL	464643.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06
707	ALL	464663.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06
708	ALL	464683.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-06
709	ALL	464703.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-06
710	ALL	464723.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-06
711	ALL	464743.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-06
712	ALL	464763.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06
713	ALL	464783.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-06
714	ALL	464803.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-06
715	ALL	464823.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-06
716	ALL	464843.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-06
717	ALL	464863.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-06
718	ALL	464883.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-06
719	ALL	464903.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-06
720	ALL	464923.4	3807342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-06
721	ALL	464503.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
722	ALL	464523.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
723	ALL	464543.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
724	ALL	464563.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
725	ALL	464583.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-06
726	ALL	464603.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-06
727	ALL	464623.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-06
728	ALL	464643.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-06
729	ALL	464663.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06
730	ALL	464683.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-06
731	ALL	464703.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-06
732	ALL	464723.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-06
733	ALL	464743.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-06
734	ALL	464763.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-06
735	ALL	464783.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06
736	ALL	464803.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-06
737	ALL	464823.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06
738	ALL	464843.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06
739	ALL	464863.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06
740	ALL	464883.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-06
741	ALL	464903.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-06
742	ALL	464923.4	3807362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-06
743	ALL	464503.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
744	ALL	464523.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
745	ALL	464543.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
746	ALL	464563.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
747	ALL	464583.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-06
748	ALL	464603.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-06

749	ALL	464623.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-06
750	ALL	464643.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06
751	ALL	464663.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-06
752	ALL	464683.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06
753	ALL	464703.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-06
754	ALL	464723.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-06
755	ALL	464743.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06
756	ALL	464763.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-06
757	ALL	464783.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06
758	ALL	464803.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-06
759	ALL	464823.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-06
760	ALL	464843.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-06
761	ALL	464863.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-06
762	ALL	464883.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-06
763	ALL	464903.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-06
764	ALL	464923.4	3807382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
765	ALL	464503.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
766	ALL	464523.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
767	ALL	464543.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
768	ALL	464563.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
769	ALL	464583.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
770	ALL	464603.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-06
771	ALL	464623.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-06
772	ALL	464643.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-06
773	ALL	464663.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-06
774	ALL	464683.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06
775	ALL	464703.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-06
776	ALL	464723.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-06
777	ALL	464743.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-06
778	ALL	464763.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-06
779	ALL	464783.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-06
780	ALL	464803.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-06
781	ALL	464823.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06
782	ALL	464843.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06
783	ALL	464863.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-06
784	ALL	464883.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-06
785	ALL	464903.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-06
786	ALL	464923.4	3807402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
787	ALL	464503.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
788	ALL	464523.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
789	ALL	464543.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
790	ALL	464563.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
791	ALL	464583.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
792	ALL	464603.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
793	ALL	464623.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
794	ALL	464643.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06
795	ALL	464663.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06
796	ALL	464683.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-06
797	ALL	464703.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-06
798	ALL	464723.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-06

799	ALL	464743.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06
800	ALL	464763.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06
801	ALL	464783.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-06
802	ALL	464803.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06
803	ALL	464823.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-06
804	ALL	464843.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-06
805	ALL	464863.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06
806	ALL	464883.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
807	ALL	464903.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
808	ALL	464923.4	3807422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
809	ALL	464503.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
810	ALL	464523.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
811	ALL	464543.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
812	ALL	464563.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
813	ALL	464583.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
814	ALL	464603.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
815	ALL	464623.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
816	ALL	464643.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
817	ALL	464663.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-06
818	ALL	464683.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-06
819	ALL	464703.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-06
820	ALL	464723.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06
821	ALL	464743.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-06
822	ALL	464763.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-06
823	ALL	464783.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-06
824	ALL	464803.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-06
825	ALL	464823.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06
826	ALL	464843.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-06
827	ALL	464863.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
828	ALL	464883.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
829	ALL	464903.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
830	ALL	464923.4	3807442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
831	ALL	464503.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
832	ALL	464523.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
833	ALL	464543.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
834	ALL	464563.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
835	ALL	464583.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
836	ALL	464603.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
837	ALL	464623.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
838	ALL	464643.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
839	ALL	464663.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
840	ALL	464683.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-06
841	ALL	464703.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-06
842	ALL	464723.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-06
843	ALL	464743.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-06
844	ALL	464763.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06
845	ALL	464783.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-06
846	ALL	464803.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-06
847	ALL	464823.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06
848	ALL	464843.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-06

849	ALL	464863.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
850	ALL	464883.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
851	ALL	464903.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
852	ALL	464923.4	3807462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
853	ALL	464503.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
854	ALL	464523.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
855	ALL	464543.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
856	ALL	464563.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
857	ALL	464583.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
858	ALL	464603.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
859	ALL	464623.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
860	ALL	464643.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
861	ALL	464663.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
862	ALL	464683.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
863	ALL	464703.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
864	ALL	464723.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
865	ALL	464743.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
866	ALL	464763.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-06
867	ALL	464783.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06
868	ALL	464803.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06
869	ALL	464823.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-06
870	ALL	464843.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
871	ALL	464863.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
872	ALL	464883.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
873	ALL	464903.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
874	ALL	464923.4	3807482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
875	ALL	464503.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
876	ALL	464523.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
877	ALL	464543.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
878	ALL	464563.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
879	ALL	464583.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
880	ALL	464603.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
881	ALL	464623.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
882	ALL	464643.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
883	ALL	464663.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
884	ALL	464683.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
885	ALL	464703.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
886	ALL	464723.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
887	ALL	464743.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
888	ALL	464763.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-06
889	ALL	464783.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-06
890	ALL	464803.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
891	ALL	464823.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
892	ALL	464843.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
893	ALL	464863.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
894	ALL	464883.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
895	ALL	464903.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
896	ALL	464923.4	3807502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
897	ALL	464503.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
898	ALL	464523.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05

899	ALL	464543.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
900	ALL	464563.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
901	ALL	464583.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
902	ALL	464603.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
903	ALL	464623.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
904	ALL	464643.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
905	ALL	464663.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
906	ALL	464683.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
907	ALL	464703.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
908	ALL	464723.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
909	ALL	464743.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
910	ALL	464763.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
911	ALL	464783.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
912	ALL	464803.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
913	ALL	464823.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
914	ALL	464843.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
915	ALL	464863.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
916	ALL	464883.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
917	ALL	464903.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
918	ALL	464923.4	3807522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
919	ALL	464503.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
920	ALL	464523.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
921	ALL	464543.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
922	ALL	464563.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
923	ALL	464583.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
924	ALL	464603.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
925	ALL	464623.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
926	ALL	464643.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
927	ALL	464663.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
928	ALL	464683.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
929	ALL	464703.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
930	ALL	464723.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
931	ALL	464743.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
932	ALL	464763.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
933	ALL	464783.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
934	ALL	464803.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
935	ALL	464823.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
936	ALL	464843.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
937	ALL	464863.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
938	ALL	464883.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
939	ALL	464903.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
940	ALL	464923.4	3807542	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
941	ALL	464503.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
942	ALL	464523.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
943	ALL	464543.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
944	ALL	464563.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
945	ALL	464583.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
946	ALL	464603.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
947	ALL	464623.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
948	ALL	464643.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05

949	ALL	464663.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
950	ALL	464683.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
951	ALL	464703.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
952	ALL	464723.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
953	ALL	464743.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
954	ALL	464763.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
955	ALL	464783.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
956	ALL	464803.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
957	ALL	464823.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
958	ALL	464843.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
959	ALL	464863.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
960	ALL	464883.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
961	ALL	464903.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
962	ALL	464923.4	3807562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
963	ALL	464503.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
964	ALL	464523.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
965	ALL	464543.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
966	ALL	464563.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
967	ALL	464583.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
968	ALL	464603.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
969	ALL	464623.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
970	ALL	464643.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
971	ALL	464663.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
972	ALL	464683.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
973	ALL	464703.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
974	ALL	464723.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
975	ALL	464743.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
976	ALL	464763.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
977	ALL	464783.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
978	ALL	464803.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
979	ALL	464823.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
980	ALL	464843.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
981	ALL	464863.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
982	ALL	464883.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
983	ALL	464903.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
984	ALL	464923.4	3807582	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
985	ALL	464503.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
986	ALL	464523.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
987	ALL	464543.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
988	ALL	464563.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
989	ALL	464583.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
990	ALL	464603.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
991	ALL	464623.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
992	ALL	464643.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
993	ALL	464663.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
994	ALL	464683.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
995	ALL	464703.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
996	ALL	464723.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
997	ALL	464743.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
998	ALL	464763.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05

999	ALL	464783.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1000	ALL	464803.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1001	ALL	464823.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1002	ALL	464843.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1003	ALL	464863.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1004	ALL	464883.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
1005	ALL	464903.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1006	ALL	464923.4	3807602	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1007	ALL	464503.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
1008	ALL	464523.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1009	ALL	464543.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1010	ALL	464563.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1011	ALL	464583.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1012	ALL	464603.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1013	ALL	464623.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1014	ALL	464643.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1015	ALL	464663.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1016	ALL	464683.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1017	ALL	464703.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
1018	ALL	464723.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
1019	ALL	464743.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
1020	ALL	464763.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
1021	ALL	464783.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
1022	ALL	464803.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1023	ALL	464823.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
1024	ALL	464843.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1025	ALL	464863.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
1026	ALL	464883.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1027	ALL	464903.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
1028	ALL	464923.4	3807622	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1029	ALL	464503.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1030	ALL	464523.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1031	ALL	464543.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1032	ALL	464563.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1033	ALL	464583.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1034	ALL	464603.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1035	ALL	464623.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1036	ALL	464643.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1037	ALL	464663.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1038	ALL	464683.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1039	ALL	464703.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1040	ALL	464723.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1041	ALL	464743.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1042	ALL	464763.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1043	ALL	464783.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1044	ALL	464803.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1045	ALL	464823.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
1046	ALL	464843.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
1047	ALL	464863.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1048	ALL	464883.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05

1049	ALL	464903.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1050	ALL	464923.4	3807642	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1051	ALL	464503.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1052	ALL	464523.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1053	ALL	464543.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1054	ALL	464563.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1055	ALL	464583.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
1056	ALL	464603.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1057	ALL	464623.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1058	ALL	464643.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1059	ALL	464663.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1060	ALL	464683.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1061	ALL	464703.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1062	ALL	464723.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1063	ALL	464743.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1064	ALL	464763.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1065	ALL	464783.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1066	ALL	464803.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
1067	ALL	464823.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1068	ALL	464843.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
1069	ALL	464863.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
1070	ALL	464883.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1071	ALL	464903.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
1072	ALL	464923.4	3807662	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1073	ALL	464503.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
1074	ALL	464523.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
1075	ALL	464543.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1076	ALL	464563.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
1077	ALL	464583.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
1078	ALL	464603.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1079	ALL	464623.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
1080	ALL	464643.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1081	ALL	464663.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1082	ALL	464683.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
1083	ALL	464703.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
1084	ALL	464723.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
1085	ALL	464743.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1086	ALL	464763.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
1087	ALL	464783.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
1088	ALL	464803.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
1089	ALL	464823.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
1090	ALL	464843.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1091	ALL	464863.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
1092	ALL	464883.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
1093	ALL	464903.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1094	ALL	464923.4	3807682	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
1095	ALL	464523.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1096	ALL	464543.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1097	ALL	464563.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
1098	ALL	464583.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05

1099	ALL	464603.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
1100	ALL	464623.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
1101	ALL	464643.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1102	ALL	464663.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
1103	ALL	464683.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
1104	ALL	464703.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1105	ALL	464723.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1106	ALL	464743.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
1107	ALL	464763.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
1108	ALL	464783.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
1109	ALL	464803.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
1110	ALL	464823.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
1111	ALL	464843.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
1112	ALL	464863.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1113	ALL	464883.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
1114	ALL	464903.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
1115	ALL	464923.4	3807702	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1116	ALL	464543.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
1117	ALL	464563.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
1118	ALL	464583.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
1119	ALL	464603.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
1120	ALL	464623.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1121	ALL	464643.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1122	ALL	464663.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
1123	ALL	464683.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
1124	ALL	464703.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1125	ALL	464723.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
1126	ALL	464743.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1127	ALL	464763.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1128	ALL	464783.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
1129	ALL	464803.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
1130	ALL	464823.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
1131	ALL	464843.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
1132	ALL	464863.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
1133	ALL	464883.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
1134	ALL	464903.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1135	ALL	464923.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1136	ALL	464943.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1137	ALL	464963.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
1138	ALL	464983.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
1139	ALL	465003.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1140	ALL	465023.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1141	ALL	465043.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1142	ALL	465063.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1143	ALL	465083.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1144	ALL	465103.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1145	ALL	465123.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1146	ALL	465143.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1147	ALL	465163.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
1148	ALL	465183.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05

1149	ALL	465203.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
1150	ALL	465223.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
1151	ALL	465243.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
1152	ALL	465263.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1153	ALL	465283.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
1154	ALL	465303.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
1155	ALL	465323.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
1156	ALL	465343.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
1157	ALL	465363.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
1158	ALL	465383.4	3807722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-06
1159	ALL	464543.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1160	ALL	464563.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1161	ALL	464583.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1162	ALL	464603.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
1163	ALL	464623.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
1164	ALL	464643.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
1165	ALL	464663.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
1166	ALL	464683.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1167	ALL	464703.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1168	ALL	464723.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1169	ALL	464743.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1170	ALL	464763.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1171	ALL	464783.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1172	ALL	464803.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
1173	ALL	464823.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
1174	ALL	464843.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1175	ALL	464863.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
1176	ALL	464883.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
1177	ALL	464903.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
1178	ALL	464923.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1179	ALL	464943.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1180	ALL	464963.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1181	ALL	464983.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1182	ALL	465003.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1183	ALL	465023.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1184	ALL	465043.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1185	ALL	465063.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1186	ALL	465083.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
1187	ALL	465103.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1188	ALL	465123.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1189	ALL	465143.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
1190	ALL	465163.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
1191	ALL	465183.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
1192	ALL	465203.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
1193	ALL	465223.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
1194	ALL	465243.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1195	ALL	465263.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
1196	ALL	465283.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1197	ALL	465303.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
1198	ALL	465323.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05

1199	ALL	465343.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
1200	ALL	465363.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
1201	ALL	465383.4	3807742	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06
1202	ALL	464543.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
1203	ALL	464563.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
1204	ALL	464583.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1205	ALL	464603.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
1206	ALL	464623.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1207	ALL	464643.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1208	ALL	464663.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
1209	ALL	464683.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1210	ALL	464703.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1211	ALL	464723.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1212	ALL	464743.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1213	ALL	464763.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1214	ALL	464783.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1215	ALL	464803.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
1216	ALL	464823.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
1217	ALL	464843.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
1218	ALL	464863.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1219	ALL	464883.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1220	ALL	464903.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
1221	ALL	464923.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
1222	ALL	464943.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
1223	ALL	464963.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1224	ALL	464983.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
1225	ALL	465003.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1226	ALL	465023.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1227	ALL	465043.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
1228	ALL	465063.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1229	ALL	465083.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1230	ALL	465103.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1231	ALL	465123.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1232	ALL	465143.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1233	ALL	465163.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1234	ALL	465183.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
1235	ALL	465203.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
1236	ALL	465223.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1237	ALL	465243.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
1238	ALL	465263.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1239	ALL	465283.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1240	ALL	465303.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
1241	ALL	465323.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
1242	ALL	465343.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
1243	ALL	465363.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
1244	ALL	465383.4	3807762	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
1245	ALL	464543.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
1246	ALL	464563.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
1247	ALL	464583.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05
1248	ALL	464603.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05

1249	ALL	464623.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
1250	ALL	464643.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1251	ALL	464663.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
1252	ALL	464683.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
1253	ALL	464703.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1254	ALL	464723.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1255	ALL	464743.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1256	ALL	464763.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1257	ALL	464783.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1258	ALL	464803.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1259	ALL	464823.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
1260	ALL	464843.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
1261	ALL	464863.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1262	ALL	464883.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
1263	ALL	464903.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1264	ALL	464923.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1265	ALL	464943.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
1266	ALL	464963.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
1267	ALL	464983.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1268	ALL	465003.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
1269	ALL	465023.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1270	ALL	465043.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1271	ALL	465063.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1272	ALL	465083.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1273	ALL	465103.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1274	ALL	465123.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1275	ALL	465143.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1276	ALL	465163.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1277	ALL	465183.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1278	ALL	465203.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
1279	ALL	465223.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
1280	ALL	465243.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
1281	ALL	465263.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
1282	ALL	465283.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
1283	ALL	465303.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1284	ALL	465323.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
1285	ALL	465343.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
1286	ALL	465363.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
1287	ALL	465383.4	3807782	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
1288	ALL	464543.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05
1289	ALL	464563.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
1290	ALL	464583.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
1291	ALL	464603.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05
1292	ALL	464623.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
1293	ALL	464643.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
1294	ALL	464663.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1295	ALL	464683.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
1296	ALL	464703.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
1297	ALL	464723.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1298	ALL	464743.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05

1299	ALL	464763.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1300	ALL	464783.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
1301	ALL	464803.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1302	ALL	464823.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
1303	ALL	464843.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
1304	ALL	464863.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
1305	ALL	464883.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1306	ALL	464903.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
1307	ALL	464923.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
1308	ALL	464943.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1309	ALL	464963.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1310	ALL	464983.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1311	ALL	465003.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1312	ALL	465023.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1313	ALL	465043.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
1314	ALL	465063.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1315	ALL	465083.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1316	ALL	465103.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1317	ALL	465123.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
1318	ALL	465143.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1319	ALL	465163.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1320	ALL	465183.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
1321	ALL	465203.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
1322	ALL	465223.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
1323	ALL	465243.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1324	ALL	465263.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
1325	ALL	465283.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1326	ALL	465303.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1327	ALL	465323.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
1328	ALL	465343.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
1329	ALL	465363.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
1330	ALL	465383.4	3807802	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
1331	ALL	464543.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
1332	ALL	464563.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
1333	ALL	464583.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
1334	ALL	464603.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
1335	ALL	464623.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
1336	ALL	464643.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
1337	ALL	464663.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
1338	ALL	464683.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
1339	ALL	464703.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1340	ALL	464723.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
1341	ALL	464743.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1342	ALL	464763.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
1343	ALL	464783.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1344	ALL	464803.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1345	ALL	464823.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1346	ALL	464843.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
1347	ALL	464863.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
1348	ALL	464883.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05

1349	ALL	464903.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
1350	ALL	464923.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
1351	ALL	464943.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
1352	ALL	464963.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
1353	ALL	464983.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1354	ALL	465003.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1355	ALL	465023.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
1356	ALL	465043.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1357	ALL	465063.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1358	ALL	465083.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
1359	ALL	465103.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1360	ALL	465123.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1361	ALL	465143.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1362	ALL	465163.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1363	ALL	465183.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1364	ALL	465203.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1365	ALL	465223.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
1366	ALL	465243.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
1367	ALL	465263.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1368	ALL	465283.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
1369	ALL	465303.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1370	ALL	465323.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1371	ALL	465343.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
1372	ALL	465363.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
1373	ALL	465383.4	3807822	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
1374	ALL	464543.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
1375	ALL	464563.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
1376	ALL	464583.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
1377	ALL	464603.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
1378	ALL	464623.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
1379	ALL	464643.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
1380	ALL	464663.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
1381	ALL	464683.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
1382	ALL	464723.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1383	ALL	464743.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1384	ALL	464763.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
1385	ALL	464783.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
1386	ALL	464803.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
1387	ALL	464823.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1388	ALL	464843.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
1389	ALL	464863.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1390	ALL	464883.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
1391	ALL	464903.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
1392	ALL	464923.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1393	ALL	464943.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1394	ALL	464963.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
1395	ALL	464983.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
1396	ALL	465003.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
1397	ALL	465023.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1398	ALL	465043.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05

1399	ALL	465063.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1400	ALL	465083.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1401	ALL	465103.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1402	ALL	465123.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1403	ALL	465143.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1404	ALL	465163.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1405	ALL	465183.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1406	ALL	465203.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1407	ALL	465223.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
1408	ALL	465243.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
1409	ALL	465263.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
1410	ALL	465283.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
1411	ALL	465303.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
1412	ALL	465323.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
1413	ALL	465343.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1414	ALL	465363.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
1415	ALL	465383.4	3807842	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
1416	ALL	464503.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05
1417	ALL	464523.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05
1418	ALL	464543.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05
1419	ALL	464563.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
1420	ALL	464583.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05
1421	ALL	464603.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
1422	ALL	464723.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
1423	ALL	464743.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
1424	ALL	464763.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1425	ALL	464783.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
1426	ALL	464803.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
1427	ALL	464823.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
1428	ALL	464843.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
1429	ALL	464863.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1430	ALL	464883.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
1431	ALL	464903.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
1432	ALL	464923.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1433	ALL	464943.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
1434	ALL	464963.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
1435	ALL	464983.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1436	ALL	465003.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
1437	ALL	465023.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
1438	ALL	465043.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1439	ALL	465063.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
1440	ALL	465083.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
1441	ALL	465103.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1442	ALL	465123.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1443	ALL	465143.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1444	ALL	465163.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
1445	ALL	465183.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1446	ALL	465203.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1447	ALL	465223.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
1448	ALL	465243.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05

1449	ALL	465263.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
1450	ALL	465283.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1451	ALL	465303.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
1452	ALL	465323.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1453	ALL	465343.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1454	ALL	465363.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
1455	ALL	465383.4	3807862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
1456	ALL	464503.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
1457	ALL	464523.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
1458	ALL	464543.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
1459	ALL	464723.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
1460	ALL	464743.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
1461	ALL	464763.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
1462	ALL	464783.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
1463	ALL	464803.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1464	ALL	464823.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1465	ALL	464843.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1466	ALL	464863.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1467	ALL	464883.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1468	ALL	464903.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
1469	ALL	464923.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
1470	ALL	464943.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
1471	ALL	464963.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
1472	ALL	464983.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
1473	ALL	465003.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
1474	ALL	465023.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1475	ALL	465043.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1476	ALL	465063.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
1477	ALL	465083.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1478	ALL	465103.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1479	ALL	465123.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
1480	ALL	465143.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1481	ALL	465163.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1482	ALL	465183.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1483	ALL	465203.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1484	ALL	465223.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1485	ALL	465243.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1486	ALL	465263.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
1487	ALL	465283.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
1488	ALL	465303.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
1489	ALL	465323.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
1490	ALL	465343.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
1491	ALL	465363.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1492	ALL	465383.4	3807882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
1493	ALL	464723.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
1494	ALL	464743.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
1495	ALL	464763.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
1496	ALL	464783.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
1497	ALL	464803.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1498	ALL	464823.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05

1499	ALL	464843.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1500	ALL	464863.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
1501	ALL	464883.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
1502	ALL	464903.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1503	ALL	464923.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
1504	ALL	464943.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
1505	ALL	464963.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1506	ALL	464983.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
1507	ALL	465003.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
1508	ALL	465023.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
1509	ALL	465043.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
1510	ALL	465063.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1511	ALL	465083.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
1512	ALL	465103.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1513	ALL	465123.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1514	ALL	465143.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1515	ALL	465163.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1516	ALL	465183.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1517	ALL	465203.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1518	ALL	465223.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1519	ALL	465243.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
1520	ALL	465263.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
1521	ALL	465283.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
1522	ALL	465303.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
1523	ALL	465323.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
1524	ALL	465343.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
1525	ALL	465363.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
1526	ALL	465383.4	3807902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1527	ALL	464723.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
1528	ALL	464743.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
1529	ALL	464763.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
1530	ALL	464783.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1531	ALL	464803.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1532	ALL	464823.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
1533	ALL	464843.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
1534	ALL	464863.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
1535	ALL	464883.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
1536	ALL	464903.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1537	ALL	464923.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
1538	ALL	464943.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
1539	ALL	464963.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
1540	ALL	464983.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
1541	ALL	465003.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
1542	ALL	465023.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1543	ALL	465043.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
1544	ALL	465063.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1545	ALL	465083.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1546	ALL	465103.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1547	ALL	465123.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
1548	ALL	465143.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05

1549 ALL	465163.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1550 ALL	465183.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1551 ALL	465203.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
1552 ALL	465223.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1553 ALL	465243.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1554 ALL	465263.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
1555 ALL	465283.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
1556 ALL	465303.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
1557 ALL	465323.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1558 ALL	465343.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
1559 ALL	465363.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1560 ALL	465383.4	3807922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1561 ALL	464723.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
1562 ALL	464743.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
1563 ALL	464763.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
1564 ALL	464783.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
1565 ALL	464803.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
1566 ALL	464823.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1567 ALL	464843.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
1568 ALL	464863.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
1569 ALL	464883.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1570 ALL	464903.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1571 ALL	464923.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1572 ALL	464943.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
1573 ALL	464963.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
1574 ALL	464983.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
1575 ALL	465003.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
1576 ALL	465023.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
1577 ALL	465043.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
1578 ALL	465063.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1579 ALL	465083.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1580 ALL	465103.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
1581 ALL	465123.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1582 ALL	465143.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1583 ALL	465163.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
1584 ALL	465183.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1585 ALL	465203.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1586 ALL	465223.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1587 ALL	465243.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1588 ALL	465263.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1589 ALL	465283.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1590 ALL	465303.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
1591 ALL	465323.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
1592 ALL	465343.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1593 ALL	465363.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
1594 ALL	465383.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1595 ALL	465403.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1596 ALL	465423.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
1597 ALL	465443.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
1598 ALL	465463.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05

1599	ALL	465483.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
1600	ALL	465503.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
1601	ALL	465523.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-06
1602	ALL	465543.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-06
1603	ALL	465563.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-06
1604	ALL	465583.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-06
1605	ALL	465603.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06
1606	ALL	465623.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-06
1607	ALL	465643.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-06
1608	ALL	465663.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-06
1609	ALL	465683.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-06
1610	ALL	465703.4	3807942	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-06
1611	ALL	464723.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
1612	ALL	464743.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
1613	ALL	464763.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
1614	ALL	464783.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
1615	ALL	464803.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
1616	ALL	464823.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
1617	ALL	464843.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
1618	ALL	464863.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1619	ALL	464883.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1620	ALL	464903.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
1621	ALL	464923.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1622	ALL	464943.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
1623	ALL	464963.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
1624	ALL	464983.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
1625	ALL	465003.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1626	ALL	465023.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
1627	ALL	465043.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
1628	ALL	465063.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
1629	ALL	465083.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
1630	ALL	465103.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1631	ALL	465123.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
1632	ALL	465143.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
1633	ALL	465163.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1634	ALL	465183.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1635	ALL	465203.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1636	ALL	465223.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1637	ALL	465243.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1638	ALL	465263.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1639	ALL	465283.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1640	ALL	465303.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
1641	ALL	465323.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
1642	ALL	465343.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
1643	ALL	465363.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
1644	ALL	465383.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
1645	ALL	465403.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
1646	ALL	465423.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1647	ALL	465443.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
1648	ALL	465463.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05

1649	ALL	465483.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
1650	ALL	465503.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
1651	ALL	465523.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
1652	ALL	465543.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-06
1653	ALL	465563.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-06
1654	ALL	465583.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-06
1655	ALL	465603.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06
1656	ALL	465623.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06
1657	ALL	465643.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-06
1658	ALL	465663.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-06
1659	ALL	465683.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06
1660	ALL	465703.4	3807962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06
1661	ALL	464743.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05
1662	ALL	464763.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1663	ALL	464783.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
1664	ALL	464803.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
1665	ALL	464823.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
1666	ALL	464843.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
1667	ALL	464863.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
1668	ALL	464883.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
1669	ALL	464903.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
1670	ALL	464923.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1671	ALL	464943.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1672	ALL	464963.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
1673	ALL	464983.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
1674	ALL	465003.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
1675	ALL	465023.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
1676	ALL	465043.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
1677	ALL	465063.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1678	ALL	465083.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
1679	ALL	465103.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
1680	ALL	465123.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1681	ALL	465143.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1682	ALL	465163.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
1683	ALL	465183.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1684	ALL	465203.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1685	ALL	465223.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1686	ALL	465243.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
1687	ALL	465263.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1688	ALL	465283.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1689	ALL	465303.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
1690	ALL	465323.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
1691	ALL	465343.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
1692	ALL	465363.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1693	ALL	465383.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
1694	ALL	465403.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1695	ALL	465423.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1696	ALL	465443.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1697	ALL	465463.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
1698	ALL	465483.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05

1699	ALL	465503.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
1700	ALL	465523.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
1701	ALL	465543.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-06
1702	ALL	465563.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06
1703	ALL	465583.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-06
1704	ALL	465603.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-06
1705	ALL	465623.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-06
1706	ALL	465643.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-06
1707	ALL	465663.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-06
1708	ALL	465683.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-06
1709	ALL	465703.4	3807982	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-06
1710	ALL	464763.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
1711	ALL	464783.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
1712	ALL	464803.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
1713	ALL	464823.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
1714	ALL	464843.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1715	ALL	464863.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1716	ALL	464883.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
1717	ALL	464903.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
1718	ALL	464923.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
1719	ALL	464943.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1720	ALL	464963.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1721	ALL	464983.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
1722	ALL	465003.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
1723	ALL	465023.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
1724	ALL	465043.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
1725	ALL	465063.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
1726	ALL	465083.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
1727	ALL	465103.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1728	ALL	465123.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1729	ALL	465143.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1730	ALL	465163.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1731	ALL	465183.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1732	ALL	465203.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
1733	ALL	465223.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1734	ALL	465243.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1735	ALL	465263.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1736	ALL	465283.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1737	ALL	465303.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1738	ALL	465323.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1739	ALL	465343.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
1740	ALL	465363.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
1741	ALL	465383.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1742	ALL	465403.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
1743	ALL	465423.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1744	ALL	465443.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1745	ALL	465463.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
1746	ALL	465483.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
1747	ALL	465503.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
1748	ALL	465523.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05

1749	ALL	465543.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
1750	ALL	465563.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-06
1751	ALL	465583.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-06
1752	ALL	465603.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-06
1753	ALL	465623.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-06
1754	ALL	465643.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-06
1755	ALL	465663.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-06
1756	ALL	465683.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-06
1757	ALL	465703.4	3808002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-06
1758	ALL	464763.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
1759	ALL	464783.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
1760	ALL	464803.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
1761	ALL	464823.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
1762	ALL	464843.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
1763	ALL	464863.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
1764	ALL	464883.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
1765	ALL	464903.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1766	ALL	464923.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1767	ALL	464943.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
1768	ALL	464963.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1769	ALL	464983.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
1770	ALL	465003.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
1771	ALL	465023.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
1772	ALL	465043.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1773	ALL	465063.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
1774	ALL	465083.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
1775	ALL	465103.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
1776	ALL	465123.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
1777	ALL	465143.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1778	ALL	465163.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
1779	ALL	465183.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1780	ALL	465203.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1781	ALL	465223.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1782	ALL	465243.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1783	ALL	465263.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1784	ALL	465283.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1785	ALL	465303.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1786	ALL	465323.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1787	ALL	465343.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1788	ALL	465363.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
1789	ALL	465383.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
1790	ALL	465403.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
1791	ALL	465423.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
1792	ALL	465443.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
1793	ALL	465463.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1794	ALL	465483.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
1795	ALL	465503.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
1796	ALL	465523.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
1797	ALL	465543.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
1798	ALL	465563.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05

1799	ALL	465583.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-06
1800	ALL	465603.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-06
1801	ALL	465623.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-06
1802	ALL	465643.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-06
1803	ALL	465663.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-06
1804	ALL	465683.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-06
1805	ALL	465703.4	3808022	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06
1806	ALL	464783.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05
1807	ALL	464803.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1808	ALL	464823.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
1809	ALL	464843.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
1810	ALL	464863.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
1811	ALL	464883.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
1812	ALL	464903.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1813	ALL	464923.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
1814	ALL	464943.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1815	ALL	464963.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1816	ALL	464983.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
1817	ALL	465003.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1818	ALL	465023.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
1819	ALL	465043.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
1820	ALL	465063.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
1821	ALL	465083.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1822	ALL	465103.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1823	ALL	465123.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
1824	ALL	465143.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
1825	ALL	465163.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1826	ALL	465183.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
1827	ALL	465203.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
1828	ALL	465223.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1829	ALL	465243.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1830	ALL	465263.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1831	ALL	465283.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1832	ALL	465303.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1833	ALL	465323.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1834	ALL	465343.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
1835	ALL	465363.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
1836	ALL	465383.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
1837	ALL	465403.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
1838	ALL	465423.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
1839	ALL	465443.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
1840	ALL	465463.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
1841	ALL	465483.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1842	ALL	465503.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
1843	ALL	465523.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
1844	ALL	465543.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
1845	ALL	465563.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
1846	ALL	465583.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
1847	ALL	465603.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-06
1848	ALL	465623.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-06

1849	ALL	465643.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-06
1850	ALL	465663.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-06
1851	ALL	465683.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-06
1852	ALL	465703.4	3808042	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-06
1853	ALL	464803.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
1854	ALL	464823.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
1855	ALL	464843.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
1856	ALL	464863.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1857	ALL	464883.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1858	ALL	464903.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1859	ALL	464923.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
1860	ALL	464943.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
1861	ALL	464963.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
1862	ALL	464983.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
1863	ALL	465003.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1864	ALL	465023.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
1865	ALL	465043.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
1866	ALL	465063.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1867	ALL	465083.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
1868	ALL	465103.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
1869	ALL	465123.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1870	ALL	465143.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1871	ALL	465163.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1872	ALL	465183.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1873	ALL	465203.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1874	ALL	465223.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1875	ALL	465243.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1876	ALL	465263.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1877	ALL	465283.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1878	ALL	465303.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
1879	ALL	465323.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1880	ALL	465343.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1881	ALL	465363.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
1882	ALL	465383.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
1883	ALL	465403.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
1884	ALL	465423.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1885	ALL	465443.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
1886	ALL	465463.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1887	ALL	465483.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
1888	ALL	465503.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1889	ALL	465523.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
1890	ALL	465543.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
1891	ALL	465563.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
1892	ALL	465583.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
1893	ALL	465603.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
1894	ALL	465623.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-06
1895	ALL	465643.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-06
1896	ALL	465663.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-06
1897	ALL	465683.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06
1898	ALL	465703.4	3808062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06

1899	ALL	464823.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
1900	ALL	464843.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
1901	ALL	464863.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
1902	ALL	464883.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
1903	ALL	464903.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
1904	ALL	464923.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1905	ALL	464943.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
1906	ALL	464963.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
1907	ALL	464983.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1908	ALL	465003.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1909	ALL	465023.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1910	ALL	465043.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
1911	ALL	465063.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
1912	ALL	465083.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
1913	ALL	465103.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
1914	ALL	465123.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
1915	ALL	465143.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
1916	ALL	465163.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1917	ALL	465183.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1918	ALL	465203.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1919	ALL	465223.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1920	ALL	465243.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1921	ALL	465263.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
1922	ALL	465283.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1923	ALL	465303.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1924	ALL	465323.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1925	ALL	465343.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1926	ALL	465363.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1927	ALL	465383.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1928	ALL	465403.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
1929	ALL	465423.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
1930	ALL	465443.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1931	ALL	465463.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
1932	ALL	465483.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1933	ALL	465503.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1934	ALL	465523.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
1935	ALL	465543.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
1936	ALL	465563.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
1937	ALL	465583.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
1938	ALL	465603.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
1939	ALL	465623.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-06
1940	ALL	465643.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06
1941	ALL	465663.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-06
1942	ALL	465683.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06
1943	ALL	465703.4	3808082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-06
1944	ALL	464843.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
1945	ALL	464863.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
1946	ALL	464883.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
1947	ALL	464903.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
1948	ALL	464923.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05

1949	ALL	464943.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
1950	ALL	464963.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1951	ALL	464983.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1952	ALL	465003.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
1953	ALL	465023.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1954	ALL	465043.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
1955	ALL	465063.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
1956	ALL	465083.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
1957	ALL	465103.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1958	ALL	465123.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
1959	ALL	465143.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
1960	ALL	465163.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
1961	ALL	465183.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
1962	ALL	465203.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1963	ALL	465223.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
1964	ALL	465243.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1965	ALL	465263.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1966	ALL	465283.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1967	ALL	465303.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1968	ALL	465323.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1969	ALL	465343.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1970	ALL	465363.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1971	ALL	465383.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1972	ALL	465403.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1973	ALL	465423.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
1974	ALL	465443.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
1975	ALL	465463.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1976	ALL	465483.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
1977	ALL	465503.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1978	ALL	465523.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1979	ALL	465543.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
1980	ALL	465563.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
1981	ALL	465583.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
1982	ALL	465603.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
1983	ALL	465623.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
1984	ALL	465643.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-06
1985	ALL	465663.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-06
1986	ALL	465683.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06
1987	ALL	465703.4	3808102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-06
1988	ALL	464863.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1989	ALL	464883.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
1990	ALL	464903.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
1991	ALL	464923.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
1992	ALL	464943.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
1993	ALL	464963.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1994	ALL	464983.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
1995	ALL	465003.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
1996	ALL	465023.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1997	ALL	465043.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
1998	ALL	465063.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05

1999 ALL	465083.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
2000 ALL	465103.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
2001 ALL	465123.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
2002 ALL	465143.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
2003 ALL	465163.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
2004 ALL	465183.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
2005 ALL	465203.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
2006 ALL	465223.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
2007 ALL	465243.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
2008 ALL	465263.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
2009 ALL	465283.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
2010 ALL	465303.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
2011 ALL	465323.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
2012 ALL	465343.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
2013 ALL	465363.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
2014 ALL	465383.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
2015 ALL	465403.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
2016 ALL	465423.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2017 ALL	465443.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2018 ALL	465463.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
2019 ALL	465483.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
2020 ALL	465503.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
2021 ALL	465523.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
2022 ALL	465543.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
2023 ALL	465563.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
2024 ALL	465583.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
2025 ALL	465603.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2026 ALL	465623.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
2027 ALL	465643.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
2028 ALL	465663.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-06
2029 ALL	465683.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-06
2030 ALL	465703.4	3808122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-06
2031 ALL	464883.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
2032 ALL	464903.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
2033 ALL	464923.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
2034 ALL	464943.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
2035 ALL	464963.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
2036 ALL	464983.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
2037 ALL	465003.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
2038 ALL	465023.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
2039 ALL	465043.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
2040 ALL	465063.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
2041 ALL	465083.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
2042 ALL	465103.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
2043 ALL	465123.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
2044 ALL	465143.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
2045 ALL	465163.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
2046 ALL	465183.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
2047 ALL	465203.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
2048 ALL	465223.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05

2049 ALL	465243.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
2050 ALL	465263.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
2051 ALL	465283.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
2052 ALL	465303.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
2053 ALL	465323.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2054 ALL	465343.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
2055 ALL	465363.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
2056 ALL	465383.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
2057 ALL	465403.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
2058 ALL	465423.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2059 ALL	465443.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
2060 ALL	465463.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2061 ALL	465483.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
2062 ALL	465503.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
2063 ALL	465523.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
2064 ALL	465543.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
2065 ALL	465563.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
2066 ALL	465583.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
2067 ALL	465603.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
2068 ALL	465623.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2069 ALL	465643.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
2070 ALL	465663.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
2071 ALL	465683.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-06
2072 ALL	465703.4	3808142	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-06
2073 ALL	464883.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
2074 ALL	464903.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
2075 ALL	464923.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
2076 ALL	464943.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
2077 ALL	464963.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
2078 ALL	464983.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
2079 ALL	465003.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
2080 ALL	465023.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
2081 ALL	465043.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
2082 ALL	465063.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
2083 ALL	465083.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
2084 ALL	465103.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
2085 ALL	465123.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
2086 ALL	465143.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
2087 ALL	465163.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
2088 ALL	465183.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
2089 ALL	465203.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
2090 ALL	465223.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
2091 ALL	465243.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
2092 ALL	465263.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
2093 ALL	465283.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
2094 ALL	465303.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
2095 ALL	465323.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
2096 ALL	465343.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2097 ALL	465363.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
2098 ALL	465383.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05

2099	ALL	465403.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
2100	ALL	465423.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
2101	ALL	465443.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2102	ALL	465463.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
2103	ALL	465483.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2104	ALL	465503.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
2105	ALL	465523.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
2106	ALL	465543.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
2107	ALL	465563.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
2108	ALL	465583.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
2109	ALL	465603.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
2110	ALL	465623.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
2111	ALL	465643.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2112	ALL	465663.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
2113	ALL	465683.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
2114	ALL	465703.4	3808162	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-06
2115	ALL	464903.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
2116	ALL	464923.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
2117	ALL	464943.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
2118	ALL	464963.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
2119	ALL	464983.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
2120	ALL	465003.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
2121	ALL	465023.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
2122	ALL	465043.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
2123	ALL	465063.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
2124	ALL	465083.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
2125	ALL	465103.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
2126	ALL	465123.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
2127	ALL	465143.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
2128	ALL	465163.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
2129	ALL	465183.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
2130	ALL	465203.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
2131	ALL	465223.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
2132	ALL	465243.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
2133	ALL	465263.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
2134	ALL	465283.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
2135	ALL	465303.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
2136	ALL	465323.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
2137	ALL	465343.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
2138	ALL	465363.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2139	ALL	465383.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
2140	ALL	465403.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
2141	ALL	465423.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2142	ALL	465443.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
2143	ALL	465463.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2144	ALL	465483.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
2145	ALL	465503.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2146	ALL	465523.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
2147	ALL	465543.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
2148	ALL	465563.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05

2149	ALL	465583.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
2150	ALL	465603.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
2151	ALL	465623.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
2152	ALL	465643.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
2153	ALL	465663.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2154	ALL	465683.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
2155	ALL	465703.4	3808182	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
2156	ALL	464923.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
2157	ALL	464943.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
2158	ALL	464963.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
2159	ALL	464983.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
2160	ALL	465003.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
2161	ALL	465023.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
2162	ALL	465043.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
2163	ALL	465063.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
2164	ALL	465083.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
2165	ALL	465103.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
2166	ALL	465123.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
2167	ALL	465143.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
2168	ALL	465163.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
2169	ALL	465183.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
2170	ALL	465203.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
2171	ALL	465223.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
2172	ALL	465243.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
2173	ALL	465263.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
2174	ALL	465283.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
2175	ALL	465303.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
2176	ALL	465323.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
2177	ALL	465343.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
2178	ALL	465363.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
2179	ALL	465383.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
2180	ALL	465403.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
2181	ALL	465423.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2182	ALL	465443.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2183	ALL	465463.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
2184	ALL	465483.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2185	ALL	465503.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
2186	ALL	465523.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
2187	ALL	465543.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
2188	ALL	465563.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
2189	ALL	465583.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
2190	ALL	465603.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
2191	ALL	465623.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
2192	ALL	465643.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
2193	ALL	465663.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
2194	ALL	465683.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2195	ALL	465703.4	3808202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
2196	ALL	464943.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
2197	ALL	464963.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
2198	ALL	464983.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05

2199	ALL	465003.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
2200	ALL	465023.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
2201	ALL	465043.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
2202	ALL	465063.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
2203	ALL	465083.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
2204	ALL	465103.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
2205	ALL	465123.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
2206	ALL	465143.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
2207	ALL	465163.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
2208	ALL	465183.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
2209	ALL	465203.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
2210	ALL	465223.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
2211	ALL	465243.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
2212	ALL	465263.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
2213	ALL	465283.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
2214	ALL	465303.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
2215	ALL	465323.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
2216	ALL	465343.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
2217	ALL	465363.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
2218	ALL	465383.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
2219	ALL	465403.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
2220	ALL	465423.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
2221	ALL	465443.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2222	ALL	465463.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2223	ALL	465483.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
2224	ALL	465503.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2225	ALL	465523.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
2226	ALL	465543.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
2227	ALL	465563.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
2228	ALL	465583.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
2229	ALL	465603.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
2230	ALL	465623.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
2231	ALL	465643.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
2232	ALL	465663.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
2233	ALL	465683.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
2234	ALL	465703.4	3808222	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
2235	ALL	464963.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
2236	ALL	464983.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
2237	ALL	465003.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
2238	ALL	465023.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
2239	ALL	465043.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
2240	ALL	465063.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
2241	ALL	465083.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
2242	ALL	465103.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
2243	ALL	465123.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
2244	ALL	465143.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
2245	ALL	465163.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
2246	ALL	465183.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
2247	ALL	465203.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
2248	ALL	465223.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05

2249	ALL	465243.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
2250	ALL	465263.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
2251	ALL	465283.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
2252	ALL	465303.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
2253	ALL	465323.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
2254	ALL	465343.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
2255	ALL	465363.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
2256	ALL	465383.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
2257	ALL	465403.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
2258	ALL	465423.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
2259	ALL	465443.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
2260	ALL	465463.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2261	ALL	465483.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
2262	ALL	465503.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
2263	ALL	465523.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2264	ALL	465543.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
2265	ALL	465563.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
2266	ALL	465583.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
2267	ALL	465603.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
2268	ALL	465623.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
2269	ALL	465643.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
2270	ALL	465663.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
2271	ALL	465683.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
2272	ALL	465703.4	3808242	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
2273	ALL	464983.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
2274	ALL	465003.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
2275	ALL	465023.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
2276	ALL	465043.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
2277	ALL	465063.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
2278	ALL	465083.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
2279	ALL	465103.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
2280	ALL	465123.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
2281	ALL	465143.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
2282	ALL	465163.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
2283	ALL	465183.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
2284	ALL	465203.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
2285	ALL	465223.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
2286	ALL	465243.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
2287	ALL	465263.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
2288	ALL	465283.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
2289	ALL	465303.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
2290	ALL	465323.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
2291	ALL	465343.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
2292	ALL	465363.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
2293	ALL	465383.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
2294	ALL	465403.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
2295	ALL	465423.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
2296	ALL	465443.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
2297	ALL	465463.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
2298	ALL	465483.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05

2299	ALL	465503.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
2300	ALL	465523.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
2301	ALL	465543.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2302	ALL	465563.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2303	ALL	465583.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
2304	ALL	465603.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
2305	ALL	465623.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
2306	ALL	465643.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
2307	ALL	465663.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
2308	ALL	465683.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
2309	ALL	465703.4	3808262	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
2310	ALL	465003.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
2311	ALL	465023.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
2312	ALL	465043.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
2313	ALL	465063.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
2314	ALL	465083.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
2315	ALL	465103.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
2316	ALL	465123.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
2317	ALL	465143.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
2318	ALL	465163.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
2319	ALL	465183.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
2320	ALL	465203.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
2321	ALL	465223.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
2322	ALL	465243.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
2323	ALL	465263.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
2324	ALL	465283.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
2325	ALL	465303.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
2326	ALL	465323.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
2327	ALL	465343.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
2328	ALL	465363.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
2329	ALL	465383.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
2330	ALL	465403.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
2331	ALL	465423.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
2332	ALL	465443.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2333	ALL	465463.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
2334	ALL	465483.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
2335	ALL	465503.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
2336	ALL	465523.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
2337	ALL	465543.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2338	ALL	465563.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
2339	ALL	465583.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2340	ALL	465603.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
2341	ALL	465623.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
2342	ALL	465643.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
2343	ALL	465663.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
2344	ALL	465683.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
2345	ALL	465703.4	3808282	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
2346	ALL	465003.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
2347	ALL	465023.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
2348	ALL	465043.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05

2349	ALL	465063.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
2350	ALL	465083.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
2351	ALL	465103.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
2352	ALL	465123.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
2353	ALL	465143.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
2354	ALL	465163.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
2355	ALL	465183.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
2356	ALL	465203.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
2357	ALL	465223.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
2358	ALL	465243.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
2359	ALL	465263.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
2360	ALL	465283.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
2361	ALL	465303.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
2362	ALL	465323.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
2363	ALL	465343.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
2364	ALL	465363.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
2365	ALL	465383.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
2366	ALL	465403.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
2367	ALL	465423.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
2368	ALL	465443.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
2369	ALL	465463.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2370	ALL	465483.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
2371	ALL	465503.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
2372	ALL	465523.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2373	ALL	465543.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
2374	ALL	465563.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2375	ALL	465583.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
2376	ALL	465603.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2377	ALL	465623.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
2378	ALL	465643.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
2379	ALL	465663.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
2380	ALL	465683.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
2381	ALL	465703.4	3808302	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
2382	ALL	465043.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
2383	ALL	465063.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
2384	ALL	465083.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
2385	ALL	465103.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
2386	ALL	465123.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
2387	ALL	465143.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
2388	ALL	465163.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
2389	ALL	465183.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
2390	ALL	465203.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
2391	ALL	465223.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
2392	ALL	465243.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
2393	ALL	465263.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
2394	ALL	465283.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
2395	ALL	465303.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
2396	ALL	465323.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
2397	ALL	465343.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
2398	ALL	465363.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05

2399 ALL	465383.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
2400 ALL	465403.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
2401 ALL	465423.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
2402 ALL	465443.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
2403 ALL	465463.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
2404 ALL	465483.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
2405 ALL	465503.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
2406 ALL	465523.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2407 ALL	465543.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2408 ALL	465563.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
2409 ALL	465583.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2410 ALL	465603.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
2411 ALL	465623.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
2412 ALL	465643.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
2413 ALL	465663.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
2414 ALL	465683.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
2415 ALL	465703.4	3808322	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
2416 ALL	465083.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
2417 ALL	465103.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
2418 ALL	465123.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
2419 ALL	465143.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
2420 ALL	465163.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
2421 ALL	465183.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
2422 ALL	465203.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
2423 ALL	465223.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
2424 ALL	465243.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
2425 ALL	465263.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
2426 ALL	465283.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
2427 ALL	465303.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
2428 ALL	465323.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
2429 ALL	465343.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
2430 ALL	465363.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
2431 ALL	465383.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
2432 ALL	465403.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
2433 ALL	465423.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
2434 ALL	465443.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
2435 ALL	465463.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
2436 ALL	465483.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
2437 ALL	465503.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
2438 ALL	465523.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
2439 ALL	465543.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2440 ALL	465563.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
2441 ALL	465583.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
2442 ALL	465603.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2443 ALL	465623.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
2444 ALL	465643.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
2445 ALL	465663.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
2446 ALL	465683.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
2447 ALL	465703.4	3808342	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
2448 ALL	465103.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05

2449	ALL	465123.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
2450	ALL	465143.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
2451	ALL	465163.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
2452	ALL	465183.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
2453	ALL	465203.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
2454	ALL	465223.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
2455	ALL	465243.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
2456	ALL	465263.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
2457	ALL	465283.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
2458	ALL	465303.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
2459	ALL	465323.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
2460	ALL	465343.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
2461	ALL	465363.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
2462	ALL	465383.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
2463	ALL	465403.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
2464	ALL	465423.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
2465	ALL	465443.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
2466	ALL	465463.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
2467	ALL	465483.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
2468	ALL	465503.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2469	ALL	465523.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
2470	ALL	465543.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
2471	ALL	465563.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
2472	ALL	465583.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
2473	ALL	465603.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2474	ALL	465623.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
2475	ALL	465643.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2476	ALL	465663.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
2477	ALL	465683.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
2478	ALL	465703.4	3808362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
2479	ALL	465183.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
2480	ALL	465203.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
2481	ALL	465223.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
2482	ALL	465243.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
2483	ALL	465263.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
2484	ALL	465283.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
2485	ALL	465303.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
2486	ALL	465323.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
2487	ALL	465343.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
2488	ALL	465363.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
2489	ALL	465383.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
2490	ALL	465403.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
2491	ALL	465423.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
2492	ALL	465443.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
2493	ALL	465463.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
2494	ALL	465483.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
2495	ALL	465503.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
2496	ALL	465523.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2497	ALL	465543.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
2498	ALL	465563.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05

2499	ALL	465583.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2500	ALL	465603.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
2501	ALL	465623.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2502	ALL	465643.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
2503	ALL	465663.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2504	ALL	465683.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
2505	ALL	465703.4	3808382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
2506	ALL	465303.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
2507	ALL	465323.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
2508	ALL	465343.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
2509	ALL	465363.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
2510	ALL	465383.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
2511	ALL	465403.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
2512	ALL	465423.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
2513	ALL	465443.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
2514	ALL	465463.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
2515	ALL	465483.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
2516	ALL	465503.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
2517	ALL	465523.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
2518	ALL	465543.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
2519	ALL	465563.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
2520	ALL	465583.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2521	ALL	465603.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2522	ALL	465623.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
2523	ALL	465643.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2524	ALL	465663.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
2525	ALL	465683.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
2526	ALL	465703.4	3808402	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
2527	ALL	465323.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
2528	ALL	465343.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
2529	ALL	465363.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
2530	ALL	465383.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
2531	ALL	465403.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
2532	ALL	465423.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
2533	ALL	465443.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
2534	ALL	465463.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
2535	ALL	465483.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
2536	ALL	465503.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
2537	ALL	465523.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
2538	ALL	465543.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
2539	ALL	465563.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
2540	ALL	465583.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
2541	ALL	465603.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
2542	ALL	465623.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
2543	ALL	465643.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
2544	ALL	465663.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2545	ALL	465683.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
2546	ALL	465703.4	3808422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
2547	ALL	465323.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
2548	ALL	465343.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05

2549	ALL	465363.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
2550	ALL	465383.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
2551	ALL	465403.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
2552	ALL	465423.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
2553	ALL	465443.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
2554	ALL	465463.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
2555	ALL	465483.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
2556	ALL	465503.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
2557	ALL	465523.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
2558	ALL	465543.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
2559	ALL	465563.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2560	ALL	465583.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
2561	ALL	465603.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
2562	ALL	465623.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2563	ALL	465643.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
2564	ALL	465663.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2565	ALL	465683.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
2566	ALL	465703.4	3808442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2567	ALL	465343.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
2568	ALL	465363.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
2569	ALL	465383.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
2570	ALL	465403.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
2571	ALL	465423.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
2572	ALL	465443.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
2573	ALL	465463.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
2574	ALL	465483.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
2575	ALL	465503.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
2576	ALL	465523.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
2577	ALL	465543.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
2578	ALL	465563.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
2579	ALL	465583.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
2580	ALL	465603.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
2581	ALL	465623.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2582	ALL	465643.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2583	ALL	465663.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
2584	ALL	465683.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2585	ALL	465703.4	3808462	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
2586	ALL	465343.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
2587	ALL	465363.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
2588	ALL	465383.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
2589	ALL	465403.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
2590	ALL	465423.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
2591	ALL	465443.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
2592	ALL	465463.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
2593	ALL	465483.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
2594	ALL	465503.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
2595	ALL	465523.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
2596	ALL	465543.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
2597	ALL	465563.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
2598	ALL	465583.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05

2599	ALL	465603.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
2600	ALL	465623.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
2601	ALL	465643.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
2602	ALL	465663.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
2603	ALL	465683.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
2604	ALL	465703.4	3808482	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
2605	ALL	465463.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
2606	ALL	465483.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
2607	ALL	465503.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
2608	ALL	465523.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
2609	ALL	465543.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
2610	ALL	465563.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
2611	ALL	465583.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
2612	ALL	465603.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
2613	ALL	465623.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
2614	ALL	465643.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2615	ALL	465663.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2616	ALL	465683.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
2617	ALL	465703.4	3808502	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2618	ALL	465523.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
2619	ALL	465543.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
2620	ALL	465563.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
2621	ALL	465583.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
2622	ALL	465603.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2623	ALL	465623.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
2624	ALL	465643.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
2625	ALL	465663.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
2626	ALL	465683.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
2627	ALL	465703.4	3808522	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
2628	ALL	464239.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
2629	ALL	464277.3	3809562	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
2630	ALL	463745.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2631	ALL	463783.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2632	ALL	463821.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2633	ALL	463859.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
2634	ALL	463897.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2635	ALL	463935.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2636	ALL	464239.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
2637	ALL	464277.3	3809591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2638	ALL	463745.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2639	ALL	463783.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2640	ALL	463821.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2641	ALL	463859.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2642	ALL	463897.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2643	ALL	463935.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2644	ALL	463973.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2645	ALL	464011.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
2646	ALL	464049.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2647	ALL	464087.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
2648	ALL	464125.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04

2649	ALL	464163.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2650	ALL	464201.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2651	ALL	464239.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2652	ALL	464277.3	3809620	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2653	ALL	463745.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05
2654	ALL	463783.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05
2655	ALL	463821.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05
2656	ALL	463859.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05
2657	ALL	463897.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05
2658	ALL	463935.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05
2659	ALL	463973.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05
2660	ALL	464011.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05
2661	ALL	464049.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05
2662	ALL	464087.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05
2663	ALL	464125.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05
2664	ALL	464163.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05
2665	ALL	464201.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05
2666	ALL	464239.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05
2667	ALL	464277.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05
2668	ALL	464315.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05
2669	ALL	464353.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05
2670	ALL	464391.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05
2671	ALL	464429.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05
2672	ALL	464467.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
2673	ALL	464505.3	3809649	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05
2674	ALL	463745.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
2675	ALL	463783.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05
2676	ALL	463821.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
2677	ALL	463859.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05
2678	ALL	463897.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
2679	ALL	463935.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05
2680	ALL	463973.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05
2681	ALL	464011.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05
2682	ALL	464049.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05
2683	ALL	464087.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05
2684	ALL	464125.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05
2685	ALL	464163.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
2686	ALL	464201.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05
2687	ALL	464239.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05
2688	ALL	464277.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05
2689	ALL	464315.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05
2690	ALL	464353.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05
2691	ALL	464391.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
2692	ALL	464429.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05
2693	ALL	464467.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05
2694	ALL	464505.3	3809679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05
2695	ALL	463745.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
2696	ALL	463783.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05
2697	ALL	463821.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05
2698	ALL	463859.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05

2699	ALL	463897.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05
2700	ALL	463935.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
2701	ALL	463973.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05
2702	ALL	464011.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05
2703	ALL	464049.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05
2704	ALL	464087.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05
2705	ALL	464125.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
2706	ALL	464163.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05
2707	ALL	464201.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
2708	ALL	464239.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05
2709	ALL	464277.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
2710	ALL	464315.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05
2711	ALL	464353.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
2712	ALL	464391.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
2713	ALL	464429.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
2714	ALL	464467.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05
2715	ALL	464505.3	3809708	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05
2716	ALL	463745.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05
2717	ALL	463783.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
2718	ALL	463821.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05
2719	ALL	463859.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05
2720	ALL	463897.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05
2721	ALL	463935.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
2722	ALL	463973.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05
2723	ALL	464011.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05
2724	ALL	464049.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05
2725	ALL	464087.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05
2726	ALL	464125.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05
2727	ALL	464163.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
2728	ALL	464201.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05
2729	ALL	464239.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05
2730	ALL	464277.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05
2731	ALL	464315.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05
2732	ALL	464353.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05
2733	ALL	464391.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05
2734	ALL	464429.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05
2735	ALL	464467.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
2736	ALL	464505.3	3809737	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
2737	ALL	463745.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05
2738	ALL	463783.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05
2739	ALL	463821.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05
2740	ALL	463859.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05
2741	ALL	463897.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
2742	ALL	463935.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05
2743	ALL	463973.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05
2744	ALL	464011.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
2745	ALL	464049.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
2746	ALL	464087.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05
2747	ALL	464125.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05
2748	ALL	464163.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05

2749 ALL	464201.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05
2750 ALL	464239.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
2751 ALL	464277.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
2752 ALL	464315.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
2753 ALL	464353.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
2754 ALL	464391.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05
2755 ALL	464429.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
2756 ALL	464467.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
2757 ALL	464505.3	3809766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
2758 ALL	463745.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
2759 ALL	463783.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
2760 ALL	463821.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05
2761 ALL	463859.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05
2762 ALL	463897.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
2763 ALL	463935.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05
2764 ALL	463973.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05
2765 ALL	464011.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05
2766 ALL	464049.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05
2767 ALL	464087.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
2768 ALL	464125.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05
2769 ALL	464163.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
2770 ALL	464201.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
2771 ALL	464239.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
2772 ALL	464277.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05
2773 ALL	464315.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
2774 ALL	464353.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05
2775 ALL	464391.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05
2776 ALL	464429.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05
2777 ALL	464467.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
2778 ALL	464505.3	3809795	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05
2779 ALL	463745.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
2780 ALL	463783.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05
2781 ALL	463821.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05
2782 ALL	463859.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
2783 ALL	463897.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05
2784 ALL	463935.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
2785 ALL	463973.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
2786 ALL	464011.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05
2787 ALL	464049.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
2788 ALL	464087.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
2789 ALL	464125.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
2790 ALL	464163.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
2791 ALL	464201.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
2792 ALL	464239.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05
2793 ALL	464277.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05
2794 ALL	464315.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
2795 ALL	464353.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
2796 ALL	464391.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05
2797 ALL	464429.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05
2798 ALL	464467.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05

2799	ALL	464505.3	3809824	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05
2800	ALL	463745.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05
2801	ALL	463783.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
2802	ALL	463821.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05
2803	ALL	463859.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05
2804	ALL	463897.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
2805	ALL	463935.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05
2806	ALL	463973.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05
2807	ALL	464011.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
2808	ALL	464049.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05
2809	ALL	464087.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
2810	ALL	464125.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05
2811	ALL	464163.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
2812	ALL	464201.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05
2813	ALL	464239.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
2814	ALL	464277.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05
2815	ALL	464315.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
2816	ALL	464353.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
2817	ALL	464391.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
2818	ALL	464429.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
2819	ALL	464467.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
2820	ALL	464505.3	3809853	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
2821	ALL	463745.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
2822	ALL	463783.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05
2823	ALL	463821.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05
2824	ALL	463859.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05
2825	ALL	463897.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
2826	ALL	463935.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
2827	ALL	463973.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
2828	ALL	464011.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
2829	ALL	464049.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
2830	ALL	464087.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
2831	ALL	464125.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
2832	ALL	464163.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
2833	ALL	464201.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05
2834	ALL	464239.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05
2835	ALL	464277.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05
2836	ALL	464315.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05
2837	ALL	464353.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
2838	ALL	464391.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
2839	ALL	464429.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05
2840	ALL	464467.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05
2841	ALL	464505.3	3809882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
2842	ALL	463745.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05
2843	ALL	463783.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05
2844	ALL	463821.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05
2845	ALL	463859.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
2846	ALL	463897.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
2847	ALL	463935.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05
2848	ALL	463973.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05

2849	ALL	464011.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
2850	ALL	464049.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
2851	ALL	464087.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05
2852	ALL	464125.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
2853	ALL	464163.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
2854	ALL	464201.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
2855	ALL	464239.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
2856	ALL	464277.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05
2857	ALL	464315.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
2858	ALL	464353.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05
2859	ALL	464391.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
2860	ALL	464429.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05
2861	ALL	464467.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05
2862	ALL	464505.3	3809911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05
2863	ALL	463745.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05
2864	ALL	463783.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
2865	ALL	463821.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
2866	ALL	463859.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05
2867	ALL	463897.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05
2868	ALL	463935.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05
2869	ALL	463973.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
2870	ALL	464011.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
2871	ALL	464049.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
2872	ALL	464087.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
2873	ALL	464125.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
2874	ALL	464163.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
2875	ALL	464201.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
2876	ALL	464239.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05
2877	ALL	464277.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
2878	ALL	464315.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05
2879	ALL	464353.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
2880	ALL	464391.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05
2881	ALL	464429.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05
2882	ALL	464467.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
2883	ALL	464505.3	3809940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
2884	ALL	463745.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
2885	ALL	463783.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
2886	ALL	463821.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
2887	ALL	463859.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05
2888	ALL	463897.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
2889	ALL	463935.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
2890	ALL	463973.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05
2891	ALL	464011.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
2892	ALL	464049.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
2893	ALL	464087.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
2894	ALL	464125.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
2895	ALL	464163.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
2896	ALL	464201.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
2897	ALL	464239.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
2898	ALL	464277.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05

2899	ALL	464315.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
2900	ALL	464353.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
2901	ALL	464391.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
2902	ALL	464429.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
2903	ALL	464467.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05
2904	ALL	464505.3	3809969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
2905	ALL	463745.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
2906	ALL	463783.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
2907	ALL	463821.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05
2908	ALL	463859.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05
2909	ALL	463897.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
2910	ALL	463935.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
2911	ALL	463973.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
2912	ALL	464011.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
2913	ALL	464049.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
2914	ALL	464087.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
2915	ALL	464125.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
2916	ALL	464163.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05
2917	ALL	464201.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05
2918	ALL	464239.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
2919	ALL	464277.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05
2920	ALL	464315.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
2921	ALL	464353.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
2922	ALL	464391.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
2923	ALL	464429.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
2924	ALL	464467.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
2925	ALL	464505.3	3809998	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
2926	ALL	463745.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05
2927	ALL	463783.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
2928	ALL	463821.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05
2929	ALL	463859.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
2930	ALL	463897.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
2931	ALL	463935.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
2932	ALL	463973.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05
2933	ALL	464011.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05
2934	ALL	464049.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05
2935	ALL	464087.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
2936	ALL	464125.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
2937	ALL	464163.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05
2938	ALL	464201.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05
2939	ALL	464239.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
2940	ALL	464277.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
2941	ALL	464315.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
2942	ALL	464353.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
2943	ALL	464391.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
2944	ALL	464429.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05
2945	ALL	464467.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
2946	ALL	464505.3	3810027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
2947	ALL	463745.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
2948	ALL	463783.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05

2949	ALL	463821.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
2950	ALL	463859.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
2951	ALL	463897.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05
2952	ALL	463935.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
2953	ALL	463973.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
2954	ALL	464011.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
2955	ALL	464049.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
2956	ALL	464087.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
2957	ALL	464125.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
2958	ALL	464163.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
2959	ALL	464201.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
2960	ALL	464239.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
2961	ALL	464277.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05
2962	ALL	464315.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
2963	ALL	464353.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
2964	ALL	464391.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
2965	ALL	464429.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05
2966	ALL	464467.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
2967	ALL	464505.3	3810056	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
2968	ALL	463745.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
2969	ALL	463783.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05
2970	ALL	463821.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
2971	ALL	463859.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
2972	ALL	463897.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
2973	ALL	463935.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
2974	ALL	463973.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05
2975	ALL	464011.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
2976	ALL	464049.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
2977	ALL	464087.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
2978	ALL	464125.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05
2979	ALL	464163.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05
2980	ALL	464201.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05
2981	ALL	464239.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05
2982	ALL	464277.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05
2983	ALL	464315.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
2984	ALL	464353.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
2985	ALL	464391.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05
2986	ALL	464429.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
2987	ALL	464467.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05
2988	ALL	464505.3	3810085	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
2989	ALL	463745.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
2990	ALL	463783.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05
2991	ALL	463821.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
2992	ALL	463859.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
2993	ALL	463897.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05
2994	ALL	463935.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
2995	ALL	463973.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05
2996	ALL	464011.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
2997	ALL	464049.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05
2998	ALL	464087.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05

2999	ALL	464125.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
3000	ALL	464163.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
3001	ALL	464201.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
3002	ALL	464239.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
3003	ALL	464277.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
3004	ALL	464315.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05
3005	ALL	464353.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05
3006	ALL	464391.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
3007	ALL	464429.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
3008	ALL	464467.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05
3009	ALL	464505.3	3810114	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
3010	ALL	463745.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
3011	ALL	463783.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05
3012	ALL	463821.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
3013	ALL	463859.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
3014	ALL	463897.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
3015	ALL	463935.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
3016	ALL	463973.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
3017	ALL	464011.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
3018	ALL	464049.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05
3019	ALL	464087.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
3020	ALL	464125.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
3021	ALL	464163.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
3022	ALL	464201.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
3023	ALL	464239.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
3024	ALL	464277.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
3025	ALL	464315.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
3026	ALL	464353.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
3027	ALL	464391.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
3028	ALL	464429.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
3029	ALL	464467.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
3030	ALL	464505.3	3810144	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05
3031	ALL	464383.8	3807479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
3032	ALL	464355	3807405	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
3033	ALL	464402.1	3807352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
3034	ALL	464367.2	3807296	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
3035	ALL	464358.5	3807238	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
3036	ALL	464385.5	3807161	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-06
3037	ALL	463132.3	3810926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
3038	ALL	463237.8	3811199	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05
3039	ALL	464944.4	3809245	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
3040	ALL	465700.3	3809255	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
3041	ALL	465716.2	3808536	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
3042	ALL	465544.4	3808534	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
3043	ALL	465420.1	3808486	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
3044	ALL	465348.8	3808492	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
3045	ALL	465317.1	3808444	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
3046	ALL	465327.6	3808407	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
3047	ALL	465108.2	3808370	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
3048	ALL	464999.9	3808301	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05

3049	ALL	464722.3	3807973	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
3050	ALL	464717	3807836	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
3051	ALL	464344.3	3807936	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
3052	ALL	464349.6	3807781	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
3053	ALL	464386.6	3807786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
3054	ALL	464521.4	3807860	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
3055	ALL	464537.3	3807720	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
3056	ALL	464426.3	3807614	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
3057	ALL	464368.4	3807533	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
3058	ALL	464324.6	3807122	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-06
3059	ALL	464123.3	3807124	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
3060	ALL	463930.1	3806909	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
3061	ALL	463831.1	3806906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
3062	ALL	463821.4	3806721	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-06
3063	ALL	463727.2	3806727	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-06
3064	ALL	463599	3806335	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-06
3065	ALL	463001.1	3806362	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05

1.90E-04

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South Coast Air Quality Management District and the San Joaquin Valley Air Pollution Control District

S219783

IN THE SUPREME COURT OF C ALIFORNIA

SIERRA CLUB, REVIVE THE SAN JOAQUIN, and
LEAGUE OF WOMEN VOTERS OF FRESNO,

Plaintiffs and Appellants,

v.

COUNTY OF FRESNO,

Defendant and Respondent,

and,

FRIANT RANCH, L.P.,

Real Party in Interest and Respondent.

SUPREME COURT
FILED
APR 13 2015
Frank A. McGuire Clerk
Deputy

After a Published Decision by the Court of Appeal, filed May 27, 2014
Fifth Appellate District Case No. F066798

Appeal from the Superior Court of California, County of Fresno
Case No. 11CECG00726
Honorable Rosendo A. Pena, Jr.

APPLICATION OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT FOR LEAVE TO FILE BRIEF OF *AMICUS CURIAE* IN SUPPORT OF NEITHER PARTY AND *[PROPOSED]* BRIEF OF *AMICUS CURIAE*

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TO THE HONORABLE CHIEF JUSTICE AND JUSTICES OF THE SUPREME COURT:

APPLICATION FOR LEAVE TO FILE *AMICUS CURIAE* BRIEF

Pursuant to Rule 8.520(f) of the California Rules of Court, the South Coast Air Quality Management District (SCAQMD) respectfully requests leave to file the attached *amicus curiae* brief. Because SCAQMD's position differs from that of either party, we request leave to submit this amicus brief in support of neither party.

HOW THIS BRIEF WILL ASSIST THE COURT

SCAQMD's proposed amicus brief takes a position on two of the issues in this case. In both instances, its position differs from that of either party. The issues are:

1) Does the California Environmental Quality Act (CEQA) require an environmental impact report (EIR) to correlate a project's air pollution emissions with specific levels of health impacts?
2) What is the proper standard of review for determining whether an EIR provides sufficient information on the health impacts caused by a project's emission of air pollutants?

This brief will assist the Court by discussing the practical realities of correlating identified air quality impacts with specific health outcomes. In short, CEQA requires agencies to provide detailed information about a project's air quality impacts that is sufficient for the public and decisionmakers to adequately evaluate the project and meaningfully understand its impacts. However, the level of analysis is governed by a rule of reason; CEQA only requires agencies to conduct analysis if it is reasonably feasible to do so.

With regard to health-related air quality impacts, an analysis that correlates a project's air pollution emissions with specific levels of health impacts will be feasible in some cases but not others. Whether it is feasible depends on a variety of factors, including the nature of the project and the nature of the analysis under consideration. The feasibility of analysis may also change over time as air districts and others develop new tools for measuring projects' air quality related health impacts. Because SCAQMD has among the most sophisticated air quality modeling and health impact evaluation capability of any of the air districts in the State, it is uniquely situated to express an opinion on the extent to which the Court should hold that CEQA requires lead agencies to correlate air quality impacts with specific health outcomes.

SCAQMD can also offer a unique perspective on the question of the appropriate standard of review. SCAQMD submits that the proper standard of review for determining whether an EIR is sufficient as an informational document is more nuanced than argued by either party. In our view, this is a mixed question of fact and law. It includes determining whether additional analysis is feasible, which is primarily a factual question that should be reviewed under the substantial evidence standard. However, it also involves determining whether the omission of a particular analysis renders an EIR insufficient to serve CEQA's purpose as a meaningful, informational document. If a lead agency has not determined that a requested analysis is infeasible, it is the court's role to determine whether the EIR nevertheless meets CEQA's purposes, and courts should not defer to the lead agency's conclusions regarding the legal sufficiency of an EIR's analysis. The ultimate question of whether an EIR's analysis is "sufficient" to serve CEQA's informational purposes is predominately a question of law that courts should review de novo.

This brief will explain the rationale for these arguments and may assist the Court in reaching a conclusion that accords proper respect to a lead agency's factual conclusions while maintaining judicial authority over the ultimate question of what level of analysis CEQA requires.

STATEMENT OF INTEREST OF *AMICUS CURIAE*

The SCAQMD is the regional agency primarily responsible for air pollution control in the South Coast Air Basin, which consists of all of Orange County and the non-desert portions of the Los Angeles, Riverside, and San Bernardino Counties. (Health & Saf. Code § 40410; Cal. Code Regs., tit. 17, § 60104.) The SCAQMD participates in the CEQA process in several ways. Sometimes it acts as a lead agency that prepares CEQA documents for projects. Other times it acts as a responsible agency when it has permit authority over some part of a project that is undergoing CEQA review by a different lead agency. Finally, SCAQMD also acts as a commenting agency for CEQA documents that it receives because it is a public agency with jurisdiction by law over natural resources affected by the project.

In all of these capacities, SCAQMD will be affected by the decision in this case. SCAQMD sometimes submits comments requesting that a lead agency perform an additional type of air quality or health impacts analysis. On the other hand, SCAQMD sometimes determines that a particular type of health impact analysis is not feasible or would not produce reliable and informative results. Thus, SCAQMD will be affected by the Court's resolution of the extent to which CEQA requires EIRs to correlate emissions and health impacts, and its resolution of the proper standard of review.

CERTIFICATION REGARDING AUTHORSHIP AND FUNDING

No party or counsel in the pending case authored the proposed amicus curiae brief in whole or in part, or made any monetary contribution intended to fund the preparation or submission of the brief. No person or entity other than the proposed *Amicus Curiae* made any monetary contribution intended to fund the preparation or submission of the brief.

Respectfully submitted,

DATED: April 3, 2015

SOUTH COAST AIR QUALITY
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BRIEF OF AMICUS CURIAE

SUMMARY OF ARGUMENT

The South Coast Air Quality Management District (SCAQMD) submits that this Court should not try to establish a hard-and-fast rule concerning whether lead agencies are required to correlate emissions of air pollutants with specific health consequences in their environmental impact reports (EIR). The level of detail required in EIRs is governed by a few, core CEQA (California Environmental Quality Act) principles. As this Court has stated, "[a]n EIR must include detail sufficient to enable those who did not participate in its preparation to understand and to consider meaningfully the issues raised by the proposed project." (*Laurel Heights Improvement Assn. v. Regents of the Univ of Cal.* (1988) 47 Cal.3d 376, 405 ["*Laurel Heights I*"]) Accordingly, "an agency must use its best efforts to find out and disclose all that it reasonably can." (*Vineyard Area Citizens for Responsible Growth, Inc. v. City of Rancho Cordova* (2007) 40 Cal.4th 412, 428 (quoting CEQA Guidelines § 15144)[1].). However, "[a]nalysis of environmental effects need not be exhaustive, but will be judged in light of what is reasonably feasible." (*Association of Irritated Residents v. County of Madera* (2003) 107 Cal.App.4th 1383, 1390; CEQA Guidelines §§ 15151, 15204(a).)

With regard to analysis of air quality related health impacts, EIRs must generally quantify a project's pollutant emissions, but in some cases it is not feasible to correlate these emissions to specific, quantifiable health impacts (e.g., premature mortality; hospital admissions). In such cases, a general description of the adverse health impacts resulting from the pollutants at issue may be sufficient. In other cases, due to the magnitude

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[1] The CEQA Guidelines are found at Cal. Code Regs., tit. 14 §§ 15000, *et seq.*

or nature of the pollution emissions, as well as the specificity of the project involved, it may be feasible to quantify health impacts. Or there may be a less exacting, but still meaningful analysis of health impacts that can feasibly be performed. In these instances, agencies should disclose those impacts.

SCAQMD also submits that whether or not an EIR complies with CEQA's informational mandates by providing sufficient, feasible analysis is a mixed question of fact and law. Pertinent here, the question of whether an EIR's discussion of health impacts from air pollution is sufficient to allow the public to understand and consider meaningfully the issues involves two inquiries: (1) Is it feasible to provide the information or analysis that a commenter is requesting or a petitioner is arguing should be required?; and (2) Even if it is feasible, is the agency relying on other policy or legal considerations to justify not preparing the requested analysis? The first question of whether an analysis is feasible is primarily a question of fact that should be judged by the substantial evidence standard. The second inquiry involves evaluating CEQA's information disclosure purposes against the asserted reasons to not perform the requested analysis. For example, an agency might believe that its EIR meets CEQA's informational disclosure standards even without a particular analysis, and therefore choose not to conduct that analysis. SCAQMD submits that this is more of a legal question, which should be reviewed de novo as a question of law.

ARGUMENT

I. RELEVANT FACTUAL AND LEGAL FRAMEWORK.

A. Air Quality Regulatory Background

The South Coast Air Quality Management District (SCAQMD) is one of the local and regional air pollution control districts and air quality

management districts in California. The SCAQMD is the regional air pollution agency for the South Coast Air Basin, which consists of all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. (Health & Saf. Code § 40410, 17 Cal. Code Reg. § 60104.) The SCAQMD also includes the Coachella Valley in Riverside County (Palm Springs area to the Salton Sea). (SCAQMD, *Final 2012 AQMP (Feb. 2013)*, http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2012-air-quality-management-plan; then follow "chapter 7" hyperlink; pp 7-1, 7-3 (last visited Apr. 1, 2015).) The SCAQMD's jurisdiction includes over 16 million residents and has the worst or nearly the worst air pollution levels in the country for ozone and fine particulate matter. (SCAQMD, *Final 2012 AQMP (Feb. 2013)*, http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2012-air-quality-management-plan; then follow "Executive Summary" hyperlink p. ES-1 (last visited Apr. 1, 2015).)

Under California law, the local and regional districts are primarily responsible for controlling air pollution from all sources except motor vehicles. (Health & Saf. Code § 40000.) The California Air Resources Board (CARB), part of the California Environmental Protection Agency, is primarily responsible for controlling pollution from motor vehicles. (*Id.*) The air districts must adopt rules to achieve and maintain the state and federal ambient air quality standards within their jurisdictions. (Health & Saf. Code § 40001.)

The federal Clean Air Act (CAA) requires the United States Environmental Protection Agency (EPA) to identify pollutants that are widely distributed and pose a threat to human health, developing a so-called "criteria" document. (42 U.S.C. § 7408; CAA § 108.) These pollutants are frequently called "criteria pollutants." EPA must then establish "national ambient air quality standards" at levels "requisite to protect public health",

allowing "an adequate margin of safety." (42 U.S.C. § 7409; CAA § 109.) EPA has set standards for six identified pollutants: ozone, nitrogen dioxide, sulfur dioxide, carbon monoxide, particulate matter (PM), and lead. (U.S. EPA, National Ambient Air Quality Standards (NAAQS), http://www.epa.gov/air/criteria.html (last updated Oct. 21, 2014).)[2]

Under the Clean Air Act, EPA sets emission standards for motor vehicles and "nonroad engines" (mobile farm and construction equipment, marine vessels, locomotives, aircraft, etc.). (42 U.S.C. §§ 7521, 7547; CAA §§ 202, 213.) California is the only state allowed to establish emission standards for motor vehicles and most nonroad sources; however, it may only do so with EPA's approval. (42 U.S.C. §§ 7543(b), 7543(e); CAA §§ 209(b), 209(c).) Sources such as manufacturing facilities, power plants and refineries that are not mobile are often referred to as "stationary sources." The Clean Air Act charges state and local agencies with the primary responsibility to attain the national ambient air quality standards. (42 U.S.C. § 7401(a)(3); CAA § 101(a)(3).) Each state must adopt and implement a plan including enforceable measures to achieve and maintain the national ambient air quality standards. (42 U.S.C. § 7410; CAA § 110.) The SCAQMD and CARB jointly prepare portion of the plan for the South Coast Air Basin and submit it for approval by EPA. (Health & Saf. Code §§ 40460, et seq.)

The Clean Air Act also requires state and local agencies to adopt a permit program requiring, among other things, that new or modified "major" stationary sources use technology to achieve the "lowest achievable emission rate," and to control minor stationary sources as

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[2] Particulate matter (PM) is further divided into two categories: fine particulate or $PM_{2.5}$ (particles with a diameter of less than or equal to 2.5 microns) and coarse particulate (PM_{10}) (particles with a diameter of 10 microns or less). (U.S. EPA, Particulate Matter (PM), http://www.epa.gov/airquality/particlepollution/ (last visited Apr. 1, 2015).)

needed to help attain the standards. (42 U.S.C. §§ 7502(c)(5), 7503(a)(2), 7410(a)(2)(C); CAA §§ 172(c)(5), 173(a)(2), 110(a)(2)(C).) The air districts implement these permit programs in California. (Health & Saf. Code §§ 42300, et seq.)

The Clean Air Act also sets out a regulatory structure for over 100 so-called "hazardous air pollutants" calling for EPA to establish "maximum achievable control technology" (MACT) for sources of these pollutants. (42 U.S.C. § 7412(d)(2); CAA § 112(d)(2).) California refers to these pollutants as "toxic air contaminants" (TACs) which are subject to two state-required programs. The first program requires "air toxics control measures" for specific categories of sources. (Health & Saf. Code § 39666.) The other program requires larger stationary sources and sources identified by air districts to prepare "health risk assessments" for impacts of toxic air contaminants. (Health & Saf. Code §§ 44320(b), 44322, 44360.) If the health risk exceeds levels identified by the district as "significant," the facility must implement a "risk reduction plan" to bring its risk levels below "significant" levels. Air districts may adopt additional more stringent requirements than those required by state law, including requirements for toxic air contaminants. (Health & Saf. Code § 41508; *Western Oil & Gas Assn. v. Monterey Bay Unified APCD* (1989) 49 Cal.3d 408, 414.) For example, SCAQMD has adopted a rule requiring new or modified sources to keep their risks below specified levels and use best available control technology (BACT) for toxics. (SCAQMD, *Rule 1401-New Source Review of Toxic Air Contaminants*, http://www.aqmd.gov/home/regulations/rules/scaqmd-rule-book/regulation-xiv; then follow "Rule 1401" hyperlink (last visited Apr. 1, 2015).)

B. The SCAQMD's Role Under CEQA

The California Environmental Quality Act (CEQA) requires public agencies to perform an environmental review and appropriate analysis for projects that they implement or approve. (Pub. Resources Code § 21080(a).) The agency with primary approval authority for a particular project is generally the "lead agency" that prepares the appropriate CEQA document. (CEQA Guidelines §§ 15050, 15051.) Other agencies having a subsequent approval authority over all or part of a project are called "responsible" agencies that must determine whether the CEQA document is adequate for their use. (CEQA Guidelines §§ 15096(c), 15381.) Lead agencies must also consult with and circulate their environmental impact reports to "trustee agencies" and agencies "with jurisdiction by law" including "authority over resources which may be affected by the project." (Pub. Resources Code §§ 21104(a), 21153; CEQA Guidelines §§ 15086(a)(3), 15073(c).) The SCAQMD has a role in all these aspects of CEQA.

Fulfilling its responsibilities to implement its air quality plan and adopt rules to attain the national ambient air quality standards, SCAQMD adopts a dozen or more rules each year to require pollution reductions from a wide variety of sources. The SCAQMD staff evaluates each rule for any adverse environmental impact and prepares the appropriate CEQA document. Although most rules reduce air emissions, they may have secondary environmental impacts such as use of water or energy or disposal of waste—e.g., spent catalyst from control equipment.[3]

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[3] The SCAQMD's CEQA program for its rules is a "Certified Regulatory Program" under which it prepares a "functionally equivalent" document in lieu of a negative declaration or EIR. (Pub. Resources Code § 21080.5, CEQA Guidelines § 15251(l).)

The SCAQMD also approves a large number of permits every year to construct new, modified, or replacement facilities that emit regulated air pollutants. The majority of these air pollutant sources have already been included in an earlier CEQA evaluation for a larger project, are currently being evaluated by a local government as lead agency, or qualify for an exemption. However, the SCAQMD sometimes acts as lead agency for major projects where the local government does not have a discretionary approval. In such cases, SCAQMD prepares and certifies a negative declaration or environmental impact report (EIR) as appropriate.[4] SCAQMD evaluates perhaps a dozen such permit projects under CEQA each year. SCAQMD is often also a "responsible agency" for many projects since it must issue a permit for part of the projects (e.g., a boiler used to provide heat in a commercial building). For permit projects evaluated by another lead agency under CEQA, SCAQMD has the right to determine that the CEQA document is inadequate for its purposes as a responsible agency, but it may not do so because its permit program already requires all permitted sources to use the best available air pollution control technology. (SCAQMD, *Rule 1303(a)(1) – Requirements*, http://www.aqmd.gov/home/regulations/rules/scaqmd-rule-book/regulation-xiii; then follow "Rule 1303" hyperlink (last visited Apr. 1, 2015).)

Finally, SCAQMD receives as many as 60 or more CEQA documents each month (around 500 per year) in its role as commenting agency or an agency with "jurisdiction by law" over air quality—a natural resource affected by the project. (Pub. Resources Code §§ 21104(a), 21153; CEQA Guidelines § 15366(a)(3).) The SCAQMD staff provides comments on as many as 25 or 30 such documents each month.

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[4] The SCAQMD's permit projects are not included in its Certified Regulatory Program, and are evaluated under the traditional local government CEQA analysis. (Pub. Resources Code §§ 21150-21154.)

(SCAQMD Governing Board Agenda, Apr. 3, 2015, Agenda Item 16, Attachment A, http://www.aqmd.gov/home/library/meeting-agendas-minutes/agenda?title=governing-board-meeting-agenda-april-3-2015; then follow "16. Lead Agency Projects and Environmental Documents Received by SCAQMD" hyperlink (last visited Apr. 1, 2015).) Of course, SCAQMD focuses its commenting efforts on the more significant projects.

Typically, SCAQMD comments on the adequacy of air quality analysis, appropriateness of assumptions and methodology, and completeness of the recommended air quality mitigation measures. Staff may comment on the need to prepare a health risk assessment detailing the projected cancer and noncancer risks from toxic air contaminants resulting from the project, particularly the impacts of diesel particulate matter, which CARB has identified as a toxic air contaminant based on its carcinogenic effects. (California Air Resources Board, Resolution 98-35, Aug. 27, 1998, http://www.arb.ca.gov/regact/diesltac/diesltac.htm; then follow Resolution 98-35 hyperlink (last visited Apr. 1, 2015).) Because SCAQMD already requires new or modified stationary sources of toxic air contaminants to use the best available control technology for toxics and to keep their risks below specified levels, (SCAQMD Rule 1401, supra, note 15), the greatest opportunity to further mitigate toxic impacts through the CEQA process is by reducing emissions—particularly diesel emissions—from vehicles.

II. THIS COURT SHOULD NOT SET A HARD-AND-FAST RULE CONCERNING THE EXTENT TO WHICH AN EIR MUST CORRELATE A PROJECT'S EMISSION OF POLLUTANTS WITH RESULTING HEALTH IMPACTS.

Numerous cases hold that courts do not review the correctness of an EIR's conclusions but rather its sufficiency as an informative document. (*Laurel Heights 1, supra*, 47 Cal.3d at p. 392; *Citizens of Goleta Valley v.*

Bd. of Supervisors (1990) 52 Cal.3d 553, 569; *Bakersfield Citizens for Local Control v. City of Bakersfield* (2004) 124 Cal.App.4th 1184, 1197.)

As stated by the Court of Appeal in this case, where an EIR has addressed a topic, but the petitioner claims that the information provided about that topic is insufficient, courts must "draw[] a line that divides *sufficient* discussions from those that are *insufficient*." (*Sierra Club v. County of Fresno* (2014) 226 Cal.App.4th 704 (superseded by grant of review) 172 Cal.Rptr.3d 271, 290.) The Court of Appeal readily admitted that "[t]he terms themselves – sufficient and insufficient – provide little, if any, guidance as to where the line should be drawn. They are simply labels applied once the court has completed its analysis." (*Id.*)

The CEQA Guidelines, however, provide guidance regarding what constitutes a sufficient discussion of impacts. Section 15151 states that "the sufficiency of an EIR is to be reviewed in light of what is reasonably feasible." Case law reflects this: "Analysis of environmental effects need not be exhaustive, but will be judged in light of what was reasonably feasible." (*Association of Irritated Residents v. County of Madera, supra,* 107 Cal.App.4th at p. 1390; see also CEQA Guidelines § 15204(a).)

Applying this test, this Court cannot realistically establish a hard-and-fast rule that an analysis correlating air pollution impacts of a project to quantified resulting health impacts is always required, or indeed that it is never required. Simply put, in some cases such an analysis will be "feasible"; in some cases it will not.

For example, air pollution control districts often require a proposed new source of toxic air contaminants to prepare a "health risk assessment" before issuing a permit to construct. District rules often limit the allowable cancer risk the new source may cause to the "maximally exposed individual" (worker and residence exposures). (*See, e.g.*, SCAQMD Rule 1401(c)(8); 1401(d)(1), *supra* note 15.) In order to perform this analysis, it

is necessary to have data regarding the sources and types of air toxic contaminants, location of emission points, velocity of emissions, the meteorology and topography of the area, and the location of receptors (worker and residence). (SCAQMD, *Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act (AB2588), pp. 11-16*; (last visited Apr. 1, 2015) http://www.aqmd.gov/home/library/documents-support-material; "Guidelines" hyperlink; AB2588; then follow AB2588 Risk Assessment Guidelines hyperlink.)

Thus, it is feasible to determine the health risk posed by a new gas station locating at an intersection in a mixed use area, where receptor locations are known. On the other hand, it may not be feasible to perform a health risk assessment for airborne toxics that will be emitted by a generic industrial building that was built on "speculation" (i.e., without knowing the future tenant(s)). Even where a health risk assessment can be prepared, however, the resulting maximum health risk value is only a calculation of risk—it does not necessarily mean anyone will contract cancer as a result of the project.

In order to find the "cancer burden" or expected additional cases of cancer resulting from the project, it is also necessary to know the numbers and location of individuals living within the "zone of impact" of the project: i.e., those living in areas where the projected cancer risk from the project exceeds one in a million. (SCAQMD, Health Risk Assessment Summary form, http://www.aqmd.gov/home/forms ; filter by "AB2588" category; then "Health Risk Assessment" hyperlink (last visited Apr. 1, 2015).) The affected population is divided into bands of those exposed to at least 1 in a million risk, those exposed to at least 10 in a million risk, etc. up to those exposed at the highest levels. (*Id.*) This data allows agencies to calculate an approximate number of additional cancer cases expected from

the project. However, it is not possible to predict which particular individuals will be affected.

For the so-called criteria pollutants[5], such as ozone, it may be more difficult to quantify health impacts. Ozone is formed in the atmosphere from the chemical reaction of the nitrogen oxides (NO_x) and volatile organic compounds (VOC) in the presence of sunlight. (U.S. EPA, Ground Level Ozone, http://www.epa.gov/airquality/ozonepollution/ (last updated Mar. 25, 2015).) It takes time and the influence of meteorological conditions for these reactions to occur, so ozone may be formed at a distance downwind from the sources. (U.S. EPA, *Guideline on Ozone Monitoring Site Selection* (Aug. 1998) EPA-454/R-98-002 § 5.1.2, http://www.epa.gov/ttnamti1/archive/cpreldoc.html (last visited Apr. 1, 2015).) NO_x and VOC are known as "precursors" of ozone.

Scientifically, health effects from ozone are correlated with increases in the ambient level of ozone in the air a person breathes. (U.S. EPA, *Health Effects of Ozone in the General Population,* Figure 9, http://www.epa.gov/apti/ozonehealth/population.html#levels (last visited Apr. 1, 2015).) However, it takes a large amount of additional precursor emissions to cause a modeled increase in ambient ozone levels over an entire region. For example, the SCAQMD's 2012 AQMP showed that reducing NO_x by 432 tons per day (157,680 tons/year) and reducing VOC by 187 tons per day (68,255 tons/year) would reduce ozone levels at the SCAQMD's monitor site with the highest levels by only 9 parts per billion. (South Coast Air Quality Management District, *Final 2012 AQMP (February 2013)*, http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2012-air-quality-management-plan; then follow "Appendix V: Modeling & Attainment Demonstrations" hyperlink,

[5] See discussion of types of pollutants, supra, Part I.A.

pp. v-4-2, v-7-4, v-7-24.) SCAQMD staff does not currently know of a way to accurately quantify ozone-related health impacts caused by NO_x or VOC emissions from relatively small projects.

On the other hand, this type of analysis may be feasible for projects on a regional scale with very high emissions of NO_x and VOCs, where impacts are regional. For example, in 2011 the SCAQMD performed a health impact analysis in its CEQA document for proposed Rule 1315, which authorized various newly-permitted sources to use offsets from the districts "internal bank" of emission reductions. This CEQA analysis accounted for essentially *all* the increases in emissions due to new or modified sources in the District between 2010 and 2030.[6] The SCAQMD was able to correlate this very large emissions increase (e.g., 6,620 pounds per day NO_x (1,208 tons per year), 89,180 pounds per day VOC (16,275 tons per year)) to expected health outcomes from ozone and particulate matter (e.g., 20 premature deaths per year and 89,947 school absences in the year 2030 due to ozone).[7] (SCAQMD Governing Board Agenda, February 4, 2011, Agenda Item 26, *Assessment for: Re-adoption of Proposed Rule 1315 – Federal New Source Review Tracking System* (see hyperlink in fn 6*)* at p. 4.1-35, Table 4.1-29.)

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[6] (SCAQMD Governing Board Agenda, February 4, 2011, Agenda Item 26, Attachment G, *Assessment for: Re-adoption of Proposed Rule 1315 – Federal New Source Review Tracking System, Vol. 1, p.4.0-6,* http://www.aqmd.gov/home/library/meeting-agendas-minutes/agenda?title=governing-board-meeting-agenda-february-4-2011; the follow "26. Adopt Proposed Rule 1315 – Federal New Source Review Tracking System" (last visited April 1, 2015).)

[7] The SCAQMD was able to establish the location of future NO_x and VOC emissions by assuming that new projects would be built in the same locations and proportions as existing stationary sources. This CEQA document was upheld by the Los Angeles County Superior Court in *Natural Res. Def. Council v SCAQMD*, Los Angeles Superior Court No. BS110792).

However, a project emitting only 10 tons per year of NO_x or VOC is small enough that its regional impact on ambient ozone levels may not be detected in the regional air quality models that are currently used to determine ozone levels. Thus, in this case it would not be feasible to directly correlate project emissions of VOC or NO_x with specific health impacts from ozone. This is in part because ozone formation is not linearly related to emissions. Ozone impacts vary depending on the location of the emissions, the location of other precursor emissions, meteorology and seasonal impacts, and because ozone is formed some time later and downwind from the actual emission. (EPA Guideline on Ozone Monitoring Site Selection (Aug. 1998) EPA-454/R-98-002, § 5.1.2; https://www.epa.gov/ttnamti1/archive/cpreldoc.html; then search "Guideline on Ozone Monitoring Site Selection" click on pdf) (last viewed Apr. 1, 2015).)

SCAQMD has set its CEQA "significance" threshold for NO_x and VOC at 10 tons per year (expressed as 55 lb/day). (SCAQMD, *Air Quality Analysis Handbook*, http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook; then follow "SCAQMD Air Quality Significance Thresholds" hyperlink (last visited Apr. 1, 2015).) This is because the federal Clean Air Act defines a "major" stationary source for "extreme" ozone nonattainment areas such as SCAQMD as one emitting 10 tons/year. (42 U.S.C. §§ 7511a(e), 7511a(f); CAA §§ 182(e), 182(f).) Under the Clean Air Act, such sources are subject to enhanced control requirements (42 U.S.C. §§ 7502(c)(5), 7503; CAA §§ 172(c)(5), 173), so SCAQMD decided this was an appropriate threshold for making a CEQA "significance" finding and requiring feasible mitigation. Essentially, SCAQMD takes the position that a source that emits 10 tons/year of NO_x or VOC would contribute cumulatively to ozone formation. Therefore, lead agencies that use SCAQMD's thresholds of significance may determine

that many projects have "significant" air quality impacts and must apply all feasible mitigation measures, yet will not be able to precisely correlate the project to quantifiable health impacts, unless the emissions are sufficiently high to use a regional modeling program.

In the case of particulate matter ($PM_{2.5}$)[8], another "criteria" pollutant, SCAQMD staff is aware of two possible methods of analysis. SCAQMD used regional modeling to predict expected health impacts from its proposed Rule 1315, as mentioned above. Also, the California Air Resources Board (CARB) has developed a methodology that can predict expected mortality (premature deaths) from large amounts of $PM_{2.5}$. (California Air Resources Board, *Health Impacts Analysis: PM Premature Death Relationship*, http://www.arb.ca.gov/research/health/pm-mort/pm-mort_arch.htm (last reviewed Jan. 19, 2012).) SCAQMD used the CARB methodology to predict impacts from three very large power plants (e.g., 731-1837 lbs/day). (Final Environmental Assessment for Rule 1315, *supra*, pp 4.0-12, 4.1-13, 4.1-37 (e.g., 125 premature deaths in the entire SCAQMD in 2030), 4.1-39 (0.05 to 1.77 annual premature deaths from power plants.) Again, this project involved large amounts of additional $PM_{2.5}$ in the District, up to 2.82 tons/day (5,650 lbs/day of $PM_{2.5}$, or, or 1029 tons/year. (*Id.* at table 4.1-4, p. 4.1-10.)

However, the primary author of the CARB methodology has reported that this $PM_{2.5}$ health impact methodology is not suited for small projects and may yield unreliable results due to various uncertainties. [9] (SCAQMD, *Final Subsequent Mitigated Negative Declaration for: Warren*

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[8] SCAQMD has not attained the latest annual or 24-hour national ambient air quality standards for "$PM_{2.5}$" or particulate matter less than 2.5 microns in diameter.

[9] Among these uncertainties are the representativeness of the population used in the methodology, and the specific source of PM and the corresponding health impacts. (*Id.* at p. 2-24.)

E&P, Inc. WTU Central Facility, New Equipment Project (certified July 19, 2011), http://www.aqmd.gov/home/library/documents-support-material/lead-agency-permit-projects/permit-project-documents---year-2011; then follow "Final Subsequent Mitigated Negative Declaration for Warren E&P Inc. WTU Central Facility, New Equipment Project" hyperlink, pp. 2-22, 2-23 (last visited Apr. 1, 2015).) Therefore, when SCAQMD prepared a CEQA document for the expansion of an existing oil production facility, with very small $PM_{2.5}$ increases (3.8 lb/day) and a very small affected population, staff elected not to use the CARB methodology for using estimated $PM_{2.5}$ emissions to derive a projected premature mortality number and explained why it would be inappropriate to do so. (*Id.* at pp 2-22 to 2-24.) SCAQMD staff concluded that use of this methodology for such a small source could result in unreliable findings and would not provide meaningful information. (*Id.* at pp. 2-23, 2-25.) This CEQA document was not challenged in court.

In the above case, while it may have been technically possible to plug the data into the methodology, the results would not have been reliable or meaningful. SCAQMD believes that an agency should not be required to perform analyses that do not produce reliable or meaningful results. This Court has already held that an agency may decline to use even the "normal" "existing conditions" CEQA baseline where to do so would be misleading or without informational value. (*Neighbors for Smart Rail v. Exposition Metro Line* (2013) 57 Cal.4th 439, 448, 457.) The same should be true for a decision that a particular study or analysis would not provide reliable or meaningful results.[10]

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[10] Whether a particular study would result in "informational value" is a part of deciding whether it is "feasible." CEQA defines "feasible" as "capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, social, and

Therefore, it is not possible to set a hard-and-fast rule on whether a correlation of air quality impacts with specific quantifiable health impacts is required in all cases. Instead, the result turns on whether such an analysis is reasonably feasible in the particular case.[11] Moreover, what is reasonably feasible may change over time as scientists and regulatory agencies continually seek to improve their ability to predict health impacts. For example, CARB staff has been directed by its Governing Board to reassess and improve the methodology for estimating premature deaths. (California Air Resources Board, *Health Impacts Analysis: PM Mortality Relationship*, http://www.arb.ca.gov/research/health/pm-mort/pm-mort.htm (last reviewed Dec. 29, 2010).) This factor also counsels against setting any hard-and-fast rule in this case.

III. THE QUESTION OF WHETHER AN EIR CONTAINS SUFFICIENT ANALYSIS TO MEET CEQA'S REQUIREMENTS IS A MIXED QUESTION OF FACT AND LAW GOVERNED BY TWO DIFFERENT STANDARDS OF REVIEW.

A. Standard of Review for Feasibility Determination and Sufficiency as an Informative Document

A second issue in this case is whether courts should review an EIR's informational sufficiency under the "substantial evidence" test as argued by Friant Ranch or the "independent judgment" test as argued by Sierra Club.

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technological factors." (Pub. Resources Code § 21061.1.) A study cannot be "accomplished in a *successful* manner" if it produces unreliable or misleading results.

[11] In this case, the lead agency did not have an opportunity to determine whether the requested analysis was feasible because the comment was non-specific. Therefore, SCAQMD suggests that this Court, after resolving the legal issues in the case, direct the Court of Appeal to remand the case to the lead agency for a determination of whether the requested analysis is feasible. Because Fresno County, the lead agency, did not seek review in this Court, it seems likely that the County has concluded that at least some level of correlation of air pollution with health impacts is feasible.

As this Court has explained, "a reviewing court must adjust its scrutiny to the nature of the alleged defect, depending on whether the claim is predominantly one of improper procedure or a dispute over the facts." (*Vineyard Area Citizens v. City of Rancho Cordova, supra,* 40 Cal.4th at 435.) For questions regarding compliance with proper procedure or other legal questions, courts review an agency's action de novo under the "independent judgment" test. (*Id.*) On the other hand, courts review factual disputes only for substantial evidence, thereby "accord[ing] greater deference to the agency's substantive factual conclusions." (*Id.*)

Here, Friant Ranch and Sierra Club agree that the case involves the question of whether an EIR includes sufficient information regarding a project's impacts. However, they disagree on the proper standard of review for answering this question: Sierra Club contends that courts use the independent judgment standard to determine whether an EIR's analysis is sufficient to meet CEQA's informational purposes,[12] while Friant Ranch contends that the substantial evidence standard applies to this question.

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[12] Sierra Club acknowledges that courts use the substantial evidence standard when reviewing predicate factual issues, but argues that courts ultimately decide as a matter of law what CEQA requires. (Answering Brief, pp. 14, 23.)

SCAQMD submits that the issue is more nuanced than either party contends. We submit that, whether a CEQA document includes sufficient analysis to satisfy CEQA's informational mandates is a mixed question of fact and law,[13] containing two levels of inquiry that should be judged by different standards.[14]

The state CEQA Guidelines set forth standards for the adequacy of environmental analysis. Guidelines Section 15151 states:

> An EIR should be prepared with a sufficient degree of analysis to provide decision makers with information which enables them to make a decision which intelligently takes account of environmental consequences. An evaluation of the environmental effects of a proposed project need not be exhaustive, but the sufficiency of an EIR is to be reviewed in light of what is reasonably feasible. Disagreement among experts does not make an EIR inadequate, but the EIR should summarize the main points of disagreement among the experts. The courts have looked not for perfection, but for adequacy, completeness, and a good-faith effort at full disclosure.

In this case, the basic question is whether the underlying analysis of air quality impacts made the EIR "sufficient" as an informative document. However, whether the EIR's analysis was sufficient is judged in light of what was reasonably feasible. This represents a mixed question of fact and law that is governed by two different standards of review.

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[13] Friant Ranch actually states that the claim that an EIR lacks sufficient relevant information is, "most properly thought of as raising mixed questions of fact and law." (Opening Brief, p. 27.) However, the remainder of its argument claims that the court should apply the substantial evidence standard of review to all aspects of the issue.

[14] Mixed questions of fact and law issues may implicate predominantly factual subordinate questions that are reviewed under the substantial evidence test even though the ultimate question may be reviewed by the independent judgment test. *Crocker National Bank v. City and County of San Francisco* (1989) 49 Cal.3d 881, 888-889.

SCAQMD submits that an EIR's sufficiency as an informational document is ultimately a legal question that courts should determine using their independent judgment. This Court's language in *Laurel Heights I* supports this position. As this Court explained: "The court does not pass upon the correctness of the EIR's environmental conclusions, but only upon its *sufficiency as an informative document.*" (*Laurel Heights I, supra,* 47 Cal.3d at 392-393) (emphasis added.) As described above, the Court in *Vineyard Area Citizens v. City of Rancho Cordova, supra,* 40 Cal.4th at 431, also used its independent judgment to determine what level of analysis CEQA requires for water supply impacts. The Court did not defer to the lead agency's opinion regarding the law's requirements; rather, it determined for itself what level of analysis was necessary to meet "[t]he law's informational demands." (*Id.* at p. 432.) Further, existing case law also holds that where an agency fails to comply with CEQA's information disclosure requirements, the agency has "failed to proceed in the manner required by law." (*Save Our Peninsula Comm. v. Monterey County Bd. of Supervisors* (2001) 87 Cal.App.4th 99, 118.)

However, whether an EIR satisfies CEQA's requirements depends in part on whether it was reasonably feasible for an agency to conduct additional or more thorough analysis. EIRs must contain "a detailed statement" of a project's impacts (Pub. Res. Code § 21061), and an agency must "use its best efforts to find out and disclose all that it reasonably can." (CEQA Guidelines § 15144.) Nevertheless, "the sufficiency of an EIR is to be reviewed in light of what is reasonably feasible." (CEQA Guidelines § 15151.)

SCAQMD submits that the question of whether additional analysis or a particular study suggested by a commenter is "feasible" is generally a question of fact. Courts have already held that whether a particular alternative is "feasible" is reviewed by the substantial evidence test.

(*Uphold Our Heritage v. Town of Woodside* (2007) 147 Cal.App.4th 587, 598-99; *Center for Biological Diversity v. County of San Bernardino* (2010) 185 Cal.App.4th 866, 883.) Thus, if a lead agency determines that a particular study or analysis is infeasible, that decision should generally be judged by the substantial evidence standard. However, SCAQMD urges this Court to hold that lead agencies must explain the basis of any determination that a particular analysis is infeasible in the EIR itself. An EIR must discuss information, including issues related to the feasibility of particular analyses "in sufficient detail to enable meaningful participation and criticism by the public. '[W]hatever is required to be considered in an EIR must be in that formal report; what any official might have known from other writings or oral presentations cannot supply what is lacking in the report.'" (*Laurel Heights I, supra*, 47 Cal.3d at p. 405 (quoting *Santiago County Water District v. County of Orange* (1981) 118 Cal.App.3d 818, 831) (discussing analysis of alternatives).) The evidence on which the determination is based should also be summarized in the EIR itself, with appropriate citations to reference materials if necessary. Otherwise commenting agencies such as SCAQMD would be forced to guess where the lead agency's evidence might be located, thus thwarting effective public participation.

Moreover, if a lead agency determines that a particular study or analysis would not result in reliable or useful information and for that reason is not feasible, that determination should be judged by the substantial evidence test. (See *Neighbors for Smart Rail v. Exposition Metro Line Construction Authority, supra*, 57 Cal.4th 439, 448, 457:

whether "existing conditions" baseline would be misleading or uninformative judged by substantial evidence standard.[15])

If the lead agency's determination that a particular analysis or study is not feasible is supported by substantial evidence, then the agency has not violated CEQA's information disclosure provisions, since it would be infeasible to provide additional information. This Court's decisions provide precedent for such a result. For example, this Court determined that the issue of whether the EIR should have included a more detailed discussion of future herbicide use was resolved because substantial evidence supported the agency's finding that "the precise parameters of future herbicide use could not be predicted." *Ebbetts Pass Forest Watch v. California Dept. of Forestry & Fire Protection* (2008) 43 Cal.4th 936, 955.

Of course, SCAQMD expects that courts will continue to hold lead agencies to their obligations to consult with, and not to ignore or misrepresent, the views of sister agencies having special expertise in the area of air quality. (*Berkeley Keep Jets Over the Bay v. Board of Port Commissioners* (2007) 91 Cal.App.4th 1344, 1364 n.11.) In some cases, information provided by such expert agencies may establish that the purported evidence relied on by the lead agency is not in fact "substantial". (*Id.* at pp. 1369-1371.)

In sum, courts retain ultimate responsibility to determine what CEQA requires. However, the law does not require exhaustive analysis, but only what is reasonably feasible. Agencies deserve deference for their factual determinations regarding what type of analysis is reasonably feasible. On the other hand, if a commenter requests more information, and the lead agency declines to provide it but does *not* determine that the

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[15] The substantial evidence standard recognizes that the courts "have neither the resources nor the scientific expertise" to weigh conflicting evidence on technical issues. (*Laurel Heights I, supra,* 47 Cal.3d 376, 393.)

requested study or analysis would be infeasible, misleading or uninformative, the question becomes whether the omission of that analysis renders the EIR inadequate to satisfy CEQA's informational purposes. (*Id.* at pp. 1370-71.) Again, this is predominantly a question of law and should be judged by the de novo or independent judgment standard of review. Of course, this Court has recognized that a "project opponent or reviewing court can always imagine some additional study or analysis that might provide helpful information. It is not for them to design the EIR. That further study...might be helpful does not make it necessary." (*Laurel Heights I, supra,* 47 Cal.3d 376, 415 – see also CEQA Guidelines § 15204(a) [CEQA "does not require a lead agency to conduct every test. . . recommended or demanded by commenters."].) Courts, then, must adjudicate whether an omission of particular information renders an EIR inadequate to serve CEQA's informational purposes.[16]

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[16] We recognize that there is case law stating that the substantial evidence standard applies to "challenges to the scope of an EIR's analysis of a topic" as well as the methodology used and the accuracy of the data relied on in the document "because these types of challenges involve factual questions." (*Bakersfield Citizens for Local Control v. City of Bakersfield, supra,* 124 Cal.App.4th 1184, 1198, and cases relied on therein.) However, we interpret this language to refer to situations where the question of the scope of the analysis really is factual—that is, where it involves whether further analysis is feasible, as discussed above. This interpretation is supported by the fact that the *Bakersfield* court expressly rejected an argument that a claimed "omission of information from the EIR should be treated as inquiries whether there is substantial evidence supporting the decision approving the project. " *Bakersfield, supra,* 124 Cal.App.4th at p. 1208. And the *Bakersfield* court ultimately decided that the lead agency must analyze the connection between the identified air pollution impacts and resulting health impacts, even though the EIR already included some discussion of air-pollution-related respiratory illnesses. *Bakersfield, supra,* 124 Cal.App.4th at p. 1220. Therefore, the court must not have interpreted this question as one of the "scope of the analysis" to be judged by the substantial evidence standard.

B. Friant Ranch's Rationale for Rejecting the Independent Judgment Standard of Review is Unsupported by Case Law.

In its brief, Friant Ranch makes a distinction between cases where a required CEQA topic is not discussed at all (to be reviewed by independent judgment as a failure to proceed in the manner required by law) and cases where a topic is discussed, but the commenter claims the information provided is insufficient (to be judged by the substantial evidence test). (Opening Brief, pp. 13-17.) The Court of Appeal recognized these two types of cases, but concluded that both raised questions of law. (*Sierra Club v. County of Fresno* (2014) 226 Cal.App.4th 704 (superseded by grant of review) 172 Cal.Rptr.3d 271, 290.) We believe the distinction drawn by Friant Ranch is unduly narrow, and inconsistent with cases which have concluded that CEQA documents are insufficient. In many instances, CEQA's requirements are stated broadly, and the courts must interpret the law to determine what level of analysis satisfies CEQA's mandate for providing meaningful information, even though the EIR discusses the issue to some extent.

For example, the CEQA Guidelines require discussion of the existing environmental baseline. In *County of Amador v. El Dorado County Water Agency* (1999) 76 Cal.App.4th 931, 954-955, the lead agency had discussed the environmental baseline by describing historic month-end water levels in the affected lakes. However, the court held that this was not an adequate baseline discussion because it failed to discuss the timing and amounts of past actual water releases, to allow comparison with the proposed project. The court evidently applied the independent judgment test to its decision, even though the agency discussed the issue to some extent.

Likewise, in *Vineyard Area Citizens* (2007) 40 Cal.4th 412, this Court addressed the question of whether an EIR's analysis of water supply impacts complied with CEQA. The parties agreed that the EIR was required to analyze the effects of providing water to the development project, "and that in order to do so the EIR had, in some manner, to identify the planned sources of that water." (*Vineyard Area Citizens, supra,* at p. 428.) However, the parties disagreed as to the level of detail required for this analysis and "what level of uncertainty regarding the availability of water supplies can be tolerated in an EIR . . . ." (*Id.*) In other words, the EIR had analyzed water supply impacts for the project, but the petitioner claimed that the analysis was insufficient.

This Court noted that neither CEQA's statutory language or the CEQA Guidelines specifically addressed the question of how precisely an EIR must discuss water supply impacts. (*Id.*) However, it explained that CEQA "states that '[w]hile foreseeing the unforeseeable is not possible, an agency must use its best efforts to find out and disclose all that it reasonably can.'" (*Id.*, [Guidelines § 15144].) The Court used this general principle, along with prior precedent, to elucidate four "principles for analytical adequacy" that are necessary in order to satisfy "CEQA's informational purposes." (*Vineyard Area Citizens, supra,* at p. 430.) The Court did not defer to the agency's determination that the EIR's analysis of water supply impacts was sufficient. Rather, this Court used its independent judgment to determine for itself the level of analysis required to satisfy CEQA's fundamental purposes. (*Vineyard Area Citizens, supra*, at p. 441: an EIR does not serve its purposes where it neglects to explain likely sources of water and "... leaves long term water supply considerations to later stages of the project.")

Similarly, the CEQA Guidelines require an analysis of noise impacts of the project. (Appendix G, "Environmental Checklist Form."[17]) In *Gray v. County of Madera* (2008) 167 Cal.App.4th 1099, 1123, the court held that the lead agency's noise impact analysis was inadequate even though it had addressed the issue and concluded that the increase would not be noticeable. If the court had been using the substantial evidence standard, it likely would have upheld this discussion.

Therefore, we do not agree that the issue can be resolved on the basis suggested by Friant Ranch, which would apply the substantial evidence standard to *every* challenge to an analysis that addresses a required CEQA topic. This interpretation would subvert the courts' proper role in interpreting CEQA and determining what the law requires.

Nor do we agree that the Court of Appeal in this case violated CEQA's prohibition on courts interpreting its provisions "in a manner which imposes procedural or substantive requirements beyond those explicitly stated in this division or in the state guidelines." (Pub. Resources Code § 21083.1.) CEQA requires an EIR to describe *all* significant impacts of the project on the environment. (Pub. Resources Code § 21100(b)(2); *Vineyard Area Citizens, supra,* at p. 428.) Human beings are part of the environment, so CEQA requires EIRs to discuss a project's significant impacts on human health. However, except in certain particular circumstances,[18] neither the CEQA statute nor Guidelines specify the precise level of analysis that agencies must undertake to satisfy the law's requirements. (see, e.g., CEQA Guidelines § 15126.2(a) [EIRs must describe "health and safety problems caused by {a project's} physical changes"].) Accordingly, courts must interpret CEQA as a whole to

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[17] Association of Environmental Professionals, 2015 CEQA Statute and Guidelines (2015) p.287.

[18] E.g., Pub. Resources Code § 21151.8(C)(3)(B)(iii) (requiring specific type of health risk analysis for siting schools).

determine whether a particular EIR is sufficient as an informational document. A court determining whether an EIR's discussion of human health impacts is legally sufficient does not constitute imposing a new substantive requirement.[19] Under Friant Ranch's theory, the above-referenced cases holding a CEQA analysis inadequate would have violated the law. This is not a reasonable interpretation.

IV. COURTS MUST SCRUPULOUSLY ENFORCE THE REQUIREMENTS THAT LEAD AGENCIES CONSULT WITH AND OBTAIN COMMENTS FROM AIR DISTRICTS

Courts must "scrupulously enforce" CEQA's legislatively mandated requirements. (*Vineyard Area Citizens, supra*, 40 Cal.4th 412, 435.) Case law has firmly established that lead agencies must consult with the relevant air pollution control district before conducting an initial study, and must provide the districts with notice of the intention to adopt a negative declaration (or EIR). (*Schenck v. County of Sonoma* (2011) 198 Cal.App.4th 949, 958.) As *Schenck* held, neither publishing the notice nor providing it to the State Clearinghouse was a sufficient substitute for sending notice directly to the air district. (*Id.*) Rather, courts "must be satisfied that [administrative] agencies have fully complied with the procedural requirements of CEQA, since only in this way can the important public purposes of CEQA be protected from subversion." *Schenck,* 198 Cal.App.4th at p. 959 (citations omitted).[20]

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[19] We submit that Public Resources Code Section 21083.1 was intended to prevent courts from, for example, holding that an agency must analyze economic impacts of a project where there are no resulting environmental impacts (see CEQA Guidelines § 15131) , or imposing new procedural requirements, such as imposing additional public notice requirements not set forth in CEQA or the Guidelines.

[20] Lead agencies must consult air districts, as public agencies with jurisdiction by law over resources affected by the project, *before* releasing an EIR. (Pub. Resources Code §§ 21104(a); 21153.) Moreover, air

Lead agencies should be aware, therefore, that failure to properly seek and consider input from the relevant air district constitutes legal error which may jeopardize their project approvals. For example, the court in *Fall River Wild Trout Foundation v. County of Shasta,* (1999) 70 Cal.App.4th 482, 492 held that the failure to give notice to a trustee agency (Department of Fish and Game) was prejudicial error requiring reversal. The court explained that the lack of notice prevented the Department from providing any response to the CEQA document. (*Id.* at p. 492.) It therefore prevented relevant information from being presented to the lead agency, which was prejudicial error because it precluded informed decision-making. (*Id.*)[21]

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districts should be considered "state agencies" for purposes of the requirement to consult with "trustee agencies" as set forth in Public Resources Code § 20180.3(a). This Court has long ago held that the districts are not mere "local agencies" whose regulations are superseded by those of a state agency regarding matters of statewide concern, but rather have concurrent jurisdiction over such issues. (*Orange County Air Pollution Control District v. Public Util. Com.* (1971) 4 Cal.3d 945, 951, 954.) Since air pollution is a matter of statewide concern, *Id* at 952, air districts should be entitled to trustee agency status in order to ensure that this vital concern is adequately protected during the CEQA process.

[21] In *Schenck,* the court concluded that failure to give notice to the air district was not prejudicial, but this was partly because the trial court had already corrected the error before the case arrived at the Court of Appeal. The trial court issued a writ of mandate requiring the lead agency to give notice to the air district. The air district responded by concurring with the lead agency that air impacts were not significant. (*Schenck,* 198 Cal.App.4th 949, 960.) We disagree with the *Schenck* court that the failure to give notice to the air district would not have been prejudicial (even in the absence of the trial court writ) merely because the lead agency purported to follow the air district's published CEQA guidelines for significance. (*Id.*, 198 Cal.App.4th at p. 960.) In the first place, absent notice to the air district, it is uncertain whether the lead agency properly followed those guidelines. Moreover, it is not realistic to expect that an air district's published guidelines would necessarily fully address all possible air-quality related issues that can arise with a CEQA project, or that those

Similarly, lead agencies must obtain additional information requested by expert agencies, including those with jurisdiction by law, if that information is necessary to determine a project's impacts. (*Sierra Club v. State Bd. Of Forestry* (1994) 7 Cal.4th 1215, 1236-37.) Approving a project without obtaining that information constitutes a failure to proceed in the manner prescribed by CEQA. (*Id.* at p. 1236.)

Moreover, a lead agency can save significant time and money by consulting with the air district early in the process. For example, the lead agency can learn what the air district recommends as an appropriate analysis on the facts of its case, including what kinds of health impacts analysis may be available, and what models are appropriate for use. This saves the lead agency from the need to do its analysis all over again and possibly needing to recirculate the document after errors are corrected, if new significant impacts are identified. (CEQA Guidelines § 15088.5(a).) At the same time, the air district's expert input can help the lead agency properly determine whether another commenter's request for additional analysis or studies is reasonable or feasible. Finally, the air district can provide input on what mitigation measures would be feasible and effective.

Therefore, we suggest that this Court provide guidance to lead agencies reminding them of the importance of consulting with the relevant air districts regarding these issues. Otherwise, their feasibility decisions may be vulnerable to air district evidence that establishes that there is no substantial evidence to support the lead agency decision not to provide specific analysis. (*See Berkeley Keep Jets Over the Bay, supra,* 91 Cal.App.4th 1344, 1369-1371.)

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guidelines would necessarily be continually modified to reflect new developments. Therefore we believe that, had the trial court not already ordered the lead agency to obtain the air district's views, the failure to give notice would have been prejudicial, as in *Fall River, supra,* 70 Cal.App.4th 482, 492.

CONCLUSION

The SCAQMD respectfully requests this Court *not* to establish a hard-and-fast rule concerning whether CEQA requires a lead agency to correlate identified air quality impacts of a project with resulting health outcomes. Moreover, the question of whether an EIR is "sufficient as an informational document" is a mixed question of fact and law containing two levels of inquiry. Whether a particular proposed analysis is feasible is predominantly a question of fact to be judged by the substantial evidence standard of review. Where the requested analysis is feasible, but the lead agency relies on legal or policy reasons not to provide it, the question of whether the EIR is nevertheless sufficient as an informational document is predominantly a question of law to be judged by the independent judgment standard of review.

Respectfully submitted,

DATED: April 3, 2015

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CERTIFICATE OF WORD COUNT

Pursuant to Rule 8.520(c)(1) of the California Rules of Court, I hereby certify that this brief contains 8,476 words, including footnotes, but excluding the Application, Table of Contents, Table of Authorities, Certificate of Service, this Certificate of Word Count, and signature blocks. I have relied on the word count of the Microsoft Word Vista program used to prepare this Certificate.

DATED: April 3, 2015 Respectfully submitted,

Barbara Baird

Barbara Baird

PROOF OF SERVICE

I am employed in the County of Los Angeles, California. I am over the age of 18 years and not a party to the within action. My business address is 21865 Copley Drive, Diamond Bar, California 91765.

On April 3, 2015 I served true copies of the following document(s) described as **APPLICATION OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT FOR LEAVE TO FILE BRIEF OF *AMICUS CURIAE* IN SUPPORT OF NEITHER PARTY AND *[PROPOSED]* BRIEF OF *AMICUS CURIAE*** by placing a true copy of the foregoing document(s) in a sealed envelope addressed as set forth on the attached service list as follows:

BY MAIL: I enclosed the document(s) in a sealed envelope or package addressed to the persons at the addresses listed in the Service List and placed the envelope for collection and mailing following our ordinary business practices. I am readily familiar with this District's practice for collection and processing of correspondence for mailing. Under that practice, the correspondence would be deposited with the United States Postal Service, with postage thereon fully prepaid at Diamond Bar, California, in the ordinary course of business. I am aware that on motion of the party served, service is presumed invalid if postal cancellation date or postage meter date is more than one day after date of deposit for mailing in affidavit.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed on April 3, 2015 at Diamond Bar, California.

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SUPREME COURT COPY

CASE NO. S219783

IN THE SUPREME COURT OF CALIFORNIA

SIERRA CLUB, REVIVE THE SAN JOAQUIN, and
LEAGUE OF WOMEN VOTERS OF FRESNO,
Plaintiffs and Appellants

v.

COUNTY OF FRESNO,
Defendant and Respondent

FRIANT RANCH, L.P.,
Real Party in Interest and Respondent

SUPREME COURT
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After a Decision by the Court of Appeal, filed May 27, 2014
Fifth Appellate District Case No. F066798

Appeal from the Superior Court of California, County of Fresno
Case No. 11CECG00726

APPLICATION FOR LEAVE TO FILE AMICUS CURIAE BRIEF OF SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT IN SUPPORT OF DEFENDANT AND RESPONDENT, COUNTY OF FRESNO AND REAL PARTY IN INTEREST AND RESPONDENT, FRIANT RANCH, L.P.

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APPLICATION

Pursuant to California Rules of Court 8.520(f)(1), proposed Amicus Curiae San Joaquin Valley Unified Air Pollution Control District hereby requests permission from the Chief Justice to file an amicus brief in support of Defendant and Respondent, County of Fresno, and Defendant and Real Parties in Interest Friant Ranch, L.P. Pursuant to Rule 8.520(f)(5) of the California Rules of Court, the proposed amicus curiae brief is combined with this Application. The brief addresses the following issue certified by this Court for review:

> Is an EIR adequate when it identifies the health impacts of air pollution and quantifies a project's expected emissions, or does CEQA further require the EIR to *correlate* a project's air quality emissions to specific health impacts?

As of the date of this filing, the deadline for the final reply brief on the merits was March 5, 2015. Accordingly, under Rule 8.520(f)(2), this application and brief are timely.

1. Background and Interest of San Joaquin Valley Unified Air Pollution Control District

The San Joaquin Valley Unified Air Pollution Control District ("Air District") regulates air quality in the eight counties comprising the San Joaquin Valley ("Central Valley"): Kern, Tulare, Madera, Fresno, Merced, San Joaquin, Stanislaus, and Kings, and is primarily responsible for attaining air quality standards within its jurisdiction. After billions of dollars of investment by Central Valley businesses, pioneering air quality regulations, and consistent efforts by residents, the Central Valley air basin has made historic improvements in air quality.

The Central Valley's geographical, topographical and meteorological features create exceptionally challenging air quality

conditions. For example, it receives air pollution transported from the San Francisco Bay Area and northern Central Valley communities, and the southern portion of the Central Valley includes three mountain ranges (Sierra, Tehachapi, and Coastal) that, under some meteorological conditions, effectively trap air pollution. Central Valley air pollution is only a fraction of what the Bay Area and Los Angeles produce, but these natural conditions result in air quality conditions that are only marginally better than Los Angeles, even though about ten times more pollution is emitted in the Los Angeles region. Bay Area air quality is much better than the Central Valley's, even though the Bay Area produces about six times more pollution. The Central Valley also receives air pollution transported from the Bay Area and northern counties in the Central Valley, including Sacramento, and transboundary anthropogenic ozone from as far away as China.

Notwithstanding these challenges, the Central Valley has reduced emissions at the same or better rate than other areas in California and has achieved unparalleled milestones in protecting public health and the environment:

- In the last decade, the Central Valley became the first air basin classified by the federal government under the Clean Air Act as a "serious nonattainment" area to come into attainment of health-based National Ambient Air Quality Standard ("NAAQS") for coarse particulate matter (PM10), an achievement made even more notable given the Valley's extensive agricultural sector. Unhealthy levels of particulate matter can cause and exacerbate a range of chronic and acute illnesses.
- In 2013, the Central Valley became the first air basin in the country to improve from a federal designation of "extreme" nonattainment to

actually attain (and quality for an attainment designation) of the 1-hour ozone NAAQS; ozone creates "smog" and, like PM10, causes adverse health impacts.

- The Central Valley also is in full attainment of federal standards for lead, nitrogen dioxide, sulfur dioxide, and carbon monoxide.
- The Central Valley continues to make progress toward compliance with its last two attainment standards, with the number of exceedences for the 8-hour ozone NAAQS reduced by 74% (for the 1997 standard) and 38% (for the 2008 standard) since 1991, and for the small particulate matter (PM2.5) NAAQS reduced by 85% (for the 1997 standard) and 61% (for the 2006 standard).

Sustained improvement in Central Valley air quality requires a rigorous and comprehensive regulatory framework that includes prohibitions (e.g., on wood-burning fireplaces in new residences), mandates (e.g., requiring the installation of best available pollution reduction technologies on new and modified equipment and industrial operations), innovations (e.g., fees assessed against residential development to fund pollution reduction actions to "offset" vehicular emissions associated with new residences), incentive programs (e.g., funding replacements of older, more polluting heavy duty trucks and school buses)[1], ongoing planning for continued air quality improvements, and enforcement of Air District permits and regulations.

The Air District is also an expert air quality agency for the eight counties and cities in the San Joaquin Valley. In that capacity, the Air District has developed air quality emission guidelines for use by the Central

[1] San Joaquin's incentive program has been so successful that through 2012, it has awarded over $ 432 million in incentive funds and has achieved 93,349 tons of lifetime emissions reductions. *See* SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 2012 PM2.5 PLAN, 6-6 (2012) *available at* http://www.valleyair.org/Workshops/postings/2012/12-20-12PM25/FinalVersion/06%20Chapter%206%20Incentives.pdf.

Valley counties and cities that implement the California Environment Quality Act (CEQA).[2] In its guidance, the Air District has distinguished between toxic air contaminants and criteria air pollutants.[3] Recognizing this distinction, the Air District's CEQA Guidance has adopted distinct thresholds of significance for *criteria* pollutants (i.e., ozone, PM2.5 and their respective precursor pollutants) based upon scientific and factual data which demonstrates the level that can be accommodated on a cumulative basis in the San Joaquin Valley without affecting the attainment of the applicable NAAQS.[4] For *toxic air* pollutants, the District has adopted different thresholds of significance which scientific and factual data demonstrates has the potential to expose sensitive receptors (i.e., children, the elderly) to levels which may result in localized health impacts.[5]

The Air District's CEQA Guidance was followed by the County of Fresno in its environment review of the Friant Ranch project, for which the Air District also served as a commenting agency. The Court of Appeal's holding, however, requiring correlation between the project's criteria

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[2] *See, e.g.*, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, PLANNING DIVISION, GUIDE FOR ASSESSING AND MITIGATING AIR QUALITY IMPACTS (2015), *available at* http://www.valleyair.org/transportation/GAMAQI_3-19-15.pdf ("CEQA Guidance").

[3] Toxic air contaminants, also known as hazardous air pollutants, are those pollutants that are known or suspected to cause cancer or other serious health effects, such as birth defects. There are currently 189 toxic air contaminants regulated by the United States Environmental Protection Agency ("EPA") and the states pursuant to the Clean Air Act. 42 U.S.C. § 7412. Common TACs include benzene, perchloroethylene and asbestos. *Id.* at 7412(b).

In contrast, there are only six (6) criteria air pollutants: ozone, particulate matter, carbon monoxide, nitrogen oxides, sulfur dioxide and lead. Although criteria air pollutants can also be harmful to human health, they are distinguishable from toxic air contaminants and are regulated separately. For instance, while criteria pollutants are regulated by numerous sections throughout Title I of the Clean Air Act, the regulation of toxic air contaminants occurs solely under section 112 of the Act. Compare 42 U.S.C. §§ 7407 – 7411 & 7501 – 7515 with 42 U.S.C. § 7411.

[4] See, e.g., CEQA Guidance at http://www.valleyair.org/transportation/GAMAQI_3-19-15.pdf, pp. 64-66, 80.

[5] See, e.g., CEQA Guidance at http://www.valleyair.org/transportation/GAMAQI_3-19-15.pdf, pp. 66, 99-101.

pollutants and local health impacts, departs from the Air District's Guidance and approved methodology for assessing criteria pollutants. A close reading of the administrative record that gave rise to this issue demonstrates that the Court's holding is based on a misunderstanding of the distinction between toxic air contaminants (for which a local health risk assessment is feasible and routinely performed) and criteria air pollutants (for which a local health risk assessment is not feasible and would result in speculative results).[6] The Air District has a direct interest in ensuring the lawfulness and consistent application of its CEQA Guidance, and will explain how the Court of Appeal departed from the Air District's long-standing CEQA Guidance in addressing criteria pollutants and toxic air contaminants in this amicus brief.

2. How the Proposed Amicus Curiae Brief Will Assist the Court

As counsel for the proposed amicus curiae, we have reviewed the briefs filed in this action. In addition to serving as a "commentary agency" for CEQA purposes over the Friant Ranch project, the Air District has a strong interest in assuring that CEQA is used for its intended purpose, and believes that this Court would benefit from additional briefing explaining the distinction between criteria pollutants and toxic air contaminants and the different methodologies employed by local air pollution control agencies such as the Air District to analyze these two categories of air pollutants under CEQA. The Air District will also explain how the Court of Appeal's opinion is based upon a fundamental misunderstanding of these two different approaches by requiring the County of Fresno to correlate the project's *criteria* pollution emissions with *local* health impacts. In doing

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[6] CEQA does not require speculation. *See, e.g., Laurel Heights Improvement Ass'n v. Regents of Univ. of Cal.*, 6 Cal. 4th 1112, 1137 (1993) (upholding EIR that failed to evaluate cumulative toxic air emission increases given absence of any acceptable means for doing so).

so, the Air District will provide helpful analysis to support its position that at least insofar as criteria pollutants are concerned, CEQA does not require an EIR to correlate a project's air quality emissions to specific health impacts, because such an analysis is not reasonably feasible.

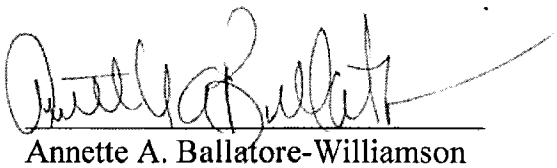
Rule 8.520 Disclosure

Pursuant to Cal. R. 8.520(f)(4), neither the Plaintiffs nor the Defendant or Real Party In Interest or their respective counsel authored this brief in whole or in part. Neither the Plaintiffs nor the Defendant or Real Party in Interest or their respective counsel made any monetary contribution towards or in support of the preparation of this brief.

CONCLUSION

On behalf of the San Joaquin Valley Unified Air Pollution Control District, we respectfully request that this Court accept the filing of the attached brief.

Dated: April 2, 2015



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District Counsel
Attorney for Proposed Amicus Curiae

SAN JOAQUIN VALLEY UNIFIED
AIR POLLUTION CONTROL
DISTRICT

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I. INTRODUCTION.

The San Joaquin Valley Unified Air Pollution Control District ("Air District") respectfully submits that the Court of Appeal erred when it held that the air quality analysis contained in the Environmental Impact Report ("EIR") for the Friant Ranch development project was inadequate under the California Environmental Quality Act ("CEQA") because it did not include an analysis of the correlation between the project's criteria air pollutants and the potential adverse human health impacts. A close reading of the portion of the administrative record that gave rise to this issue demonstrates that the Court's holding is based on a misunderstanding of the distinction between toxic air contaminants and criteria air pollutants.

Toxic air contaminants, also known as hazardous air pollutants, are those pollutants that are known or suspected to cause cancer or other serious health effects, such as birth defects. There are currently 189 toxic air contaminants (hereinafter referred to as "TACs") regulated by the United States Environmental Protection Agency ("EPA") and the states pursuant to the Clean Air Act. 42 U.S.C. § 7412. Common TACs include benzene, perchloroethylene and asbestos. *Id.* at 7412(b).

In contrast, there are only six (6) criteria air pollutants: ozone, particulate matter, carbon monoxide, nitrogen oxides, sulfur dioxide and lead. Although criteria air pollutants can also be harmful to human health,

they are distinguishable from TACs and are regulated separately. For instance, while criteria pollutants are regulated by numerous sections throughout Title I of the Clean Air Act, the regulation of TACs occurs solely under section 112 of the Act. *Compare* 42 U.S.C. §§ 7407 – 7411 & 7501 – 7515 *with* 42 U.S.C. § 7411.

The most relevant difference between criteria pollutants and TACs for purposes of this case is the manner in which human health impacts are accounted for. While it is common practice to analyze the correlation between an individual facility's TAC emissions and the expected localized human health impacts, such is not the case for criteria pollutants. Instead, the human health impacts associated with criteria air pollutants are analyzed and taken into consideration when EPA sets the national ambient air quality standard ("NAAQS") for each criteria pollutant. 42 U.S.C. § 7409(b)(1). The health impact of a particular criteria pollutant is analyzed on a regional and not a facility level based on how close the area is to complying with (attaining) the NAAQS. Accordingly, while the type of individual facility / health impact analysis that the Court of Appeal has required is a customary practice for TACs, it is not feasible to conduct a similar analysis for criteria air pollutants because currently available computer modeling tools are not equipped for this task.

It is clear from a reading of both the administrative record and the Court of Appeal's decision that the Court did not have the expertise to fully

appreciate the difference between TACs and criteria air pollutants. As a result, the Court has ordered the County of Fresno to conduct an analysis that is not practicable and not likely yield valid information. The Air District respectfully requests that this portion of the Court of Appeal's decision be reversed.

II. THE COURT OF APPEAL ERRED IN FINDING THE FRIANT RANCH EIR INADEQUATE FOR FAILING TO ANALYZE THE SPECIFIC HUMAN HEALTH IMPACTS ASSOCIATED CRITERIA AIR POLLUTANTS.

Although the Air District does not take lightly the amount of air emissions at issue in this case, it submits that the Court of Appeal got it wrong when it required Fresno County to revise the Friant Ranch EIR to include an analysis correlating the criteria air pollutant emissions associated with the project with specific, localized health-impacts. The type of analysis the Court of Appeal has required will not yield reliable information because currently available modeling tools are not well suited for this task. Further, in reviewing this issue de novo, the Court of Appeal failed to appreciate that it lacked the scientific expertise to appreciate the significant differences between a health risk assessment commonly performed for toxic air contaminants and a similar type of analysis it felt should have been conducted for criteria air pollutants.

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A. Currently Available Modeling Tools are not Equipped to Provide a Meaningful Analysis of the Correlation between an Individual Development Project's Air Emissions and Specific Human Health Impacts.

In order to appreciate the problematic nature of the Court of Appeals' decision requiring a health risk type analysis for criteria air pollutants, it is important to understand how the relevant criteria pollutants (ozone and particulate matter) are formed, dispersed and regulated.

Ground level ozone (smog) is not directly emitted into the air, but is formed when precursor pollutants such as oxides of nitrogen (NOx) and volatile organic compounds (VOCs) are emitted into the atmosphere and undergo complex chemical reactions in the process of sunlight.[1] Once formed, ozone can be transported long distances by wind.[2] Because of the complexity of ozone formation, a specific tonnage amount of NOx or VOCs emitted in a particular area does not equate to a particular concentration of ozone in that area. In fact, even rural areas that have relatively low tonnages of emissions of NOx or VOCs can have high levels of ozone concentration simply due to wind transport.[3] Conversely, the San Francisco Bay Area has six times more NOx and VOC emissions per square mile than the San Joaquin Valley, but experiences lower

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[1] *See* United States Environmental Protection Agency, *Ground-level Ozone: Basic Information*, available at: http://www.epa.gov/airquality/ozonepollution/basic.html (visited March 10, 2015).
[2] *Id.*
[3] *Id.*

concentrations of ozone (and better air quality) simply because sea breezes disperse the emissions.[4]

Particulate matter ("PM") can be divided into two categories: directly emitted PM and secondary PM.[5] While directly emitted PM can have a localized impact, the tonnage emitted does not always equate to the local PM concentration because it can be transported long distances by wind.[6] Secondary PM, like ozone, is formed via complex chemical reactions in the atmosphere between precursor chemicals such as sulfur dioxides (SOx) and NOx.[7] Because of the complexity of secondary PM formation, the tonnage of PM-forming precursor emissions in an area does not necessarily result in an equivalent concentration of secondary PM in that area.

The disconnect between the *tonnage* of precursor pollutants (NOx, SOx and VOCs) and the *concentration* of ozone or PM formed is important because it is not necessarily the tonnage of precursor pollutants that causes human health effects, but the concentration of resulting ozone or PM. Indeed, the national ambient air quality standards ("NAAQS"), which are statutorily required to be set by the United States Environmental Protection

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[4] *San Joaquin Valley Air Pollution Control District 2007 Ozone Plan*, Executive Summary p. ES-6, available at: http://www.valleyair.org/Air_Quality_Plans/docs/AQ_Ozone_2007_Adopted/03%20Executive%20Summary.pdf (visited March 10, 2015).

[5] United States Environmental Protection Agency, *Particulate Matter: Basic Information*, available at: http://www.epa.gov/airquality/particlepollution/basic.html (visited March 10, 2015).

[6] *Id.*

[7] *Id.*

Agency ("EPA") at levels that are "requisite to protect the public health," 42 U.S.C. § 7409(b)(1), are established as concentrations of ozone or particulate matter and not as tonnages of their precursor pollutants.[8]

Attainment of a particular NAAQS occurs when the concentration of the relevant pollutant remains below a set threshold on a consistent basis throughout a particular region. For example, the San Joaquin Valley attained the 1-hour ozone NAAQS when ozone concentrations remained at or below 0.124 parts per million Valley-wide on 3 or fewer days over a 3-year period.[9] Because the NAAQS are focused on achieving a particular concentration of pollution region-wide, the Air District's tools and plans for attaining the NAAQS are regional in nature.

For instance, the computer models used to simulate and predict an attainment date for the ozone or particulate matter NAAQS in the San Joaquin Valley are based on regional inputs, such as regional inventories of precursor pollutants (NOx, SOx and VOCs) and the atmospheric chemistry and meteorology of the Valley.[10] At a very basic level, the models simulate future ozone or PM levels based on predicted changes in precursor

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[8] See, e.g., United States Environmental Protection Agency, *Table of National Ambient Air Quality Standards*, available at: http://www.epa.gov/air/criteria.html#3 (visited March 10, 2015).

[9] *San Joaquin Valley Unified Air Pollution Control District 2013 Plan for the Revoked 1-Hour Ozone Standard*, Ch. 2 p. 2-16, available at: http://www.valleyair.org/Air_Quality_Plans/OzoneOneHourPlan2013/02Chapter2ScienceTrendsModeling.pdf (visited March 10, 2015).

[10] *Id.* at Ch. 2 p. 2-19 (visited March 12, 2015); *San Joaquin Valley Unified Air Pollution Control District 2008 PM2.5 Plan*, Appendix F, pp. F-2 – F-5, available at: http://www.valleyair.org/Air_Quality_Plans/docs/AQ_Final_Adopted_PM2.5/20%20Appendix%20F.pdf (visited March 19, 2015).

emissions Valley wide.[11] Because the NAAQS are set levels necessary to protect human health, the closer a region is to attaining a particular NAAQS, the lower the human health impact is from that pollutant.

The goal of these modeling exercises is not to determine whether the emissions generated by a particular factory or development project will affect the date that the Valley attains the NAAQS. Rather, the Air District's modeling and planning strategy is regional in nature and based on the extent to which *all* of the emission-generating sources in the Valley (current and future) must be controlled in order to reach attainment.[12]

Accordingly, the Air District has based its thresholds of significance for CEQA purposes on the levels that scientific and factual data demonstrate that the Valley can accommodate without affecting the attainment date for the NAAQS.[13] The Air District has tied its CEQA significance thresholds to the level at which stationary pollution sources permitted by the Air District must "offset" their emissions.[14] This "offset"

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[11] *Id.*

[12] Although the Air District does have a dispersion modeling tool used during its air permitting process that is used to predict whether a particular project's directly emitted PM will either cause an exceedance of the PM NAAQS or contribute to an existing exceedance, this model bases the prediction on a worst case scenario of emissions and meteorology and has no provision for predicting any associated human health impacts. Further, this analysis is only performed for stationary sources (factories, oil refineries, etc.) that are required to obtain a New Source Review permit from the Air District and not for development projects such as Friant Ranch over which the Air District has no preconstruction permitting authority. *See* San Joaquin Valley Unified Air Pollution Control District Rule 2201 §§ 2.0; 3.3.9; 4.14.1, available at: http://www.valleyair.org/rules/currntrules/Rule2201041l.pdf (visited March 19, 2015).

[13] *San Joaquin Valley Unified Air Pollution Control District Guide to Assessing and Mitigating Air Quality Impacts*, (March 19, 2015) p. 22, available at: http://www.valleyair.org/transportation/CEQA%20Rules/GAMAQI%20Jan%202002%20Rev.pdf (visited March 30, 2015).

[14] *Id.* at pp. 22, 25.

level allows for growth while keeping the cumulative effects of all new sources at a level that will not impede attainment of the NAAQS.[15] In the Valley, these thresholds are 15 tons per year of PM, and 10 tons of NOx or VOC per year. *Sierra Club*, *supra*, 172 Cal.Rptr.3d at 303; AR 4554. Thus, the CEQA air quality analysis for criteria pollutants is not really a localized, project-level impact analysis but one of regional, "cumulative impacts."

Accordingly, the significance thresholds applied in the Friant Ranch EIR (15 tons per year of PM and 10 tons of NOx or VOCs) are not intended to be indicative of any localized human health impact that the project may have. While the health effects of air pollution are of primary concern to the Air District (indeed, the NAAQS are established to protect human health), the Air District is simply not equipped to analyze whether and to what extent the criteria pollutant emissions of an individual CEQA project directly impact human health in a particular area. This is true even for projects with relatively high levels of emissions of criteria pollutant precursor emissions.

For instance, according to the EIR, the Friant Ranch project is estimated to emit 109.52 tons per year of ROG (VOC), 102.19 tons per year of NOx, and 117.38 tons per year of PM. Although these levels well

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[15] [15] *San Joaquin Valley Unified Air Pollution Control District Environmental Review Guidelines* (Aug. 2000) p. 4-11, available at: http://www.valleyair.org/transportation/CEQA%20Rules/ERG%20Adopted%20_August%202000_.pdf (visited March 12, 2015).

exceed the Air District's CEQA significance thresholds, this does not mean that one can easily determine the concentration of ozone or PM that will be created at or near the Friant Ranch site on a particular day or month of the year, or what specific health impacts will occur. Meteorology, the presence of sunlight, and other complex chemical factors all combine to determine the ultimate concentration and location of ozone or PM. This is especially true for a project like Friant Ranch where most of the criteria pollutant emissions derive not from a single "point source," but from area wide sources (consumer products, paint, etc.) or mobile sources (cars and trucks) driving to, from and around the site.

In addition, it would be extremely difficult to model the impact on NAAQS attainment that the emissions from the Friant Ranch project may have. As discussed above, the currently available modeling tools are equipped to model the impact of *all* emission sources in the Valley on attainment. According to the most recent EPA-approved emission inventory, the NOx inventory for the Valley is for the year 2014 is 458.2 tons per day, or 167,243 tons per year and the VOC (or ROG) inventory is 361.7 tons per day, or 132,020.5 tons per year.[16] Running the photochemical grid model used for predicting ozone attainment with the

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[16] *San Joaquin Valley Unified Air Pollution Control District 2007 Ozone Plan*, Appendix B pp. B-6, B-9,
available at:
http://www.valleyair.org/Air_Quality_Plans/docs/AQ_Ozone_2007_Adopted/19%20Appendix%20B%20April%202007.pdf (visited March 12, 2015).

emissions solely from the Friant Ranch project (which equate to less than one-tenth of one percent of the total NOx and VOC in the Valley) is not likely to yield valid information given the relative scale involved.

Finally, even once a model is developed to accurately ascertain local increases in concentrations of photochemical pollutants like ozone and some particulates, it remains impossible, using today's models, to correlate that increase in concentration to a specific health impact. The reason is the same: such models are designed to determine regional, population-wide health impacts, and simply are not accurate when applied at the local level.

For these reasons, it is not the norm for CEQA practitioners, including the Air District, to conduct an analysis of the localized health impacts associated with a project's criteria air pollutant emissions as part of the EIR process. When the accepted scientific method precludes a certain type of analysis, "the court cannot impose a legal standard to the contrary." *Kings County Farm Bureau v. City of Hanford* (1990) 221 Cal.App.3d 692, 717 n. 8. However, that is exactly what the Court of Appeal has done in this case. Its decision upends the way CEQA air quality analysis of criteria pollutants occurs and should be reversed.

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B. The Court of Appeal Improperly Extrapolated a Request for a Health Risk Assessment for Toxic Air Contaminants into a Requirement that the EIR contain an Analysis of Localized Health Impacts Associated with Criteria Air Pollutants.

The Court of Appeal's error in requiring the new health impact analysis for criteria air pollutants clearly stems from a misunderstanding of terms of art commonly used in the air pollution field. More specifically, the Court of Appeal (and Appellants Sierra Club et al.) appear to have confused the health risk analysis ("HRA") performed to determine the health impacts associated with a project's toxic air contaminants ("TACs"), with an analysis correlating a project's criteria air pollutants (ozone, PM and the like) with specific localized health impacts.

The first type of analysis, the HRA, is commonly performed during the Air District's stationary source permitting process for projects that emit TACs and is, thus, incorporated into the CEQA review process. An HRA is a comprehensive analysis to evaluate and predict the dispersion of TACs emitted by a project and the potential for exposure of human populations. It also assesses and quantifies both the individual and population-wide health risks associated with those levels of exposure. There is no similar analysis conducted for criteria air pollutants. Thus, the second type of analysis (required by the Court of Appeal), is not currently part of the Air District's process because, as outlined above, the health risks associated

with exposure to criteria pollutants are evaluated on a regional level based on the region's attainment of the NAAQS.

The root of this confusion between the types of analyses conducted for TACs versus criteria air pollutants appears to stem from a comment that was presented to Fresno County by the City of Fresno during the administrative process.

In its comments on the draft EIR, the City of Fresno (the only party to raise this issue) stated:

> [t]he EIR must disclose the human health related effects of the Project's air pollution impacts. (CEQA Guidelines section 15126.2(a).) The EIR fails completely in this area. The EIR should be revised to disclose and determine the significance of TAC impacts, and of human health risks due to exposure to Project-related air emissions.

(AR 4602.)

In determining that the issue regarding the correlation between the Friant Ranch project's criteria air pollutants and adverse health impacts was adequately exhausted at the administrative level, the Court of Appeal improperly read the first two sentences of the City of Fresno's comment in isolation rather than in the context of the entire comment. *See Sierra Club v. County of Fresno* (2014) 172 Cal.Rptr.3d 271, 306. Although the comment first speaks generally in terms of "human health related effects" and "air pollution," it requests only that the EIR be revised to disclose "the significance of TACs" and the "human health risks due to exposure."

The language of this request in the third sentence of the comment is significant because, to an air pollution practitioner, the language would only have indicated only that a HRA for TACs was requested, and not a separate analysis of the health impacts associated with the project's criteria air pollutants. Fresno County clearly read the comment as a request to perform an HRA for TACs and limited its response accordingly. (AR 4602.)[17] The Air District submits that it would have read the City's comment in the same manner as the County because the City's use of the terms "human health risks" and "TACs" signal that an HRA for TACs is being requested. Indeed, the Air District was also concerned that an HRA be conducted, but understood that it was not possible to conduct such an analysis until the project entered the phase where detailed site specific information, such as the types of emission sources and the proximity of the sources to sensitive receptors became available. (AR 4553.)[18] The City of Fresno was apparently satisfied with the County's discussion of human health risks, as it did not raise the issue again when it commented on the final EIR. (AR 8944 – 8960.)

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[17] Appellants do not challenge the manner in which the County addressed TACs in the EIR. (Appellants' Answer Brief p. 28 fn. 7.)

[18] Appellants rely on the testimony of Air District employee, Dan Barber, as support for their position that the County should have conducted an analysis correlating the project's criteria air pollutant emissions with localized health impacts. (Appellants Answer Brief pp. 10-11; 28.) However, Mr. Barber's testimony simply reinforces the Air District's concern that a risk assessment (HRA) be conducted once the actual details of the project become available. (AR 8863.) As to criteria air pollutants, Mr. Barber's comments are aimed at the Air District's concern about the amount of emissions and the fact that the emissions will make it "more difficult for Fresno County and the Valley to reach attainment which means that the health of Valley residents maybe [sic] adversely impacted." Mr. Barber says nothing about conducting a separate analysis of the localized health impacts the project's emissions may have.

The Court of Appeal's holding, which incorrectly extrapolates a request for an HRA for TACs into a new analysis of the localized health impacts of the project's criteria air pollutants, highlights two additional errors in the Court's decision.

First, the Court of Appeal's holding illustrates why the Court should have applied the deferential substantial evidence standard of review to the issue of whether the EIR's air quality analysis was sufficient. The regulation of air pollution is a technical and complex field and the Court of Appeal lacked the expertise to fully appreciate the difference between TACs and criteria air pollutants and tools available for analyzing each type of pollutant.

Second, it illustrates that the Court likely got it wrong when it held that the issue regarding the criteria pollutant / localized health impact analysis was properly exhausted during the administrative process. In order to preserve an issue for the court, '[t]he "exact issue" must have been presented to the administrative agency....' [Citation.] *Citizens for Responsible Equitable Environmental Development v. City of San Diego*, (2011) 196 Cal.App.4th 515, 527 129 Cal.Rptr.3d 512, 521; *Sierra Club v. City of Orange* (2008) 163 Cal.App.4th 523, 535, 78 Cal.Rptr.3d 1, 13. "'[T]he objections must be sufficiently specific so that the agency has the

opportunity to evaluate and respond to them.' [Citation.]" *Sierra Club v. City of Orange*,163 Cal.App.4th at 536.[19]

As discussed above, the City's comment, while specific enough to request a commonly performed HRA for TACs, provided the County with no notice that it should perform a new type of analysis correlating criteria pollutant tonnages to specific human health effects. Although the parties have not directly addressed the issue of failure to exhaust administrative remedies in their briefs, the Air District submits that the Court should consider how it affects the issues briefed by the parties since "[e]xhaustion of administrative remedies is a jurisdictional prerequisite to maintenance of a CEQA action." *Bakersfield Citizens for Local Control v. City of Bakersfield* (2004) 124 Cal.App.4th 1184, 1199, 22 Cal.Rptr.3d 203.

III. CONCLUSION

For all of the foregoing reasons, the Air District respectfully requests that the portion of the Court of Appeal's decision requiring an analysis correlating the localized human health impacts associated with an individual project's criteria air pollutant emissions be reversed.

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[19] *Sierra Club v. City of Orange*, is illustrative here. In that case, the plaintiffs challenged an EIR approved for a large planned community on the basis that the EIR improperly broke up the various environmental impacts by separate project components or "piecemealed" the analysis in violation of CEQA. In evaluating the defense that the plaintiffs had failed to adequately raise the issue at the administrative level, the Court held that comments such as *"the use of a single document for both a project-level and a program-level EIR [is] 'confusing',"* and *"[t]he lead agency should identify any potential adverse air quality impacts that could occur from all phases of the project and all air pollutant sources related to the project,"* were too vague to fairly raise the argument of piecemealing before the agency. *Sierra Club v. City of Orange*, 163 Cal.App.4th at 537.

correlating the localized human health impacts associated with an individual project's criteria air pollutant emissions be reversed.

Respectfully submitted,

Dated: April 2, 2015

Catherine T. Redmond
Attorney for Proposed Amicus Curiae

SAN JOAQUIN VALLEY
UNIFIED
AIR POLLUTION CONTROL
DISTRICT

CERTIFICATE OF WORD COUNT

Pursuant to Rule 8.204 of the California Rules of Court, I hereby certify that this document, based on the Word County feature of the Microsoft Word software program used to compose and print this document, contains, exclusive of caption, tables, certificate of word count, signature block and certificate of service, 3806 words.

Dated: April 2, 2015

Annette A. Ballatore-Williamson
District Counsel (SBN 192176)

Sierra Club et al, v. County of Fresno, et al
Supreme Court of California Case No.: S219783
Fifth District Court of Appeal Case No.: F066798
Fresno County Superior Court Case No.: 11CECG00726

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I am over the age of 18 years and not a p[arty to the above-captioned action; that my business address is San Joaquin Valley Unified Air Pollution Control District located at 1990 E. Gettysburg Avenue, Fresno, California 93726.

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Esthela Soto

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Sierra Club et al, v. County of Fresno, et al
Supreme Court of California Case No.: S219783
Fifth District Court of Appeal Case No.: F066798
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Appendix C
Biological Technical Report

Biological Resources Technical Report

Poplar 18 Project

AUGUST 2022

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Acronyms and Abbreviations

Acronym	Definition
amsl	above mean sea level
BMP	best management practice
BSA	biological survey area
CDFW	California Department of Fish and Wildlife
CDNPA	California Desert Native Plants Act
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
City	City of Hesperia
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CRPR	California Rare Plant Rank
CWA	Clean Water Act
FESA	Federal Endangered Species Act
HUC	Hydrologic Unit Code
I	Interstate
MBTA	Migratory Bird Treaty Act
MM	Mitigation Measure
OHWM	ordinary high water mark
Project	Poplar 18 Project
RWQCB	Regional Water Quality Control Board
USACE	U.S. Army Corps of Engineers
USFWS	U.S. Fish and Wildlife Service
WEAP	Worker Environmental Awareness Program

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1 Introduction

This report documents the results of surveys conducted to identify potential biological resources constraints for the Poplar 18 Project (Project) in the City of Hesperia, San Bernardino County, California. A cumulative analysis of the Project is provided within this report. Figure 1, Regional Map, shows the regional location of the Project, and the site vicinity.

The purpose of this report is to (1) describe the conditions of biological resources within the Project site in terms of vegetation communities, plants, wildlife, wildlife habitats, and wetlands; (2) quantify potential direct and indirect impacts to sensitive biological resources that would result from the Project; (3) discuss those impacts in terms of biological significance in view of federal, state, and local laws, and County of San Bernardino General Plan and City of Hesperia General Plan and Municipal Code policies; and (4) specify measures to avoid, minimize, and/or mitigate any significant impacts that would occur to biological resources as a result of Project implementation.

1.1 Project Description

1.1.1 Project Location

The approximately 22.9-acre Project, including the 17.84-acre Project site and 5.06-acre Off-Site Improvement Area, is located in the western part of Hesperia, which is within the Victor Valley region of San Bernardino County (Figure 1, Regional Map; Figure 2, Project Vicinity). The Project is on the southwest quadrant of Interstate (I) 15 and Main Street. The Project site is located south of Main Street, west of Cataba Road and Mesa Linda Street, north of I-15 and Poplar Street, and east of U.S. Highway 395 and Lassen Road. The Project consists of Assessor's Parcel Numbers 3064-581-04-0000 and 3064-581-05-0000. Specifically, the Project is located in Section 22, Township 4 North, Range 5 West, as depicted on the U.S. Geological Survey Baldy Mesa, California 7.5-minute topographic quadrangle map. Regional access to the Project is provided via I-15 and U.S. Highway 395.

1.1.2 Project Components

The Project would involve construction of an industrial/warehouse building and associated improvements on 17.84 acres of vacant land (see Figure 3, Project Site Plan). The proposed project would provide 414,700 square feet of industrial/warehouse space and include associated improvements, such as loading docks, tractor-trailer stalls, passenger vehicle parking spaces, stormwater detention basins, and landscape areas. Offices within the building would be distributed among four individual office spaces in each corner of the building.

On-Site and Off-Site Improvements

The Project would include improvements along Mesa Linda Street, Lassen Street, and Poplar Street, including frontage landscaping and pedestrian improvements. A variety of trees, shrubs, plants, and land covers would be planted within the Project frontage's landscape setback area, as well as within the landscape areas found around the proposed industrial/warehouse building and throughout the Project site.

Site Access, Circulation, and Parking

Access to the Project site would be provided by four driveways: two driveways on the western side of the Project site off Lassen Street and two driveways on the eastern side of the Project site along Mesa Linda Street. Paved passenger vehicle parking areas would be provided within areas north, east, and west of the warehouse building, and tractor-trailer stalls and loading docks would be located on the northern side of the warehouse building. The Project would provide approximately 54 loading dock positions, approximately 54 tractor-trailer stalls, roughly 182 passenger vehicle parking spaces (including accessible and electric vehicle charging stalls), and approximately 14.9% landscape area coverage.

Utility Improvements

Given the vacant, undeveloped nature of the Project site, both wet and dry utilities, including domestic water, sanitary sewer, and electricity, would need to be extended onto the Project site. Stormwater would be managed on site using at-grade detention basins and subsurface catch basins to capture and treat on-site stormwater.

Operations

Tenants for the Project have not been identified; however, the final layout of the industrial warehouse building is complete. Business operations would be expected to be conducted within the enclosed building, with the exception of the ingressing and egressing of trucks and passenger vehicles accessing the site; passenger and truck parking; the loading and unloading of trailers within designated truck courts/loading areas; and the internal and external movement of materials around the Project site via forklifts, pallet jacks, yard hostlers, and similar equipment. It is anticipated that the facilities would be operated 24 hours a day, 7 days a week. At this time, the Project applicant does not anticipate leasing any portion of the building to a tenant that would require refrigerated space, and this use is not contemplated in this environmental analysis.

2 Regulatory Setting

2.1 Federal

2.1.1 Federal Endangered Species Act

The federal Endangered Species Act (FESA) of 1973 (16 USC 1531 et seq.), as amended, is administered by the U.S. Fish and Wildlife Service (USFWS) for most plant and animal species, and by the National Oceanic and Atmospheric Administration National Marine Fisheries Service for certain marine species. This legislation is intended to provide a means to conserve the ecosystems upon which endangered and threatened species depend, and provide programs for the conservation of those species, thus preventing the extinction of plants and wildlife. FESA defines an endangered species as "any species that is in danger of extinction throughout all or a significant portion of its range." A threatened species is defined as "any species that is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range." Under FESA, it is unlawful to "take" any listed species; "take" is defined as, "harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct."

FESA allows for the issuance of incidental take permits for listed species under Section 7, which is generally available for projects that also require other federal agency permits or other approvals, and under Section 10, which provides for the approval of habitat conservation plans on private property without any other federal agency involvement.

2.1.2 Migratory Bird Treaty Act

The Migratory Bird Treaty Act (MBTA) prohibits the intentional and unintentional take of any migratory bird or any part, nest, or eggs of any such bird. Under the MBTA, "take" is defined as pursuing, hunting, shooting, capturing, collecting, or killing, or attempting to do so (16 USC 703 et seq.). Currently, the Migratory Birds office considers nests that support eggs, nestlings, or juveniles to be active. Additionally, Executive Order 13186, Responsibilities of Federal Agencies to Protect Migratory Birds, requires that any project with federal involvement address impacts of federal actions on migratory birds with the purpose of promoting conservation of migratory bird populations (66 FR 3853–3856). Executive Order 13186 requires federal agencies to work with USFWS to develop a memorandum of understanding. USFWS reviews actions that might affect these species.

2.1.3 Clean Water Act

The Clean Water Act (CWA) provides guidance for the restoration and maintenance of the chemical, physical, and biological integrity of the nation's waters. Section 401 requires a project operator for a federal license or permit that allows activities resulting in a discharge to waters of the United States to obtain state certification, thereby ensuring that the discharge will comply with provisions of the CWA. The Regional Water Quality Control Boards (RWQCBs) administer the certification program in California. Section 402 establishes a permitting system for the discharge of any pollutant (except dredged or fill material) into waters of the United States. Section 404 establishes a permit program administered by the U.S. Army Corps of Engineers (USACE) that regulates the discharge of dredged or fill material into waters of the United States, including wetlands. USACE implementing regulations are found at 33 Code of Federal Regulations (CFR) Parts 320 through 332. Guidelines for implementation are referred to as the

Section 404(b)(1) Guidelines, which were developed by the U.S. Environmental Protection Agency in conjunction with USACE (40 CFR 230). The guidelines allow the discharge of dredged or fill material into the aquatic system only if there is no practicable alternative that would have less adverse impacts.

Wetlands and Other Waters of the United States

Based on a recent court case ordering vacation of the Navigable Waters Protection Rule, USACE and the U.S. Environmental Protection Agency halted implementation of the rule and are interpreting waters of the United States consistent with the pre-2015 regulatory regime until further notice. Per 33 CFR 328.3(a), "waters of the United States" are defined as follows:

1. All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
2. All interstate waters including interstate wetlands;
3. All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce including any such waters:
    a. Which are or could be used by interstate or foreign travelers for recreational or other purposes; or
    b. From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
    c. Which are used or could be used for industrial purposes by industries in interstate commerce;
4. All impoundments of waters otherwise defined as waters of the United States under this definition;
5. Tributaries of waters identified in paragraphs (a)(1) through (4) of this section;
6. The territorial seas;
7. Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a)(1) through (6) of this section.
8. Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA (other than cooling ponds as defined in 40 CFR 423.11(m) which also meet the criteria of this definition) are not waters of the United States.

The USACE/U.S. Environmental Protection Agency Rapanos Guidance states that USACE regulates traditional navigable waters, adjacent wetlands, relatively permanent waters tributary to traditional navigable waters, and adjacent wetlands. Non-relatively permanent waters (those exhibiting less than 3 months of continuous surface flows) and their adjacent wetlands are regulated if there is a significant nexus from the site to traditional navigable waters.

The State Water Resources Control Board has authority over wetlands through Section 401 of the CWA, as well as the Porter–Cologne Water Quality Control Act (Porter–Cologne Act), California Code of Regulations Section 3831(k), and California Wetlands Conservation Policy. The CWA requires that an applicant for a Section 404 permit (to discharge dredge or fill material into waters of the United States) first obtain certification from the appropriate state agency stating that the fill is consistent with the state's water quality standards and criteria. In California, the authority to either grant certification or waive the requirement for permits is delegated by the State Water Resources Control Board to the nine RWQCBs. A request for certification is submitted to the RWQCB at the same time that an application is filed with USACE.

2.2 State

2.2.1 California Endangered Species Act

The California Endangered Species Act (CESA) (California Fish and Game Code, Sections 2050–2068) provides protection and prohibits the take of plant, fish, and wildlife species listed by the State of California. Unlike FESA, under CESA, state-listed plants have the same degree of protection as wildlife, but insects and other invertebrates may not be listed. Take is defined similarly to FESA, and is prohibited for both listed and candidate species. Take authorization may be obtained by a project applicant from the California Department of Fish and Wildlife (CDFW) under CESA Section 2081, which allows take of a listed species for educational, scientific, or management purposes. In this case, private developers consult with CDFW to develop a set of measures and standards for managing the listed species, including full mitigation for impacts, funding of mitigation implementation, and monitoring of mitigation measures.

On October 21, 2019, the California Fish and Game Commission (Commission) received a petition from the Center for Biological Diversity to list western Joshua tree (*Yucca brevifolia*) (Center for Biological Diversity 2019).[1] On November 1, 2019, the Commission referred the petition to CDFW for evaluation. CDFW evaluated the scientific information presented in the petition and other relevant information possessed by CDFW at the time of review, and prepared a report for submittal to the Commission. The report states that CDFW recommended that the Commission accept the petition for further consideration of western Joshua tree under CESA. On September 22, 2020, the Commission approved the petition to accept the candidacy proposal for western Joshua tree, effective October 9, 2020 (CDFW 2020a). When a plant or wildlife species is granted candidacy under CESA, the species is given the same protection as a threatened or endangered species while the Commission evaluates whether formal listing as threatened or endangered under is warranted. For this Project, take or removal of western Joshua trees would require a 2081 Incidental Take Permit from CDFW.

2.2.2 California Fish and Game Code

Fully Protected Species

Sections 3511, 4700, 5050, and 5515 of the California Fish and Game Code outline protection for fully protected species of mammals, birds, reptiles, amphibians, and fish. Species that are fully protected by these sections may not be taken or possessed at any time. CDFW cannot issue permits or licenses that authorize the "take" of any fully protected species, except under certain circumstances, such as scientific research and live capture and relocation of such species pursuant to a permit for the protection of livestock. Furthermore, it is the responsibility of CDFW to maintain viable populations of all native species. Toward that end, CDFW has designated certain vertebrate species as Species of Special Concern, because declining population levels, limited ranges, and/or continuing threats have made them vulnerable to extinction.

[1] On October 21, 2019, the California Fish and Game Commission received a petition to list the following as threatened under the California Endangered Species Act: (1) western Joshua tree (*Yucca brevifolia*) throughout its California range, or, in the event the Commission determines that listing of *Yucca brevifolia* throughout its California range is not warranted, then (2) the western Joshua tree population within the northern part of western Joshua tree's California range, or (3) the western Joshua tree population within the southern part of western Joshua tree's California range.

Sections 1600–1616

CDFW jurisdiction includes ephemeral, intermittent, and perennial watercourses (including dry washes) and lakes characterized by the presence of (1) definable bed and banks and (2) existing fish or wildlife resources. CDFW takes jurisdiction to the top of bank of the stream or the limit of the adjacent riparian vegetation, which may include oak woodlands in canyon bottoms. Historical court cases have further extended CDFW jurisdiction to include watercourses that seemingly disappear but reemerge elsewhere. Under the CDFW definition, a watercourse need not exhibit evidence of an ordinary high water mark (OHWM) to be claimed as jurisdictional. CDFW does not have jurisdiction over ocean or shoreline resources.

Under California Fish and Game Code Sections 1600–1616, CDFW has the authority to regulate work that will substantially divert or obstruct the natural flow of, or substantially change or use any material from, the bed, channel, or bank of any river, stream, or lake. CDFW also has the authority to regulate work that will deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it may pass into any river, stream, or lake. This regulation takes the form of a requirement for a Lake or Streambed Alteration Agreement and is applicable to all projects. Applications to CDFW must include a complete, certified California Environmental Quality Act (CEQA) document.

California Native Plant Protection Act

The Native Plant Protection Act of 1977 (Section 1900 et seq. of the California Fish and Game Code) directed CDFW to carry out the Legislature's intent to "preserve, protect and enhance rare and endangered plants in this State." The Native Plant Protection Act gave the California Fish and Game Commission the power to designate native plants as "endangered" or "rare," and protect endangered and rare plants from take. CESA expanded on the original Native Plant Protection Act and enhanced legal protection for plants, but the Native Plant Protection Act remains part of the California Fish and Game Code. To align with federal regulations, the categories of "threatened" and "endangered" species were added to CESA. All "rare" animals in CESA were converted to "threatened," but this did not change for rare plants. Thus, there are three listing categories for plants in California: rare, threatened, and endangered. Because rare plants are not included in CESA, mitigation measures for impacts to rare plants are specified in a formal agreement between CDFW and the project proponent.

Nesting Birds

Section 3503 of the California Fish and Game Code states that it is unlawful to take, possess, or needlessly destroy the nests or eggs of any bird, except as otherwise provided by this code or any regulation made pursuant thereto. Section 3503.5 protects all birds of prey (raptors) and their eggs and nests. Section 3511 states that fully protected birds or parts thereof may not be taken or possessed at any time. Section 3513 states that it is unlawful to take or possess any migratory non-game bird as designated in the MBTA.

2.2.3 California Environmental Quality Act

CEQA requires identification of a project's potentially significant impacts on biological resources, and ways that such impacts can be avoided, minimized, or mitigated. CEQA also provides guidelines and thresholds for use by lead agencies for evaluating the significance of proposed impacts.

The State of California CEQA Guidelines (CEQA Guidelines) Section 15380(b)(1) defines endangered animals or plants as species or subspecies whose "survival and reproduction in the wild are in immediate jeopardy from one or more causes, including loss of habitat, change in habitat, overexploitation, predation, competition, disease, or other factors." A rare animal or plant is defined in CEQA Guidelines Section 15380(b)(2) as a species that, although not presently threatened with extinction, exists "in such small numbers throughout all or a significant portion of its range that it may become endangered if its environment worsens; or … [t]he species is likely to become endangered within the foreseeable future throughout all or a significant portion of its range and may be considered 'threatened' as that term is used in the federal Endangered Species Act." Additionally, an animal or plant may be presumed to be endangered, rare, or threatened if it meets the criteria for listing, as defined further in CEQA Guidelines Section 15380(c).

CDFW has developed a list of "Special Species" as "a general term that refers to all of the taxa the California Natural Diversity Database (CNDDB) is interested in tracking, regardless of their legal or protection status." This is a broader list than those species that are protected under FESA, CESA, and other California Fish and Game Code provisions, and includes lists developed by other organizations, including, for example, the Audubon Watch List Species. Guidance documents prepared by other agencies, including the Bureau of Land Management Sensitive Species and USFWS Birds of Special Concern, are also included on this CDFW Special Species list. Additionally, CDFW has concluded that plant species listed as California Rare Plant Rank (CRPR) 1 and 2 by the California Native Plant Society (CNPS), and potentially some CRPR 3 plants, are covered by CEQA Guidelines Section 15380.

Section IV, Appendix G (Environmental Checklist Form), of the CEQA Guidelines requires an evaluation of impacts to "any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or the U.S. Fish and Wildlife Service."

2.2.4 Porter–Cologne Water Quality Control Act

Pursuant to provisions of the Porter–Cologne Act, the RWQCBs regulate discharging waste, or proposing to discharge waste, within any region that could affect a water of the state (California Water Code Section 13260[a]). The State Water Resources Control Board defines a water of the state as "any surface water or groundwater, including saline waters, within the boundaries of the state" (California Water Code, Section 13050[e]). All waters of the United States are waters of the state. Waters of the state include wetlands, and the State Water Resources Control Board definition of wetlands includes the following:

1. Natural wetlands.
2. Wetlands created by modification of a surface water of the state.
3. Artificial wetlands that meet any of the following criteria:
    a. Approved by an agency as compensatory mitigation for impacts to other waters of the state, except where the approving agency explicitly identifies the mitigation as being of limited duration.
    b. Specifically identified in a water quality control plan as a wetland or other water of the state.
    c. Resulted from historic human activity, is not subject to ongoing operation and maintenance, and has become a relatively permanent part of the natural landscape.
    d. Greater than or equal to 1 acre in size unless the artificial wetland was constructed and is currently used and maintained, primarily for one or more of the following purposes: industrial or municipal wastewater treatment or disposal; settling of sediment; detention, retention, infiltration, or treatment of stormwater runoff and other pollutants or runoff subject to

> regulation under a municipal, construction, or industrial permitting program; treatment of surface waters; agricultural crop irrigation or stock watering; fire suppression; industrial processing or cooling water; active surface mining – even if the site is managed for interim wetlands functions and values; log storage; treatment, storage, or distribution of recycled water; maximizing groundwater recharge (this does not include wetlands that have incidental groundwater recharge benefits); or fields flooded for rice growing.

Wetlands that may not meet all of USACE's wetland delineation criteria are considered wetland waters of the state if, "under normal circumstances, (1) the area has continuous or recurrent saturation of the upper substrate caused by groundwater, or shallow surface water, or both; (2) the duration of such saturation is sufficient to cause anaerobic conditions in the upper substrate; and (3) the area's vegetation is dominated by hydrophytes or the area lacks vegetation" (SWRCB 2019). Additionally, aquatic resources that USACE determines to not be waters of the United States because they lack a significant nexus to a traditional navigable water or are above the OHWM limit of federal jurisdiction, may also be considered waters of the state. If a CWA Section 404 permit is not required for a project, the RWQCB may still require a permit (waste discharge requirements) for impacts to waters of the state under the Porter–Cologne Act.

2.2.5 California Native Desert Plants Act

The purpose of the California Desert Native Plants Act (CDNPA) is to protect certain species of California desert native plants from unlawful harvesting on both public and privately owned lands. The CDNPA only applies within the boundaries of Imperial, Inyo, Kern, Los Angeles, Mono, Riverside, San Bernardino, and San Diego Counties. Within these counties, the CDNPA prohibits the harvest, transport, sale, or possession of specific native desert plants unless a person has a valid permit or wood receipt, and the required tags and seals. The appropriate permits, tags, and seals must be obtained from the sheriff or commissioner of the county where collecting will occur, and the county will charge a fee. More information on the CDNPA, including the species protected under the law, is available by reading the provisions of the law.

2.3 Local

2.3.1 San Bernardino County General Plan and Development Code

The County of San Bernardino General Plan contains the goals and policies that guide future development within San Bernardino County (County of San Bernardino 2007a). San Bernardino County is broken into three distinct geographic planning regions: the Valley, the Mountains, and the Desert. The Project site occurs within the Desert Planning Region of San Bernardino County. The Desert Planning Region has two goals and policies: (1) to preserve open lands by working with the Bureau of Land Management, and (2) to ensure that off-highway-vehicle use is managed to protect environmentally sensitive resources.

The Project would also need to comply with the Development Code. The County of San Bernardino Development Code (County of San Bernardino 2007b) implements the goals and policies of the County of San Bernardino General Plan. Chapter 88.01.060, Desert Native Plant Protection, of the Development Code is a subset of the Plant Protection and Management Code (Chapter 88.01 of the Development Code) and focuses on the conservation of specified desert plant species.

2.3.2 The City of Hesperia General Plan

The City of Hesperia (City) General Plan Conservation and Open Space Elements (City of Hesperia 2010) contain goals and policies that address biological resources. The following goals and policies pertain to biological resources and are relevant to the Project:

Goal CN-3. Minimize development and set aside necessary open space near and along the surface waters as well as those washes and other water passageways located in the City to preserve and protect plant and animal species and their natural habitat dependent on such surface waters and waterways.

Policy CN-3.1. Monitor the development impacts to these surface water resources within the City.

Policy CN 3.2. Preserve areas within the Oro Grande wash and un-named wash #1 that exhibit ideal native habitat in a natural state.

Goal CN 4. Establish policies and regulations to protect the natural environment and habitat of the City's biological resources.

Policy CN-4.1. Preserve pristine open space areas and known wildlife corridors areas for conservation to protect sensitive species and their habitats.

Policy CN-4.2. Encourage the protection, preservation and long-term viability of environmentally sensitive habitats and species in the City.

Policy CN-4.3. Identify lands that are suitable for preservation for sensitive species and their habitats.

Policy CN-4.4. In those areas known as possible habitat for endangered and sensitive species, require proper assessments before authorizing development.

Policy CN-4.5. Where such assessments indicate the presence of endangered or sensitive species, require appropriate actions to preserve the habitat and protect the identified species.

2.3.3 Hesperia Municipal Code, Chapter 16.24 – Protected Plant Policy

Chapter 16.24 of the Hesperia Municipal Code contains the City's protected plant policies. This chapter establishes policies governing the removal of protected plants, including the following (City of Hesperia 2009):

1. The following regulated desert native plants with stems two inches or greater in diameter or six feet or greater in height:
   a. *Dalea spinosa* (smoketree);
   b. All species of the family *Agavaceae* (century plants, nolinas, yuccas);
   c. All species of the genus *Prosopis* (mesquites).
2. Creosote rings, ten feet or greater in diameter.
3. All Joshua trees (mature and immature).
4. All plants protected or regulated by the California Desert Native Plants Act.

Additionally, Section 16.24.060 of the Hesperia Municipal Code states the following (City of Hesperia 2009):

> Prior to the issuance of a native tree or plant removal permit in conjunction with a development permit and/or approval of a land use application which authorizes such removal, a plot plan or grading plan shall be approved by the appropriate City review authority for each site indicating exactly which trees of plants are authorized to be removed. The required information can be added to any other required site plan. Prior to issuance of development permits in areas with native trees or plants that are subject to the provisions of this chapter, a preconstruction inspection shall be conducted by the appropriate authority. Such preconstruction inspections may be combined with any other required inspection.

2.3.3.1 Protected Plant Plan and Relocation/Adoption

Furthermore, the City's Protected Plants Policy (City of Hesperia 2009) states the following for Tentative Tract, non-single-family residential developments (i.e., commercial, industrial, and apartment development):

- A protected plant plan shall be prepared by a certified arborist or registered botanist.
- An application and fee shall be completed and paid to the City.
- Healthy, transplantable plants shall be relocated on site or may be placed in an adoption program.

To qualify as an approved adoption program, a developer shall provide a letter on company letterhead, describing the program and the community notification process. The program shall identify the following, as a minimum:

A. A public notice process which may include publication in local newspapers, radio advertisement, hand distributed fliers, and other noticing techniques. Noticing must occur over a period of not less than three weeks.
B. The location where the trees may be viewed by the public and a clearly identified period of at least two weeks (including weekends) when trees/plants are available for adoption.
C. The person that will be available on-site to assist those adopting trees to find the actual trees/plants for removal. An on-site or cell phone number for that person is required.
D. A note that a copy of the City Joshua Tree Transplanting Guidelines will be provided to each adopter.
E A log showing the name, address, and phone number of each adopter and the number and type of trees/plants they received.

Note: At least 50% of the transplantable trees and plants shall be adopted or the remaining number below 50% shall be purchased at $350 per transplantable tree. Purchased trees must be recycled at Advance Disposal.

2.3.3.2 Findings for Removals

Per Hesperia Municipal Code Section 16.24.040, the reviewing authority must authorize the removal of a native tree or plant subject to the provisions of the Hesperia Municipal Code only if the following findings are made:

A. The removal of the native tree or plant does not have a significant adverse impact on any proposed mitigation measures, soil retention, soil erosion and sediment control measures, scenic routes, flood and surface water runoff and wildlife habitats (flora and fauna), especially those with limited habitats (e.g., eagles).

B. The removal of the native tree or plant is justified for one of the following reasons:
   1. The location of the native tree or plant and/or its drip line interferes with the reasonable improvement of the site with an allowed structure, sewage disposal area, paved area or other approved improvement or ground disturbing activity. Also such improvements have been designed in such a manner as to save as many healthy native trees and/or plants as reasonably practicable in conjunction with the proposed improvements;
   2. The location of the native tree or plant and/or its drip line interferes with the planned improvement of a street or development of an approved access to the subject or adjoining private property;
   3. The location of the native tree or plant is hazardous to pedestrian or vehicular travel or safety as determined by the director of transportation, flood control and airports or other county reviewing authority;
   4. The native tree or plant or its presence interferes with or is causing excessive damage to utility services or facilities, roadways, sidewalks, curbs, gutters, pavement, sewer line(s), drainage or flood control improvements, foundations, existing structures, or municipal improvements;
   5. The condition or location of the native plant or tree is adjacent to and in such close proximity to existing or proposed structure that the native plant or tree has or will sustain significant damage.

C. Joshua trees that are proposed to be removed have been transplanted or stockpiled for future transplanting wherever possible. In the instance of stockpiling the permittee has posted a bond to insure such Joshua trees are transplanted appropriately.

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3 Methods

Data regarding biological resources present within the 29.18-acre biological survey area (BSA), which includes the Project site and Off-Site Improvement Area plus a 100-foot buffer (see Figure 4, Biological Resources), was obtained through a review of pertinent literature, field reconnaissance, habitat assessments, and protocol/focused surveys, which are described in detail in this chapter. For purposes of this report, special-status resources are defined as follows:

- Special-status plant species include the following:
  - Species designated as either rare, threatened, or endangered by CDFW or USFWS, and are protected under either CESA (California Fish and Game Code Section 2050 et seq.) or FESA (16 USC 1531 et seq.).
  - Species that are candidate species being considered or proposed for listing under FESA or CESA.
  - Species that are included on the CDFW Special Vascular Plants, Bryophytes, and Lichens List (CDFW 2022a), or species with a CRPR of 1 or 2 in the CNPS Inventory of Rare and Endangered Plants of California (CNPS Inventory) (CNPS 2022a).
- Special-status wildlife species include the following:
  - Species designated as either rare, threatened, or endangered by CDFW or USFWS and are protected under either CESA (California Fish and Game Code Section 2050 et seq.) or FESA (16 USC 1531 et seq.).
  - Species that are candidate species being considered or proposed for listing under FESA or CESA.
  - Species that are included on the CDFW Special Animals List (CDFW 2022b).
  - Species designated as a California Fish and Game Code Section 4000 fur-bearing animal.
- Special-status vegetation communities are those designated as sensitive by CDFW.

3.1 Literature Review

Prior to conducting a field assessment, a literature search and database review were conducted by Dudek biologists to evaluate the natural resources found or potentially occurring within the BSA. The database review included the most recent versions of the CNDDB and special-status species lists (CDFW 2022a, 2022b, 2022c), and the CNPS Inventory (CNPS 2022a). These databases were reviewed to identify sensitive biological resources present or potentially present for the U.S. Geological Survey 7.5-minute quadrangle on which the BSA is located (Baldy Mesa) and the eight surrounding quadrangles (Shadow Mountains SE, Adelanto, Victorville, Hesperia, Cajon, Silverwood Lake, Phelan, and Telegraph Peak). The CDFW occurrence data and critical habitat databases were queried using GIS software based on a 5-mile buffer around the BSA. Potential and/or historical drainages and aquatic features were investigated based on a review of U.S. Geological Survey topographic maps (1:24,000-scale), aerial photographs, the USFWS National Wetland Inventory database (USFWS 2022a), and the Natural Resource Conservation Service's Web Soil Survey (USDA 2022a).

3.2 Field Surveys

Dudek biologist Tracy Park conducted an initial reconnaissance-level field survey of the BSA to document biological resources and vegetation communities on November 11, 2021. On May 9, 2022, Dudek biologist Erin Bergman conducted a focused special-status plant survey and desert native plant survey. An aquatic resources jurisdictional delineation (Appendix A) was conducted by Dudek biologist Tracy Park on November 11, 2021. The purpose of the

aquatic resources jurisdictional delineation is to identify and map potential waters of the United States, including wetlands, under USACE jurisdiction pursuant to Section 404 of the federal CWA; under RWQCB jurisdiction pursuant to the Section 401 of the CWA and the Porter–Cologne Water Quality Control Act; and under CDFW jurisdiction pursuant to Section 1602 of the California Fish and Game Code. Additional field surveys included a focused western Joshua tree (*Yucca brevifolia*) mapping survey, and a protocol presence/absence survey for Mojave desert tortoise (*Gopherus agassizii*) (Appendix B) and Mohave ground squirrel (*Xerospermophilus mohavensis*) (Appendix C).

Table 1 lists the dates, focus, scope, conditions, and personnel for each survey. Photos of the Project site can be found in the specific survey reports.

Table 1. Survey Conditions

Date	Biologist	Type of Survey	Times	Weather Conditions
11/11/2021	T. Park	Biological Reconnaissance Survey; Aquatic Resources Delineation	9:58 AM–12:15 PM	71°F -72°F; 0% cloud cover; 1–5 mph wind
11/11/2021	K. Burritt; N. Stamm	Western Joshua Tree Mapping Survey	N.R.	N.R.
04/07/2022	K. Burritt; K. Ortiz	Western Joshua Tree Mapping Survey	N.R.	N.R.
04/19/2022	S. Greely	Desert Tortoise Protocol Survey	8:18 AM–3:24 PM	59°F–69°F; 0%–10% cloud cover; 1–27 mph wind
05/09/2022	E. Bergman	Special-Status Plant Survey and Desert Native Plant Survey	11:07 AM–4:57 PM	62°F–65°F; 20% - 40% cloud cover; 0–4 mph wind
03/2022–07/2022[1]	Dipodomys Ecological Consulting	Mohave Ground Squirrel Protocol Surveys	Varied[1]	Varied[1]

Notes: mph = miles per hour; N.R. = not recorded.

1 Survey conditions for the Mohave ground squirrel protocol surveys are provided in Appendix C.

3.2.1 Vegetation Community and Land Cover Mapping

Dudek biologists conducted vegetation mapping within the BSA on November 11, 2021. The survey date, biologist, and weather conditions are included in Table 1. Dudek biologists used CDFW's Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities (CDFW 2018) and California Natural Community List (CDFW 2021), also referred to as the Natural Communities List, based on A Manual of California Vegetation, Online Edition (CNPS 2022b), to map the entire BSA. These classification systems focus on a quantified, hierarchical approach that includes both floristic (plant species) and physiognomic (community structure and form) factors as currently observed (as opposed to predicting climax or successional stages). Vegetation communities and land covers were delineated to the vegetation alliance level and, where appropriate, the association level. Some modifications, such as the Preliminary Descriptions of the Terrestrial Natural Communities of California (Holland 1986; Oberbauer et al. 2008), were incorporated to accommodate the lack of conformity of the observed communities to those included in these references.

Vegetation mapping was conducted on foot to visually cover 100% of the BSA. Vegetation communities and land cover types were mapped in the field using an ESRI ArcGIS mobile application. Vegetation communities were

classified based on site factors, descriptions, distribution, and characteristic species present within an area. Information was recorded, including dominant species and associated cover classes, aspect, canopy height, and visible disturbance factors.

Minimum mapping units were established to standardize the scale and appropriate evaluation of stands, as recommended by CDFW (2020b). Mapping standards call for a minimum mapping unit of not greater than 10 acres for upland natural communities not considered sensitive, but usually 1 or 2 acres, and 0.25 acres for sensitive vegetation communities and wetland or riparian vegetation communities. Visible disturbance factors were also noted during vegetation mapping.

Following completion of the fieldwork, Dudek GIS analysts digitized the vegetation boundaries as delineated by the field biologists and created a GIS coverage for vegetation communities.

3.2.2 Flora

Latin and common names for plant species with a CRPR follow the CNPS Inventory (CNPS 2022a). For plant species without a CRPR, Latin names follow the Jepson Interchange List of Currently Accepted Names of Native and Naturalized Plants of California (Jepson Flora Project 2022), and common names follow the California Natural Community List (CDFW 2021) or the United States Department of Agriculture Natural Resources Conservation Service Plants Database (USDA 2022b). Plant species observed within the BSA are provided in Appendix D.

3.2.3 Fauna

All wildlife species detected during the field surveys by sight, vocalizations, burrows, tracks, scat, and other signs were recorded. The BSA was visually scanned with and without binoculars to identify wildlife. Latin and common names of animals follow Crother (2017) for reptiles and amphibians, American Ornithological Society (AOS 2018) for birds, and Wilson and Reeder (2005) for mammals. Wildlife species observed within the BSA are provided in Appendix E.

3.2.4 Special-Status and Regulated Resources

3.2.4.1 Special-Status Plant Survey

Based on the results of the literature review discussed in Section 3.1, six special-status plant species were determined to have a moderate potential to occur within the BSA based on known species distribution, species-specific habitat preferences, and habitat conditions on site: western Joshua tree (further discussed in Section 3.2.4.2), white-bracted spineflower (*Chorizanthe xanti* var. *leucotheca*), Mojave monkeyflower (*Diplacus mohavensis*), sagebrush loeflingia (*Loeflingia squarrosa* var. *artemisiarum*), short-joint beavertail (*Opuntia basilaris* var. *brachyclada*), and beaver dam breadroot (*Pediomelum castoreum*). Therefore, focused surveys were conducted for these species. In addition, focused surveys for desert native plants, in accordance with the CDNPA and Chapter 16.24 of the Hesperia Municipal Code, were conducted and are further discussed in Section 3.2.4.3.

Dudek biologists conducted a focused special-status plant survey within the BSA on May 9, 2022. The survey date, biologist, and weather conditions are included in Table 1. Field survey methods and mapping of rare plants conformed to CNPS's Botanical Survey Guidelines (CNPS 2001), Protocols for Surveying and Evaluating Impacts to

Special Status Native Populations and Natural Communities (CDFW 2018), and General Rare Plant Survey Guidelines (Cypher 2002). The surveys consisted of one survey pass in May that provided 100% coverage of the BSA. Western Joshua tree mapping within the BSA was conducted during a separate focused survey and is further discussed in Section 3.2.4.2, Western Joshua Tree Focused Survey.

Before conducting the surveys, Dudek botanists conducted reference population checks to ensure the focal special-status plant species were in bloom and identifiable. Reference checks were conducted for white-bracted spineflower on March 31, 2022, along the Lytle Creek upper terrace near Keenbrook Road west of I-15. This reference population check determined that the phenology for white-bracted spineflower was 98% vegetative and only 2% in bloom. Short-joint beavertail is a conspicuous stem succulent species that can be identified outside the blooming period, and therefore was not included in the 2022 reference check.

3.2.4.2 Western Joshua Tree Focused Survey

The California Fish and Game Commission determined that listing western Joshua tree as threatened or endangered under CESA may be warranted and is currently under review (CDFW 2020a). During the status review, western Joshua tree is protected under CESA as a candidate species.

Per the City's Protected Plants Policy, Dudek's International Society of Arboriculture (ISA) certified arborists performed a western Joshua tree survey to inventory and evaluate the health and relocation potential for each Joshua tree located on the Project site, in the off-site improvements area, and in a 186-foot buffer (Joshua Tree Inventory Survey Area). The western Joshua tree survey inventory and evaluation survey methods are provided in Appendix F. The inventory was conducted by ISA-certified arborists Noah Stamm and Katrina Burritt on November 11, 2021; Joshua tree phenological data was collected by Katrina Burritt and Kalie Ortiz on April 7, 2022 (Table 1). During the inventory, the GPS position of each Joshua tree found in the Joshua Tree Inventory Survey Area was recorded. Furthermore, the following attributes of each tree were collected:

- Species
- Diameter at standard height (4.5 feet above ground level)
- Height (feet)
- Spread (feet)
- Health (excellent, good, fair, poor, critical, and dead)[2]
- Number of branches
- Clonal status (clone or single trunk)

[2] **Health Rating Descriptions:**
Excellent. Tree has excellent health and strong vigor. No damage. Flowering and fruiting expected. Typically, only given to large, high-quality specimens (taller than 15 feet in height). Transplanting generally not recommended due to size.
Good. Tree has good health and vigor. All branches are alive and healthy. Damage is very localized and minimal. Flowering and fruiting likely, if tree is large enough. Tree is transplantable.
Fair. Tree health is average. Some stressors or damage possible, but any damage is minimal to moderate (e.g., rodent grazing, insect damage). No dead/broken branches. Tree is transplantable.
Poor. Tree is under stress, and overall health is in decline, or tree has taken significant damage. Mortality likely unless stressors relieved and/or conditions change. Broken/dead limbs likely present. Tree is generally not transplantable.
Critical. Tree is in extreme decline. One or more branches dead. One or more branches dying. Physical damage likely present. Damage is significant and extensive. Mortality expected within 2 to 4 years. Tree is not transplantable.
Dead. Tree is dead.

In addition to the general Joshua tree attributes that were collected, per CDFW, Dudek arborists collected the following phenological data for each Joshua tree found in the Joshua Tree Inventory Survey Area:

- Number of panicles
- New growth
- Leaves
- Flowers
- Open flowers
- Presence of fruit

All inventoried and assessed protected trees were tagged with an aluminum tag bearing a unique identification number, which was placed on the main trunk on the north side of each western Joshua tree. Tagging on the north side allows for proper orientation during relocation (each relocated western Joshua tree needs to be oriented in the same direction as it was in its original location).

3.2.4.3 Desert Native Plant Survey

On May 9, 2022, a desert native plant survey within the BSA was conducted in accordance with the CDNPA and Chapter 16.24 of the Hesperia Municipal Code. The survey date, biologist, and weather conditions are provided in Table 1. All of the desert native plant target species are conspicuous shrubs that would have been identifiable during the survey.

In accordance with the City of Hesperia's Municipal Code, Chapter 16.24, the following desert native plants were considered target species:

1. The following desert native plants with stems two inches or greater in diameter or six feet or greater in height:
   a. Dalea, Spinosa (smoketree);
   b. All species of the family Agavaceae (century plants, nolina, yuccas);
   c. All species of the genus Prosopis (mesquites).
2. Creosote rings, ten feet or greater in diameter.
3. All Joshua trees (mature and immature).

In accordance with the CDNPA, Chapter 3, the following desert native plants were target species:

(a) All species of the family Agavaceae (century plants, nolinas, yuccas).

(b) All species of the family Cactaceae (cacti), except for the plants listed in subdivisions (b) and (c) of Section 80072 which may be harvested under a permit obtained pursuant to that section.

(c) All species of the family Fouquieriaceae (ocotillo, candlewood).

(d) All species of the genus *Prosopis* (mesquites).

(e) All species of the genus *Cercidium* (palos verdes).

(f) *Acacia greggii* (catclaw).

(g) *Atriplex hymenelytra* (desert-holly).

(h) *Dalea spinosa* (smoke tree).

(i) *Olneya tesota* (desert ironwood), including both dead and live desert ironwood.

3.2.4.4 Desert Tortoise Protocol-Level Survey

On April 2, 1990, the Mojave population of the desert tortoise was listed by USFWS as threatened (55 FR 12178-12191). Proposed actions within the range of desert tortoise fall under purview of FESA. Because the Project lies within the range of desert tortoise (CDFW 2022c) and in the Western Recovery Unit (USFWS 2011), Dudek biologists conducted focused surveys for desert tortoise to determine the status of the species in the BSA. To evaluate the impacts to desert tortoise, protocol surveys were conducted in accordance with the USFWS Pre-Project Field Survey Protocol for Potential Desert Tortoise, included in Preparing for any Action That May Occur Within the Range of the Mojave Desert Tortoise (*Gopherus agassizii*) (USFWS 2010). Following the protocol, Dudek biologists conducted surveys during May, one of the two periods when desert tortoises are most active. Biologists surveyed the BSA by walking approximately 10-meter-wide transects for 100% coverage of the BSA.

3.2.4.5 Mohave Ground Squirrel Protocol Survey

Dipodomys Ecological Consulting biologists conducted an initial Mohave ground squirrel visual survey in March 2022. The visual survey was conducted using methods described within the 2003 California Department of Fish and Game Mohave Ground Squirrel Survey Guidelines (CDFG 2003). Field methods are described in detail in Appendix C. Following an initial visual survey, three 5-day live trapping surveys for Mohave ground squirrel were conducted between March 23 and July 14, 2022. The methods used for this trapping effort followed the most recent Mohave Ground Squirrel Survey Guidelines, issued in 2003, with minor modifications in 2010 (CDFG 2003). Camera trappings consisted of three camera stations in locations designated by CDFW; methods are described in detail in Appendix C.

3.2.4.6 Aquatic Resources Delineation

Before conducting fieldwork for the aquatic resources delineation, Dudek reviewed aerial maps from the National Wetlands Inventory (USFWS 2022a), the National Hydrography database (USGS 2022), and the Natural Resource Conservation Service (USDA 2022a, 2022b), and historic aerials and topographic maps (Google 2022; Historic Aerials Online 2022). Dudek biologist Tracy Park conducted an aquatic resources delineation field visit on November 11, 2021. The survey date, biologist, and weather conditions are included in Table 1. Survey datasheets and forms are included in the Aquatic Resources Delineation Report, provided in Appendix A. The surveys were conducted on foot to visually cover 100% of the BSA.

Dudek conducted a delineation of state and federal jurisdictional waters and wetlands within the BSA in accordance with current policies. Federal wetlands were mapped based on the procedures in USACE's 1987 Corps of Engineers Wetlands Delineation Manual (USACE 1987) and its 2008 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0) (USACE 2008a). Non-wetland waters were mapped at the OHWM based on the procedures defined in USACE's 2008 A Field Guide to Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States (USACE 2008b). Waters of the state were mapped in accordance with the State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State, adopted on April 2, 2019. CDFW jurisdictional areas were mapped to include the bank of the stream/channel and outer dripline of adjacent riparian vegetation, as set forth under California Fish and Game Code Section 1602.

To aid in the delineation and in conformance with the USACE 2008 Field Guide, two OHWM datasheets (T-1 and T-2) were recorded at potential non-wetland waters within the BSA to determine the OHWM indicators within those features. OHWM datasheets are included in Appendix F of Appendix A. The jurisdictional delineation did not contain

any features that met the State Water Resources Control Board wetland criteria, and due to the lack of hydrophytic vegetation and hydric soils, wetland determination data forms were not completed.

The limits of aquatic resources were collected in the field using a Trimble GeoXT GPS unit or ESRI Collector mobile application with sub-meter accuracy. The geographic extents were digitized in GIS based on the GPS data and data collected directly onto field maps into a Project-specific GIS using ArcGIS software.

3.2.5 Survey Limitations

Limitations of the surveys include a diurnal bias and the absence of trapping for reptiles, amphibians, and small mammals at night. The surveys were conducted during the daytime to maximize the detection of most wildlife. Most birds are active in the daytime, so diurnal surveys maximize the number of bird observations. Conversely, diurnal surveys usually result in few observations of mammals, many of which may only be active at night. In addition, many species of reptiles and amphibians are secretive in their habits and are difficult to observe using standard meandering transects.

The average rainfall in 2022 was below average, which has potential to limit the growth of flora. However, initial botanical reference surveys were conducted prior to focused sensitive plant surveys, and therefore conditions were monitored prior to collecting data. Surveys for sensitive plant species adequately covered flora that are known to bloom within the vicinity.

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4 Environmental Setting

The purpose of this chapter is to describe the general existing conditions within and adjacent to the BSA to document the baseline conditions for this report and subsequent analysis.

4.1 Climate

The BSA is located in the Victor Valley/High Desert region in western San Bernardino County. Average annual temperatures range from 44°F to 81°F. The average annual precipitation is 6.72 inches (WRCC 2022). Periods of extended drought are common throughout the region.

4.2 Geology and Topography

The BSA is composed of one vacant site separated by Mesa Linda Street and an undeveloped property. The BSA is subject to disturbance as a result of illegal dumping and trespassing. These unpermitted activities have led to areas of exposed bare soils (where trails have formed) and several debris piles. The BSA's surface elevation ranges from approximately 3,600 to 3,630 feet above mean sea level (amsl). The BSA and immediate surrounding area is relatively flat with a slight slope from the southwestern to northeastern corner. The BSA is located 7.5 miles north of Cleghorn Mountain, which occurs above Cajon Pass that divides the San Gabriel Mountains from the San Bernardino Mountains.

4.3 Soils

According to the U.S. Department of Agriculture Natural Resource Conservation Service's Web Soil Survey (USDA 2022a), the BSA occurs within the San Bernardino County, Mojave River Area (CA671). The BSA consists of one soil type: Hesperia loamy fine sand (2% to 5% slopes). This soil type is described in more detail below.

Hesperia Series consists of very deep, well-drained soils that formed in alluvium derived primarily from granite and related rocks. Hesperia soils are on alluvial fans, valley plains, and stream terraces at elevations of 200 to 4,800 feet amsl. These soils have low runoff and moderately rapid permeability. Creosote bush and annual grasses and forbs are common vegetation found on these soils.

4.4 Surrounding Land Uses

The BSA is currently vacant undeveloped property bound to the west by Lassen Road, to the east by Mesa Linda Street, and to the south by Poplar Street. The BSA is located within the Main Street and Freeway Corridor Specific Plan. According to the Main Street and Freeway Corridor Specific Plan, the BSA is located within the Highway 395/Interstate 15 District, and the land use and zoning designations for the BSA are Commercial/Industrial Business Park (CIBP) (City of Hesperia 2010, 2021).

Land uses surrounding the BSA primarily consist of vacant land, along with some scattered residential, commercial, light industrial, and utility uses. Specific land uses located in the immediate vicinity of the BSA include the following:

- North: Vacant land and scattered commercial, light industrial, and residential uses
- East: Commercial uses and I-15

- **South:** Vacant land, scattered commercial, and I-15
- **West:** Vacant land, U.S. Highway 395, and scattered commercial and light industrial

4.5 Watersheds and Hydrology

The BSA is within the Mojave Subbasin Hydrologic Unit Code (HUC) 8 (18090208), Bell Mountain Wash-Mojave River HUC 10 (1809020807), and Oro Grande Wash HUC 12 (180902080704) watersheds. The Mojave Subbasin HUC 8 watershed is approximately 4,618 square miles and consists of several waterbodies, waterways, dry washes, and valleys (UCD SIG 2021). The Mojave River is approximately 8.5 miles to the east. The Oro Grande Wash is a tributary to the Mojave River and is located approximately 0.25 miles west of the BSA, and the California Aqueduct is 1 mile to the north (USGS 2022).

5 Results

This chapter describes the results of the literature review, field surveys, and habitat assessments within the BSA.

5.1 Vegetation Communities and Land Covers

Six vegetation communities or land cover types were mapped within the BSA (Table 2). The spatial distribution of the vegetation communities and land covers are presented in Figure 4. The Off-Site Improvement Area includes Mesa Linda Street, Lassen Street, and Poplar Street.

Table 2. Existing Vegetation Communities, Floristic Alliances and Associations, and Land Cover Types within the Biological Survey Area

Floristic Alliance	Association	Vegetation Community[1]	Project Site (Acres)	Off-Site Area (Acres)	100-Foot Buffer (Acres)	Total BSA (Acres)[2]
Ericameria nauseosa	*Ericameria nauseosa*	Rubber rabbitbrush scrub	3.05	0.14	0.34	3.54
Yucca brevifolia	N/A	Joshua tree woodland	1.49	0.03	0.77	2.28
Brassica nigra	*Brassica nigra*	Upland mustards	0.39	1.07	0.07	1.52
N/A	N/A	Disturbed habitat	0.05	0.22	0.13	0.40
Avena spp. – *Bromus* spp. Herbaceous Semi-Natural	Wild oats and annual brome grasslands	Non-native grassland	12.86	1.36	4.73	18.94
N/A	N/A	Urban/Developed	—	2.25	0.25	2.50
		Total[2]	**17.84**	**5.06**	**6.28**	**29.18**

Notes: BSA = biological survey area; N/A = not applicable

1 The spatial distribution of the vegetation communities and land covers is presented in Figure 4.

2 Total acreages may not sum exactly due to rounding.

CDFW rankings of 1, 2, or 3 are considered high priority for inventory or special status, and impacts to these communities typically require mitigation. One vegetation community, Joshua tree woodland, has a CDFW ranking of 3.2 and is considered special status.

5.1.1 Rubber Rabbitbrush Scrub

Rubber rabbitbrush scrub, or *Ericameria nauseosa shrubland* alliance, is recognized by the Natural Communities List, and the community includes rubber rabbitbrush (*Ericameria nauseosa*) as the dominant or codominant species in the shrub canopy, with a sparse or grassy herbaceous layer (CNPS 2022b). Rubber rabbitbrush scrub has an open to continuous shrub canopy of less than 3 meters (9 feet) in height (CNPS 2022b). This alliance consists of at least 2% absolute cover of rubber rabbitbrush or more than 25% relative cover in the shrub canopy (CNPS 2022b). Rubber rabbitbrush scrub occurs in disturbed settings on well-drain sands and gravels (CNPS 2022b).

Rubber rabbitbrush scrub occurs north of Poplar Street along the southern boundary and within the central portions of the BSA. This community is dominated by rubber rabbitbrush.

The rubber rabbitbrush scrub alliance is ranked as S5 and therefore is not considered a sensitive biological resource by CDFW under CEQA (CDFW 2021).

5.1.2 Joshua Tree Woodland

Joshua tree woodland, or *Yucca brevifo*lia alliance, is recognized by the Natural Communities List, and the community includes western Joshua tree as an emergent small tree over a shrub or grass layer (CNPS 2022b). Joshua tree woodland has an open to intermittent tree canopy less than 14 meters (45 feet) in height, and an open to intermittent shrub and herbaceous layer with perennial grasses and seasonal annuals (CNPS 2022b). This alliance consists of Joshua trees evenly distributed of at least 1% cover, with *Juniperus* and/or *Pinus* spp. of at least more than 1% absolute cover in the tree canopy (CNPS 2022b). Joshua tree woodland alliance occurs on gentle alluvial fans, ridges, and gentle to moderate slopes. Joshua tree woodland may occupy coarse sands, very fine silts, gravel, or sandy loams (CNPS 2022b).

Joshua tree woodland occurs within the western portion of the BSA, west of Lassen Street. In addition, there are portions of the eastern BSA where individual Joshua trees are located; however, these areas do not meet the minimum requirement of 1% cover, and therefore were not mapped as Joshua tree woodland alliance.

Joshua tree woodland alliance is ranked as S3.2 and is considered a sensitive biological resource by CDFW under CEQA (CDFW 2021).

5.1.3 Upland Mustards

The upland mustards and other ruderal forbs alliance features black mustard (*Brassica nigra*), shortpod mustard (*Hirschfeldia incana*), Maltese star-thistle (*Centaurea melitensis*), or yellow star-thistle (*Centaurea solstitialis*), among other similar ruderal forbs, as the dominant species in the herbaceous layer. Per alliance membership rules, black mustard and shortpod mustard or other mustards must make up more than 80% of the relative cover, along with other non-native plant species. Communities within this alliance can grow in an open to continuous layer under 3 meters (10 feet) in height. Emergent shrubs may be present but at low cover. Upland mustards and other ruderal forbs occur in fallow fields, grasslands, roadsides, levee slopes, disturbed coastal scrub, riparian areas, and generally within disturbed areas under 1,500 meters (4,921 feet) amsl (CNPS 2022b).

Upland mustards occur in one patch immediately north of Poplar Street, within the southern portions of the BSA. This community is dominated by shortpod mustard, ripgut brome (*Bromus diandrus*), red brome (*Bromus rubens*), and common Mediterranean grass (*Schismus barbatus*), with a low cover of redstem stork's bill (*Erodium cicutarium*).

The upland mustards and other ruderal forbs semi-natural alliance is not ranked by CDFW (2021), and therefore is not considered a sensitive biological resource by CDFW under CEQA (CDFW 2021).

5.1.4 Disturbed Habitat

Although not recognized by the California Natural Communities List (CDFW 2021), disturbed habitat refers to areas that have had physical anthropogenic disturbance and, as a result, cannot be identified as a native or naturalized

vegetation association. However, these areas do have a recognizable soil substrate. If vegetation is present, it is almost entirely composed of non-native vegetation, such as ornamentals or ruderal exotic species.

Within the BSA, disturbed habitat includes the existing dirt roads, including Lassen Street within the western portion of the BSA, and an unnamed dirt road located within the southeastern portion of the BSA. These roads are commonly used by hikers and vehicles.

Disturbed habitat is not considered a sensitive biological resource by CDFW under CEQA (CDFW 2021).

5.1.5 Non-Native Grassland

Non-native grassland, or *Avena* spp. - *Bromus* spp. herbaceous semi-natural alliance, is recognized by the Natural Communities List, and the community includes wild oats (*Avena* spp.) and annual brome (*Bromus* spp.) as the dominant or co-dominant species, along with other non-natives in the herbaceous layer (CNPS 2022b). Non-native grassland has an open to continuous herbaceous cover of less than 1.2 meters (4 feet) in height (CNPS 2022b). Non-native grassland occurs in foothills, waste places, rangelands, and opening in woodlands (CNPS 2022b).

Non-native grassland is the largest community found within the BSA, and occurs throughout the site. It is co-dominated by a mix of non-native grasses, including ripgut brome, red brome, soft brome (*Bromus hordeaceus*), cheatgrass (*Bromus tectorum*), and common Mediterranean grass, with a low cover of redstem stork's bill.

Non-native grassland is not considered a sensitive biological resource by CDFW under CEQA (CDFW 2021).

5.1.6 Urban/Developed Land

Although not recognized by the Natural Communities List (CDFW 2021), urban/developed land represents areas that have been constructed upon or otherwise physically altered to an extent that native vegetation communities are not supported. This land cover type generally consists of semi-permanent structures, homes, parking lots, pavement or hardscape, and landscaped areas that require maintenance and irrigation (e.g., ornamental greenbelts). Typically, this land cover type is unvegetated or supports a variety of ornamental plants and landscaping.

Within the BSA, urban/developed land consists of the paved roads: Poplar Street running east/west along the southern boundary, and Mesa Linda Street continuing north/south through the eastern portion of the BSA.

Urban/Developed is not considered a sensitive biological resource by CDFW under CEQA (CDFW 2021).

5.2 Plants and Wildlife Observed

5.2.1 Plants

A total of 48 species of native or naturalized plants, 36 native (75%) and 12 non-native (25%), were recorded within the BSA. A full list of plant species observed is provided in Appendix D, Plant Compendium. In addition to those species observed by Dudek biologists, Dipodomys Ecological Consulting biologists observed the following plant species: bristly fiddleneck (*Amsinckia tessellata*), compact brome (*Bromus madritensis*), bluedicks (*Dipterostemon capitatus*), California goldfields (*Lasthenia californica*), and Mojave cottonthorn (*Tetradymia stenolepis*) (Appendix C).

5.2.2 Wildlife

A total of 17 wildlife species, consisting of 16 native species (94%) and one non-native species (6%), were recorded within the BSA or vicinity during surveys (Appendix E). Birds detected on or in the immediate vicinity of the BSA included house finch (*Haemorhous mexicanus*), common raven (*Corvus corax*), horned lark (*Eremophila alpestris*), house sparrow (*Passer domesticus*), phainopepla (*Phainopepla nitens*), mountain bluebird (*Sialia currucoides*), yellow-rumped warbler (*Setophaga coronata*), cactus wren (*Campylorhynchus brunneicapillus*), and white-crowned sparrow (*Zonotrichia leucophrys*). Mammals detected included coyote (*Canis latrans*), black-tailed jackrabbit (*Lepus californicus*), and desert cottontail (*Sylvilagus audubonii*). One reptile was detected: common side-blotched lizard (*Uta stansburiana*). In addition to those species observed by Dudek biologists, Dipodomys Ecological Consulting biologists observed the following mammal species: California ground squirrel (*Otospermophilus beecheyi*), white-tailed antelope ground squirrel (*Otospermophilus beecheyi*), and Panamint kangaroo rat (*Dipodomys panamintinus*), and one additional reptile species: tiger whiptail (*Aspidoscelis tigris*) (Appendix C).

5.3 Special-Status and Regulated Resources

Appendix G and Appendix H provide tables of all special-status species with geographic ranges that fall within the general BSA vicinity. Special-status species' potential to occur within the BSA were evaluated based on known species distribution, species-specific habitat preferences, and Dudek biologists' knowledge of regional biological resources. Species potentially occurring within the BSA are identified as having moderate or high potential to occur based on habitat conditions on site, and species for which there is little or no suitable habitat are identified as not expected to occur or having low potential to occur.

5.3.1 Special-Status Plants

Special-status plants include those listed, or candidates for listing, as threatened or endangered by USFWS and CDFW, and species identified as rare by CNPS (particularly CRPR 1A, presumed extinct in California; CRPR 1B, rare, threatened, or endangered throughout its range; and CRPR 2, rare or endangered in California, more common elsewhere).

Dudek biologists performed an extensive desktop review of literature, existing documentation, and GIS data to evaluate the potential for special-status plant species to occur within the BSA. Each special-status plant species was assigned a rating of "not expected," "low," "moderate," or "high" potential to occur based on relative location to known occurrences, vegetation community, soil, and elevation. Based on the results of the literature review and database searches, 28 special-status plant species were identified as potentially occurring within the region of the BSA, and six species were determined to have at least a moderate potential to occur within the BSA: western Joshua tree, white-bracted spineflower, Mojave monkeyflower, sagebrush loeflingia, short-joint beavertail, and beaver dam breadroot. Therefore, a focused survey for these species was conducted on May 9, 2022, as discussed in Section 3.2.4.1, Special-Status Plan Survey. No additional special-status plant species were determined to have a moderate or high potential to occur within the BSA based on the soils; vegetation communities (habitat) present; elevation range; and previous known locations based on the CNDDB, USFWS Information for Planning and Conservation database, and CNPS Inventory (Appendix G).

One special-status plant species, western Joshua tree, was observed within the BSA and is further discussed in Section 5.3.2, Western Joshua Tree. No other listed or non-listed CRPR 1 or CRPR 2 plants were observed during the focused surveys conducted on May 9, 2022.

Details on western Joshua tree are provided in Table 3.

Table 3. Special-Status Plant Species Observed or with Moderate or High Potential to Occur within the Biological Survey Area

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations / Life Form / Blooming Period / Elevation Range (feet)	Potential to Occur
Yucca brevifolia	western Joshua tree	None/SC/None	Great Basin grassland, Great Basin scrub, Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland, Sonoran desert scrub, valley and foothill grassland/perennial leaf succulent/Apr–May/1,310–6,560	Observed. This species was observed within the BSA.

Status Designations
SC: State listed candidate species
Note: CRPR = California Rare Plant Rank; BSA = biological survey area

5.3.2 Western Joshua Tree

Western Joshua tree is a California State Candidate for Listing. Western Joshua tree is a monocot tree in the asparagus family (*Agavaceae*) that occurs within Joshua tree woodland, Great Basin grassland and scrub, Mojavean desert scrub, pinyon and juniper woodland, Sonoran desert scrub, and valley and foothill grassland. This species occurs in San Bernardino County and other southern and eastern counties in California from 1,310 to 6,560 feet amsl (CNPS 2022b). This species typically blooms in April and May.

A total of 32 western Joshua tree individuals were observed in the western and northern portions of the BSA within Joshua tree woodland, rubber rabbitbrush scrub, and non-native grassland (Figure 4).

5.3.3 Desert Native Plants

No desert native plant species, except for western Joshua tree, were observed within the BSA during the focused desert native plant survey (Figure 4).

5.3.4 Special-Status Wildlife

Special-status wildlife include those listed, or candidates for listing, as threatened or endangered by USFWS and CDFW, and those designated as Species of Special Concern by CDFW and as sensitive by USFWS.

Similar to special-status plants, Dudek biologists performed an extensive desktop review of literature, existing documentation, and GIS data to evaluate the potential for special-status wildlife species to occur within the BSA. Each special-status wildlife species was assigned a rating of “not expected,” “low,” “moderate,” or “high” potential to occur based on relative location to known occurrences and vegetation community/habitat association. Based on the results of the literature review and database searches, 42 special-status wildlife species were reported in the CNDDB and USFWS databases as occurring in the vicinity of the BSA. Of these, two wildlife species were determined to have at least a moderate potential to occur within the BSA based on habitat present and previous known

locations in the CNDDB (CDFW 2022c) and USFWS Information for Planning and Conservation database (USFWS 2022b): burrowing owl (*Athene cunicularia*) and loggerhead shrike (*Lanius ludovicianus*). The details of these species are presented in Table 4.

Table 4. Special-Status Wildlife Species Observed or with Moderate or High Potential to Occur within the Biological Survey Area

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Athene cunicularia (burrow sites and some wintering sites)	burrowing owl	BCC/SSC	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	Moderate potential to occur. The biological survey area (BSA) contains flat, open scrub habitat that could support this species. Although an official burrow survey was not conducted, one potentially suitable burrow was noted during the focused protocol desert tortoise survey. The nearest California Natural Diversity Database (CNDDB) occurrence is from 1989 and located approximately 0.75 miles southwest (CDFW 2022c). Several more recent occurrences have been documented within 5 miles north of the BSA.
*Lanius ludovicianus (*nesting)	loggerhead shrike	BCC/SSC	Nests and forages in open habitats with scattered shrubs, trees, or other perches	Moderate potential to occur. The BSA contains open habitat that contains tall shrubs (e.g., Joshua tree, California juniper) that can be used for perching and nesting. The nearest CNDDB occurrence is from 2007 and located approximately 3 miles north (CDFW 2022).

Status Designations:
BCC: U.S. Fish and Wildlife Service Bird of Conservation Concern
SSC: California Species of Special Concern

Protocol surveys for desert tortoise and Mohave ground squirrel were negative. Although desert kit fox (*Vulpes macrotis arsipus*) and American badger (*Taxidea taxus*) are not expected to occur within the BSA, in an abundance of caution, these species were also included and analyzed. These species, in addition to burrowing owl and loggerhead shrike, are detailed in the following discussion.

Burrowing Owl

Burrowing owl is a USFWS Bird of Conservation Concern and a California Species of Special Concern. With a relatively wide-ranging distribution throughout the west, burrowing owls are considered to be habitat generalists (Lantz et al. 2004). In California, burrowing owls are yearlong residents of open, dry grassland and desert habitats, and in grass, forb, and open shrub stages of pinyon-juniper and ponderosa pine habitats (Zeiner et al. 1990). Preferred habitat is generally typified by short, sparse vegetation with few shrubs, level to gentle topography, and well-drained soils (Haug et al. 1993).

The presence of burrows is the most essential component of burrowing owl habitat because they are required for nesting, roosting, cover, and caching prey (Coulombe 1971; Martin 1973; Green and Anthony 1989; Haug et al. 1993). In California, western burrowing owls most commonly live in burrows created by California ground squirrels (*Spermophilus beecheyi*). Burrowing owls may occur in human-altered landscapes, such as agricultural areas, ruderal grassy fields, vacant lots, and pastures, if the vegetation structure is suitable (i.e., open and sparse), useable burrows are available, and foraging habitat occurs in close proximity (Gervais et al. 2008). Debris piles, riprap, culverts, and pipes can be used for nesting and roosting.

Burrowing owl has moderate potential to occur within the BSA.

Loggerhead Shrike

Loggerhead shrike is a USFWS Bird of Conservation Concern and a California Species of Special Concern. It is widespread throughout the United States, Mexico, and portions of Canada (Humple 2008). The species is a yearlong resident in most of the United States, including from California east to Virginia and south to Florida, and in Mexico. In California, although shrikes are widespread at the lower elevations in the state, the largest breeding populations are located in portions of the Central Valley, the Coast Ranges, and the southeastern deserts (Humple 2008).

Preferred habitats for loggerhead shrike is open areas that include scattered shrubs, trees, posts, fences, utility lines, or other structures that provide hunting perches with views of open ground, as well as nearby spiny vegetation or human-made structures (such as the top of chain-link fences or barbed wire) that provide a location to impale prey upon for storage or manipulation (Humple 2008). Loggerhead shrikes occur most frequently in riparian areas along woodland edges, grasslands with sufficient perch and butcher sites, scrublands, and open canopied woodlands, although they can be quite common in agricultural and grazing areas, and can sometimes be found in mowed roadsides, cemeteries, and golf courses. Loggerhead shrikes occur only rarely in heavily urbanized areas. For nesting, the height of shrubs and presence of canopy cover are most important (Yosef 1996).

Loggerhead shrike has moderate potential to occur within the BSA.

Desert Tortoise

Desert tortoise is a federally and state-listed threatened species. The range of the Mojave population includes portions of the Mojave Desert and the Colorado Desert in Southern California (parts of Inyo, Kern, Los Angeles, San Bernardino, and Riverside Counties), southern Nevada (Clark, Esmeralda, Nye, and Lincoln Counties), northwestern Arizona (Mohave County), and southwestern Utah (Washington County).

The typical habitat for desert tortoise in the Mojave Desert is creosote bush scrub where precipitation ranges from 2 to 8 inches, with relatively high diversity of perennial plants and high productivity of ephemeral plants. Throughout most of the Mojave Desert, desert tortoises occur most commonly on gently sloping terrain with sandy gravel soils and where there is sparse cover of low-growing shrubs, which allows for the establishment of herbaceous plants. Soils must be friable enough for digging burrows, but firm enough so that burrows do not collapse (USFWS 2008). Although populations of desert tortoise are not generally known to inhabit elevations much higher than 4,000 feet amsl, they occur from below sea level to an elevation of 7,300 feet amsl. Occupied habitat varies from flats and slopes dominated by creosote bush scrub at low elevations, to rocky slopes in blackbrush and juniper woodland ecotones at higher elevations (USFWS 2008).

Desert tortoise was not observed during 2022 focused protocol surveys.

Mohave Ground Squirrel

Mohave ground squirrel is a State of California threatened species. This species' distribution range is restricted to the Mojave Desert in San Bernardino, Los Angeles, Kern, and Inyo Counties (Zeiner et al. 1990). Mohave ground squirrels generally inhabit areas where the soil is friable and sandy or gravelly. Mohave ground squirrels occur in desert scrub habitats dominated by creosote bush and desert saltbush scrub at elevations from 1,800 to 5,000 feet amsl.

Mohave ground squirrel was not observed during 2022 focused protocol surveys.

American Badger and Desert Kit Fox

American badger is a California Species of Special Concern. Desert kit fox is considered a "fur-bearing mammal," protected from take under the California Fish and Game Commission's Mammal Hunting Regulations (Subdivision 2, Chapter 5), which effectively protects it from hunting pressure. Desert kit fox is not listed by USFWS or CDFW under any special-status designation. Desert kit fox lives in the open desert, on creosote bush flats, and amongst sand dunes, and American badgers prefer open scrub or grassy areas (NPS 2015; USGS 2020). The BSA includes Joshua tree woodland, but lacks creosote bush flats, sand dunes, or larger areas of open scrub or grassy areas. Thus, American badger is not expected to occur within the BSA due to a lack of suitable vegetation to support this species. Desert kit fox is not expected to occur within the BSA due to the surrounding areas that are conducive to stray dogs that further limit the potential for this species to occur. The BSA is not expected to support either desert kit fox or American badger. Furthermore, no desert kit fox or American badger individuals (or sign) were observed during desert tortoise or Mohave ground squirrel surveys, or incidentally observed during other focused surveys conducted within the BSA.

Notwithstanding, in an abundance of caution and to ensure that potential impacts to these species are less than significant, these species are analyzed.

5.3.5 Potential Aquatic Resources

The Jurisdictional Aquatic Resources Delineation identified one ephemeral drainage within the BSA (Appendix A). The results of the jurisdictional delineation concluded there is approximately 0.06 acres (396 linear feet) of jurisdictional aquatic resources within the BSA (Figure 5, Jurisdictional Delineation). Of that total, all 0.06 acres is non-wetland waters of the state under RWQCB jurisdiction, and streambeds under CDFW jurisdiction. This feature is not likely subject to USACE jurisdiction because this feature is isolated and does not meet the relatively permanent or significant nexus standard as a waters of the United States.

The BSA also included a swale south of Poplar Street in the southern portion of the BSA. The swale appears to have been developed to collect seasonal precipitation, but lacked a defined bed and bank, OHWM, established hydrophytic vegetation, or indicators of hydric soil. This topographical feature would not constitute jurisdictional resources regulated by CDFW and/or RWQCB.

5.4 Wildlife Corridors and Habitat Linkages

Wildlife corridors are linear features that connect large patches of natural open space and provide avenues for the migration of animals. Wildlife corridors contribute to population viability by ensuring continual exchange of genes

between populations, providing access to adjacent habitat areas for foraging and mating, and providing routes for recolonization of habitat after local extirpation or ecological catastrophes (e.g., fires).

Habitat linkages are small patches that join larger blocks of habitat and help reduce the adverse effects of habitat fragmentation. Habitat linkages provide a potential route for gene flow and long-term dispersal of plants and animals, and may also serve as primary habitat for smaller animals, such as reptiles and amphibians. Habitat linkages may be continuous habitat or discrete habitat islands that function as steppingstones for dispersal.

The Project site is located in an area of encroaching development and is regionally isolated by U.S. Highway 395 to the west and I-15 to the east. All terrestrial species' movement is hindered by I-15 and U.S. Highway 395, and, to a lesser degree, surface streets and paved roads, including Poplar Street running east/west along the southern boundary, and Mesa Linda Street continuing north/south along the eastern boundary of the BSA. As a result, the BSA does not provide for regional wildlife movement or serve as a regional wildlife corridor. However, on a local level, wildlife may move across the site when migrating or foraging/hunting. Because the BSA does not provide for regional wildlife movement or serve as a regional wildlife corridor, the Project is not expected to contribute to the impediment of local or seasonal movement of wildlife through the surrounding habitat.

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6 Project Impacts

This chapter addresses direct and indirect impacts to biological resources that would result from implementation of the Project. The significance determinations for proposed or potential impacts are described, and proposed mitigation is provided in Chapter 7, Significant Impacts and Mitigation. Cumulative impacts are addressed in the Project's environmental impact report (City of Hesperia, In Progress).

Direct impacts refer to complete loss of a biological resource. For purposes of this report, it refers to the area where vegetation clearing, grubbing, or grading replaces biological resources. Direct impacts were quantified by overlaying the proposed impact limits on the biological resources map of the BSA. Direct impacts would occur from construction of an industrial/warehouse building and associated off-site improvements.

Indirect impacts are reasonably foreseeable effects caused by a project's implementation on remaining or adjacent biological resources outside the direct disturbance zone. For purposes of this report, indirect impacts may affect areas outside of the disturbance area. Indirect impacts may be short-term and construction-related, or long-term and associated with development in proximity to biological resources.

Cumulative impacts refer to the combined environmental effects of a project and other relevant projects. These impacts may be minor when analyzed individually, but become collectively significant as they occur over time. Cumulative impacts are addressed in the Project's environmental impact report (City of Hesperia, In Progress).

The evaluation of Project impacts is organized by the resource potentially affected: riparian and sensitive vegetation communities (special-status vegetation communities), special-status species, jurisdictional waters and wetlands, and wildlife movement.

6.1 Impacts to Sensitive Vegetation Communities

6.1.1 Direct Impacts

A total of 22.90 acres, including 17.84 acres within the Project site and 5.06 acres within the Off-Site Improvement Area, would be permanently impacted from the Project (Figure 6, Impacts to Biological Resources). Table 5 summarizes permanent direct impacts to vegetation communities and land covers within the BSA. As stated in Section 5.1, Vegetation Communities and Land Covers, CDFW state rankings of 1, 2, or 3 are considered high priority for inventory or special status, and impacts to these communities typically require mitigation. Joshua tree woodland is considered a sensitive biological resource by CDFW under CEQA.

All ground-disturbing activities, even areas temporarily impacted, are considered permanent impacts to Joshua tree woodland. The Project would result in permanent impacts to 1.52 acres of Joshua tree woodland, which would be a significant impact under CEQA, absent mitigation.

The Project would also result in permanent impacts to 21.39 acres of vegetation communities and land cover types that are not considered sensitive by CDFW, including upland mustards, rubber rabbitbrush scrub, disturbed habitat, non-native grassland, and urban/developed lands. Therefore, these direct impacts would be less than significant under CEQA.

Table 5. Impacts to Vegetation Communities and Land Cover Types within the BSA

Floristic Alliance	Association	Vegetation Community	Total Existing BSA (Acres)	On-Site Permanent Impacts (Acres)	Off-Site Permanent Impacts Areas (Acres)	Total Permanent Impacts (Acres)
Ericameria nauseosa	*Ericameria nauseosa*	Rubber rabbitbrush scrub	3.54	3.05	0.14	3.20
Yucca brevifolia	N/A	Joshua tree woodland	2.28	1.49	0.03	1.52
Brassica nigra	*Brassica nigra*	Upland mustards	1.52	0.39	1.07	1.46
N/A	N/A	Disturbed habitat	0.40	0.05	0.22	0.27
Avena spp. – *Bromus* spp. Herbaceous Semi-Natural	Wild oats and annual brome grasslands	Non-native grassland	18.94	12.86	1.36	14.22
N/A	N/A	Urban/Developed	2.50	—	2.25	2.25
		Total[1]	**29.18**	**17.84**	**5.06**	**22.90**

Notes: BSA = biological survey area; N/A = not applicable
[1] Total acreages may not sum exactly due to rounding.

6.1.2 Indirect Impacts

Construction-related indirect impacts may include inadvertent spillover impacts outside of the construction footprint, dust accumulation on Joshua tree woodland, chemical spills, stormwater erosion and sedimentation, and increased wildfire risk. Potential long-term (post-construction) indirect impacts from operation and maintenance activities may include effects of herbicides, changes in water quality, increased wildfire risk, induced demand on the surrounding area, increased traffic and vehicle emissions, and accidental chemical spills. Indirect impacts to Joshua woodland would be significant absent mitigation.

6.2 Impacts to Special-Status Plants

6.2.1 Direct Impacts

No non-listed special-status plant species were observed or have high or moderate potential to occur within the BSA; therefore, the Project would have no direct or indirect impacts to non-listed special-status plant species. One listed special-status plant species was observed within the BSA: western Joshua tree.

Western Joshua Tree

Western Joshua tree, a candidate for state listing under CESA, was observed and would be directly impacted by the Project. Based on the site plan, implementation of the Project would result in direct impacts to 16 western Joshua tree individuals. All ground-disturbing activities, even areas temporarily impacted, are considered permanent impacts to western Joshua trees. Direct impacts to western Joshua trees would be significant absent mitigation under CEQA.

Based on a literature review completed by CDFW (Vander Wall et al. 2006), CDFW would like the western Joshua tree locations to be buffered by 186 feet to account for the impacts to the seed bank for western Joshua trees and their associated habitat. Therefore, a 186-foot buffer (or radius) was applied to each western Joshua tree location. Direct impacts to this 186-foot buffer were analyzed, and the Project would result in 10.9 acres of impacts to western Joshua trees, their seed bank, and their associated habitat.

6.2.2 Indirect Impacts

Any western Joshua tree within 186 feet of the direct impact footprint would be considered indirectly impacted (Vander Wall et al. 2006). Thus, although these 16 western Joshua trees would be directly avoided, CDFW would consider these trees to be indirectly impacted due to loss of seedbank and associated species.

Potential construction- and operation-related indirect impacts to western Joshua tree individuals would be the same as the indirect impacts to Joshua woodland, as described under Section 6.1.2, Indirect Impacts.

With the incorporation of mitigation, and with adherence to both the CDNPA and the Hesperia Municipal Code, impacts associated with Joshua tree woodland would be less than significant.

6.3 Impacts to Special-Status Wildlife

6.3.1 Direct Impacts

The Project could result in significant impacts to two special-status wildlife species: burrowing owl and loggerhead shrike.

Burrowing Owl

Burrowing owl was not observed within the BSA; however, suitable habitat exists on site, and the species could occupy the BSA prior to construction.

The Project would result in the loss of 16 acres of suitable habitat for burrowing owl, including impacts to disturbed habitat, Joshua tree woodland, and non-native grassland. These potential direct impacts to burrowing owls would be significant absent mitigation under CEQA.

Loggerhead Shrike

Loggerhead shrike is a CDFW Species of Special Concern during its nesting period. It can be found in lowlands and foothills throughout California. It prefers open habitats with scattered shrubs, trees, posts, fences, utility lines, or other perches. Highest density occurs in open-canopied valley foothill hardwood, valley foothill hardwood-conifer, valley foothill riparian, pinyon-juniper, juniper, desert riparian, and western Joshua tree habitats. Loggerhead shrike was not observed during the biological surveys, but has a moderate potential to occur in the BSA. Extensive suitable nesting habitat, particularly near western Joshua trees, is present within the BSA.

In addition, the Project would result in the loss of 1.5 acres of suitable habitat for loggerhead shrike (i.e., impacts to Joshua tree woodland). These potential direct impacts to loggerhead shrike would be significant absent mitigation under CEQA.

Desert Tortoise

The results of the survey determined that desert tortoise is currently considered absent from the BSA. On-site vegetation has been determined to provide low-quality habitat for desert tortoise. Although suitable (albeit low-quality) habitat for this species would be removed as a result of construction of the Project, this habitat is unoccupied, and the Project would not result in any direct or indirect impacts to desert tortoise. Therefore, impacts to desert tortoise associated with the Project and BSA would be less than significant under CEQA.

Mohave Ground Squirrel

The Project site is located in an area that is cut off from known Mohave ground squirrel populations by I-15 and U.S. Highway 395 to the east, and by the California Aqueduct to the north. Disturbances from human presence and fragmentation from surrounding roadways, including off-highway-vehicle use and illegal waste dumping within the BSA, has had a negative effect on habitat quality for Mohave ground squirrel. Records from the CNDDB reveal two more recent occurrences of Mohave ground squirrel near the BSA that were detected in 2005 and 2011 (Figure 7, Historical Mohave Ground Squirrel Occurrences) (CDFW 2022b). However, both these records are from sites located across the California Aqueduct, making dispersal to the Project site highly unlikely, because the aqueduct creates a considerable barrier to dispersal.

The visual survey concluded that the BSA provides low-quality/disturbed suitable habitat for Mohave ground squirrel. Specifically, foraging plants for Mohave ground squirrel, such as spiny hopsage (*Grayia spinosa*) and winterfat (*Krascheninnikovia lanata*), were absent. However, other foraging plans, including peach thorn (*Lycium cooperi*), western Joshua tree, fiddleneck (*Amsinckia* spp.), and red-stemmed filaree (redstem stork's bill), were observed within the BSA, along with burrows and burrow complexes that showed that soils present are suitable for burrowing. However, surrounding roadways and various forms of human presence, including trash and litter, have marginalized the habitat quality.

Although low-quality/disturbed suitable Mohave ground squirrel habitat is present in the BSA, no Mohave ground squirrels were detected at the camera stations or captured during the trapping surveys. Additionally, the BSA is located within the southern portion of the mapped Mohave ground squirrel range, where Mohave ground squirrel occurrences are rare and populations densities have historically been low, with the closest occurrences north of the California Aqueduct, which presents a significant barrier to Mohave ground squirrel dispersal. As such, the survey results indicate that Mohave ground squirrel does not inhabit the BSA.

Therefore, the Project would not result in any direct or indirect impacts to Mohave ground squirrel. Therefore, impacts to Mohave ground squirrel associated with the Project would be less than significant under CEQA.

American Badger and Desert Kit Fox

No desert kit fox or American badger individuals (or sign) were observed during desert tortoise or Mohave ground squirrel surveys, or incidentally observed during other focused surveys conducted within the BSA. In addition, no suitable habitat exists on site. Disturbances from human presence and fragmentation from surrounding roadways, including off-highway-vehicle use and illegal waste dumping within the BSA, have had a negative effect on habitat quality for these species. However, albeit unlikely, these species could eventually occupy the BSA prior to construction; therefore, potential direct impacts to American badger and kit fox would be significant absent mitigation.

Nesting Migratory Birds and Raptors

Similar to most other sites containing trees, shrubs, and other vegetation, the BSA contains opportunities for birds of prey (raptors) and other avian species to nest on site. Native nesting bird species with potential to occur within the BSA are protected by California Fish and Game Code Sections 3503 and 3503.5, and by the federal MBTA (16 USC 703–711). In particular, California Fish and Game Code Section 3503 provides that it is unlawful to take, possess, or needlessly destroy the active nests or eggs of any bird in California; Section 3503.5 protects all raptors and their eggs and active nests; and the MBTA prohibits the take (including killing, capturing, selling, trading, and transport) of native migratory bird species throughout the United States. Currently, California considers any nest that is under construction or modification, or is supporting eggs, nestlings, or juveniles, as "active." Therefore, impacts to nesting migratory birds and raptors would be significant absent mitigation under CEQA.

6.3.2 Indirect Impacts

Burrowing Owl

Construction activities have the potential to result in short-term indirect impacts to burrowing owls and their habitat. Those impacts could include dust, noise and vibration, trash and debris, increased human presence, vehicle collisions, chemical spills, and night-time lighting. These potential short-term or temporary indirect impacts to burrowing owls would be significant absent mitigation under CEQA.

Post-construction (long-term) activities have the potential to result in indirect impacts to burrowing owls and their habitat. Long-term impacts that could result from development within or adjacent to burrowing owl habitat include night-time lighting and increased invasive plant species that may degrade habitat. These potential long-term indirect impacts to burrowing owls would be significant absent mitigation under CEQA.

Loggerhead Shrike

Construction activities have the potential to result in short-term indirect impacts to loggerhead shrike and their habitat. Those impacts could include dust, noise and vibration, increased human presence, vehicle collisions, chemical spills, and night-time lighting. These potential short-term or temporary indirect impacts to loggerhead shrike would be significant absent mitigation under CEQA.

Post-construction (long-term) activities have the potential to result in indirect impacts to loggerhead shrike and their habitat. Long-term impacts that could result from development within or adjacent to loggerhead shrike habitat include night-time lighting and increased invasive plant species that may degrade habitat. These potential long-term indirect impacts to loggerhead shrikes would be significant absent mitigation under CEQA.

American Badger and Desert Kit Fox

No desert kit fox or American badger individuals (or sign) were observed during desert tortoise or Mohave ground squirrel surveys, or incidentally observed during other focused surveys conducted within the BSA. In addition, no suitable habitat exists on site.

Construction activities have the potential to result in short-term indirect impacts to American badger and kit fox, and their habitats. Those impacts could include dust, noise and vibration, trash and debris, increased human

presence, vehicle collisions, chemical spills, and night-time lighting. However, albeit unlikely, these species could eventually occupy the BSA prior to construction; therefore, these potential short-term or temporary indirect impacts to these species would be significant absent mitigation under CEQA.

Post-construction (long-term activities) have the potential to result in indirect impacts to these species and their habitats. These impacts could include trash and debris, increased human presence, vehicle collisions, chemical spills, and night-time lighting. However, albeit unlikely, these species could eventually occupy the BSA prior to construction; therefore, potential long-term indirect impacts to American badger and kit fox would be significant absent mitigation.

Nesting Migratory Birds and Raptors

Construction activities have the potential to result in indirect impacts to nesting migratory birds and raptors and their habitats. Those impacts could include the loss of a nest through increased dust, noise and vibration, increased human presence, and night-time lighting. Potential short-term or temporary indirect impacts to these species would be significant absent mitigation under CEQA.

Post-construction (long-term) activities have the potential to result in indirect impacts to migratory birds and raptors, and their habitat. Long-term impacts that could result from development within or adjacent to suitable habitat include night-time lighting and increased invasive plant species that may degrade habitat. These potential long-term indirect impacts to migratory birds and raptors would be significant absent mitigation under CEQA.

6.4 Impacts to Jurisdictional Wetlands and Waters

The BSA supports 0.06 acres (396 linear feet) of ephemeral drainages. The one ephemeral drainage feature is likely subject to CDFW and/or RWQCB jurisdiction based on evidence of bed and bank. This feature is not likely subject to USACE jurisdiction because this feature is isolated and does not meet the relatively permanent or significant nexus standard as a waters of the United States. One swale was also investigated but determined to be non-jurisdictional.

6.4.1 Direct Impacts

The Project would result in the loss of 0.06 acres of potential jurisdictional waters likely subject to CDFW and/or RWQCB jurisdiction (Figure 8, Impacts to Jurisdictional Aquatic Resources). These potential direct impacts to jurisdictional waters would be significant absent mitigation under CEQA.

6.4.2 Indirect Impacts

Construction-related (short-term) indirect impacts may include inadvertent spillover impacts outside of the construction footprint, chemical spills, and stormwater erosion and sedimentation. These potential short-term or temporary indirect impacts to jurisdictional aquatic resources would be significant absent mitigation under CEQA.

Post-construction (long-term) indirect impacts from operations and maintenance activities may include changes in water quality and accidental chemical spills. These potential long-term indirect impacts to jurisdictional aquatic resources would be significant absent mitigation under CEQA.

6.5 Impacts to Wildlife Corridors and Habitat Linkages

6.5.1 Direct Impacts

The Project site is located in an area of encroaching development and has been regionally isolated by U.S. Highway 395 to the west and I-15 to the east. As a result, the Project site does not provide for regional wildlife movement or serve as a regional wildlife corridor. Wildlife movement may be temporarily disrupted during the construction phase of the Project, although this effect would be both localized and short-term. Nearby corridors that could support wildlife movement in the region include the Oro Grande Wash and La Bureau of Power and Light Road immediately to the west; these would not be impacted by the Project. Further, the Project site does not contain nursery sites, such as bat colony roosting sites or colonial bird nesting areas. Therefore, impacts associated with wildlife movement, wildlife corridors, and wildlife nursery sites would be less than significant under CEQA.

6.5.2 Indirect Impacts

Some short-term indirect impacts to localized wildlife movement could occur due to construction-related noise and work in the vicinity. However, these impacts would be temporary and would not be expected to significantly disrupt wildlife movement due to ambient noise conditions and the ability for wildlife to continue to move around the construction area and upland portions of the BSA during and after construction. Work activities are not currently proposed during the night-time.

Post-construction (long-term) indirect impacts from operations and maintenance activities may include night-time lighting. These potential long-term indirect impacts to wildlife movement would be significant absent mitigation under CEQA.

6.6 Impacts Associated with Local Policies and Ordinances

California Desert Native Plants

No desert native plant species, except western Joshua tree, were recorded in the BSA (Figure 6, Impacts to Biological Resources). Western Joshua tree is further discussed below.

Western Joshua Tree

In accordance with Chapter 16.24 of the Hesperia Municipal Code, preparation of a western Joshua tree and desert native plants relocation plan is required to mitigate impacts to Joshua trees as a result of the Project. As such, a Joshua Tree Preservation, Protection, and Relocation Plan and Desert Native Plant Relocation Plan (Appendix F) was prepared for the Project to provide detailed specifications for the Project applicant to meet the requirements of Chapter 16.24 of the Hesperia Municipal Code to protect, preserve, and mitigate impacts to western Joshua trees.

The Joshua Tree Preservation, Protection, and Relocation Plan addresses the requirements of the City's Protected Plant Policy, and provides details for the initial survey of the Project site's Joshua trees, detailed specifications for the protection of trees to be preserved on site, and relocation/salvage requirements for those trees requiring removal and relocation (Appendix F).

6.7 Impacts Associated with Habitat Conservation Plans

The Project is located within the California Desert Conservation Area Plan (BLM 1980). The Project is also located within the Draft West Mojave Plan (BLM 2005) and the Desert Renewable Energy Conservation Plan (BLM 2016) areas. The West Mojave Plan and Desert Renewable Energy Conservation Plan are amendments to the California Desert Conservation Area Plan. The Bureau of Land Management issued a Record of Decision for the West Mojave Plan in 2006, although the West Mojave Plan has not been formally adopted. The Project will not conflict with the conservation criteria associated with the California Desert Conservation Area Plan or Desert Renewable Energy Conservation Plan. Therefore, impacts associated with an adopted habitat conservation plan would be less than significant under CEQA.

7 Significant Impacts and Mitigation

7.1 Explanation of Findings of Significance

Impacts to special-status vegetation communities, plant and wildlife species, and jurisdictional waters, including wetlands, must be quantified and analyzed to determine whether such impacts are significant under CEQA. CEQA Guidelines Section 15064(b) states that an ironclad definition of "significant" effect is not possible, because the significance of an activity may vary with the setting. Appendix G of the CEQA Guidelines, however, does provide "examples of consequences which may be deemed to be a significant effect on the environment" (14 CCR 15064[e]). These effects include substantial effects on rare or endangered species of animals or plants, or the habitat of the species. CEQA Guidelines Section 15065(a) is also helpful in defining whether a project may have a significant effect on the environment. Under that section, a proposed project may have a significant effect on the environment if the project has the potential to (1) substantially degrade the quality of the environment, (2) substantially reduce the habitat of a fish or wildlife species, (3) cause a fish or wildlife population to drop below self-sustaining levels, (4) threaten to eliminate a plant or animal community, (5) reduce the number or restrict the range of a rare or endangered plant or animal, or (6) eliminate important examples of a major period of California history or prehistory.

The following are the significance thresholds for biological resources provided in the CEQA Guidelines Appendix G Environmental Checklist, which states that a project would potentially have a significant effect if it does any of the following:

- Impact BIO-1. Has a substantial adverse effect, either directly or through habitat modifications, on any species identified as being a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS.
- Impact BIO-2. Has a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by CDFW or USFWS.
- Impact BIO-3. Has a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means.
- Impact BIO-4. Interferes substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impedes the use of native wildlife nursery sites.
- Impact BIO-5. Conflicts with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance.
- Impact BIO-6. Conflicts with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan.

The evaluation of whether an impact to a particular biological resource is significant must consider both the resource itself and the role of that resource in a regional context. Substantial impacts are those that contribute to, or result in, permanent loss of an important resource, such as a population of a rare plant or wildlife species. Impacts may be important locally because they result in an adverse alteration of existing site conditions, but considered not significant because they do not contribute substantially to the permanent loss of that resource regionally. The severity of an impact is the primary determinant of whether that impact can be mitigated to a level below significance.

7.2 Impact BIO-1: Special-Status Species

The following significance determinations were made based on the impacts of the Project. Proposed mitigation measures referenced in Section 7.2 are provided in Section 7.2.3.

7.2.1 Direct Impacts

Western Joshua Tree

As required by Mitigation Measure (MM) BIO-1 (Conservation of Western Joshua Tree Lands), mitigation for direct and indirect impacts to 32 western Joshua trees would be fulfilled through conservation of western Joshua trees through purchase of credits at a CDFW-approved mitigation bank or other conservation mechanism approved by the City of Hesperia and CDFW. Additionally, as required by MM-BIO-2 (Relocation of Desert Native Plants) and in accordance with Chapter 16.24 of the Hesperia Municipal Code, the preparation of a western Joshua tree and desert native plants relocation plan is required to mitigate impacts to western Joshua trees as a result of the Project (also further discussed in Section 6.5, Impacts to Wildlife Corridors and Habitat Linkages). As such, a Joshua Tree Preservation, Protection, and Relocation Plan, and California Desert Native Plant Relocation Plan (Appendix F) was prepared to provide detailed specifications for the Project applicant to meet the requirements of Chapter 16.24 of the Hesperia Municipal Code to protect, preserve, and mitigate impacts to western Joshua trees. Thus, mitigation for impacts to western Joshua tree would also mitigate for impacts to Joshua tree woodland.

Implementation of MM-BIO-1 (Conservation of Western Joshua Tree Lands) and MM-BIO-2 (Relocation of Desert Native Plants) would reduce potential direct impacts to western Joshua trees to less than significant.

Burrowing Owl

Pursuant to the California Fish and Game Code and MBTA, a pre-construction survey in compliance with the Staff Report on Burrowing Owl Mitigation, State of California Natural Resource Agency, Department of Fish and Game, May 7, 2012 (CDFW 2012) would be necessary to reevaluate the locations of potential burrowing owl burrows within the Project limits so take of owls and active owl nests can be avoided. Consistent with MM-BIO-3 (Pre-Construction Surveys for Burrowing Owl and Avoidance), a pre-construction survey for burrowing owl would be conducted in areas supporting potentially suitable habitat and within 14 days prior to the start of construction activities. A Burrowing Owl Relocation Plan has been prepared to facilitate implementation of this mitigation measure, and is attached to this report as Appendix I.

As required by MM-BIO-1 (Conservation of Western Joshua Tree Lands), mitigation for direct impacts to western Joshua trees would be fulfilled through conservation of western Joshua tree through purchase of credits at a CDFW-approved mitigation bank or other conservation mechanism approved by the City of Hesperia and CDFW. Conservation efforts for western Joshua tree will focus on the conservation of large, interconnected Joshua tree woodlands on lands where edge effects are limited, versus lands in urban settings that are subject to habitat fragmentation and edge effects, such as the Project site. Thus, mitigation for impacts to western Joshua tree would also mitigate for impacts to loss of suitable habitat for burrowing owl.

Implementation of MM-BIO-1 (Conservation of Western Joshua Tree Lands) and MM-BIO-3 (Pre-Construction Surveys for Burrowing Owl and Avoidance) would reduce potential direct impacts to burrowing owl to less than significant.

Loggerhead Shrike

To avoid potential impacts to nesting loggerhead shrikes, it is recommended that vegetation removal activities be conducted outside the general bird nesting season (February 1 through August 31). If vegetation cannot be removed outside the bird nesting season, a pre-construction nesting bird survey by a qualified biologist is required prior to vegetation removal. This requirement is outlined in MM-BIO-4 (Pre-Construction Nesting Bird Surveys and Avoidance).

As required by MM-BIO-1 (Conservation of Western Joshua Tree Lands), mitigation for direct impacts to western Joshua trees would be fulfilled through conservation of Western Joshua tree through purchase of credits at a CDFW-approved mitigation bank or other conservation mechanism approved by the City of Hesperia and CDFW. Conservation efforts for western Joshua tree will focus on the conservation of large, interconnected Joshua tree woodlands on lands where edge effects are limited, versus lands in urban settings that are subject to habitat fragmentation and edge effects, such as the Project site. Thus, mitigation for impacts to western Joshua tree would also mitigate for impacts to loss of suitable habitat for loggerhead shrike.

Implementation of MM-BIO-1 (Conservation of Western Joshua Tree Lands) and MM-BIO-4 (Pre-Construction Nesting Bird Surveys and Avoidance) would reduce potential direct impacts to loggerhead shrike to less than significant.

American Badger and Kit Fox

To avoid potential direct impacts to American badger and kit fox, a pre-construction survey for American badger and desert kit fox would be conducted within 10 days prior to the start of construction to determine the presence/ absence of either species. As such, in an abundance of caution and to ensure that potential impacts to these species are less than significant, the Project applicant would prepare a mitigation and monitoring plan that addresses desert kit fox and American badger if either species is determined to occur on the Project site prior to the start of construction, pursuant to MM-BIO-5 (Pre-Construction Survey for American Badger and Desert Kit Fox and Avoidance). With the incorporation of mitigation, impacts associated with desert kit fox and American badger would be less than significant.

Nesting Migratory Birds and Raptors

To ensure compliance with the California Fish and Game Code and MBTA, and to avoid potential impacts to nesting birds, it is recommended that vegetation removal activities be conducted outside the general bird nesting season (February 1 through August 31, depending on the species), and if vegetation cannot be removed outside the bird nesting season, a pre-construction nesting bird survey by a qualified biologist is required prior to vegetation removal. This requirement is outlined in MM-BIO-4 (Pre-Construction Nesting Bird Surveys and Avoidance). With the incorporation of mitigation, impacts associated with nesting birds, including raptors, would be less than significant.

Implementation of MM-BIO-4 (Pre-Construction Nesting Bird Surveys and Avoidance) would reduce potential direct impacts to nesting migratory birds and raptors to less than significant.

7.2.2 Indirect Impacts

Western Joshua Tree

Implementation of MM-BIO-6 (Designated Biologist Authority) gives the Project's designated biologist the authority to stop work if construction is not compliant with CEQA. MM-BIO-7 (Compliance Monitoring) requires that an experienced biologist oversee compliance with the protective measures, including limiting impacts to the Project impact footprint. MM-BIO-8 (Education Program) would provide construction personnel with training related to western Joshua trees that are present on and adjacent to the impact footprint. MM-BIO-9 (Construction Monitoring Notebook) provides for documentation that an education program is administered to applicable personnel. MM-BIO-10 (Delineation of Property Boundaries) requires that impacts occur within the fenced, staked, or flagged area that is clearly delineated within the Project impact footprint. The construction crew would be responsible for unauthorized impacts from construction activities to western Joshua trees that are outside the permitted Project footprint. Thus, implementation of MM-BIO-6 through MM-BIO-10 would enable the Project to avoid and minimize inadvertent spillover impacts outside of the approved impact footprint.

To reduce fugitive dust resulting from Project construction and to minimize adverse air quality impacts, the Project would employ dust mitigation measures in accordance with the Mojave Desert Air Quality Management District's Rules 401 and 403.2, which limit the amount of fugitive dust generated during construction.

MM-BIO-11 (Hazardous Waste) would ensure that a prompt and effective response to any accidental chemical spills will be implemented, and that repair and clean-up of any hazardous waste occurs. Thus, implementation of MM-BIO-11 would help to avoid and minimize impacts to western Joshua tree from any construction-related chemical spills.

A Stormwater Pollution Prevention Plan would be prepared and implemented to prevent all construction pollutants from contacting stormwater during construction activities, with the intent of keeping sediment and any other pollutants from moving off site and into receiving waters. Best management practices (BMPs) employed on site would include erosion control, sediment control, and non-stormwater good housekeeping. Preparation and implementation of a Stormwater Pollution Prevention Plan would help to avoid and minimize the potential effects of stormwater erosion during construction.

Construction of the Project would introduce potential ignition sources to the Project site, including the use of heavy machinery and the potential for sparks during welding activities or other hot work. However, the Project would be required to comply with City of Hesperia and state requirements for fire safety practices to reduce the possibility of fires during construction activities. Further, vegetation would be removed from the site prior to the start of construction. Adherence to City and state regulatory standards during Project construction would reduce the risk of wildfire ignition and spread during construction activities. Therefore, short-term construction impacts involving wildland fires would not be substantial.

Potential long-term (post-construction) indirect impacts from operations and maintenance activities may include effects of herbicides, changes in water quality, increased wildfire risk, and accidental chemical spills.

MM-BIO-12 (Herbicides) would limit herbicide use to instances where hand or mechanical efforts are infeasible, and would only be applied when wind speeds are less than 7 miles per hour to prevent drift into off-site western Joshua trees.

Implementation of low-impact-development features and BMPs would, to the maximum extent practicable, reduce the discharge of pollutants into receiving waters, including inadvertent release of pollutants (e.g., hydraulic fluids and petroleum); the improper management of hazardous materials; trash and debris; and the improper management of portable restroom facilities (e.g., regular service) in accordance with all relevant local and state development standards. In addition, in accordance with CalGreen requirements (California Green Building Standards Code, CCR Title 24, Part 11), Project source controls to improve water quality would be provided for outdoor material storage areas, outdoor trash storage/waste handling areas, and outdoor loading/unloading areas. Therefore, impacts to western Joshua trees due to changes in water quality would be avoided and minimized through implementation of low-impact-development features and BMPs.

Upon completion of Project construction, with adherence to the City of Hesperia's Municipal Code and because of the low ignitability of the proposed structures and implementation of fire-resistant and irrigated landscaping, the Project would not facilitate wildfire spread or exacerbate wildfire risk. Further, given that surrounding off-site fuels consist of moderately spaced vegetation, wildfires in the immediate surrounding area are not common, and it is unlikely that the Project site would be exposed to the uncontrolled spread of a wildfire. It is not anticipated that the Project, due to slope, prevailing winds, and other factors, would exacerbate wildfire risks or the uncontrolled spread of a wildfire; thus, with adherence to the City of Hesperia's Municipal Code, long-term indirect impacts to western Joshua tree associated with increased wildlife risk is not expected to occur.

Implementation of MM-BIO-6 (Designated Biologist Authority), MM-BIO-7 (Compliance Monitoring), MM-BIO-8 (Education Program), MM-BIO-9 (Construction Monitoring Notebook), MM-BIO-10 (Delineation of Property Boundaries), MM-BIO-11 (Hazardous Waste), and MM-BIO-12 (Herbicides) would reduce potential indirect impacts to western Joshua tree to less than significant.

Burrowing Owl

MM-BIO-3 (Pre-Construction Surveys for Burrowing Owl and Avoidance) would require burrowing owl surveys and result in establishment of construction buffers around any burrowing owl burrows found, thus limiting effects from most short-term indirect impacts, including noise and vibration, increased human presence, night-time lighting, and vehicle collisions. MM-BIO-13 (Lighting) would require night-time lighting during construction within 50 feet of habitat for special-status species to be shielded downward. Additionally, MM-BIO-6 (Designated Biologist Authority), MM-BIO-7 (Compliance Monitoring), MM-BIO-8 (Education Program), and MM-BIO-9 (Construction Monitoring Notebook) would require that all workers complete a Worker Environmental Awareness Program (WEAP) training, and would require ongoing biological monitoring and compliance with all biological resource mitigation requirements. MM-BIO-14 (Trash and Debris) would require trash and debris to be removed regularly, and would require animal-resistant trash receptacles to avoid attracting urban-related, predator species. MM-BIO-11 (Hazardous Waste) would ensure that a prompt and effective response to any accidental chemical spills would be implemented, and that repair and clean-up of any hazardous waste occurs. To reduce fugitive dust resulting from construction and to minimize adverse air quality impacts, the Project would employ dust mitigation measures in accordance with the Mojave Desert Air Quality Management District's Rules 401 and 403.2, which would limit the amount of fugitive dust generated during construction.

Potential long-term indirect impacts that could result from development within or adjacent to burrowing owl habitat include night-time lighting and increased invasive plant species that may degrade habitat. MM-BIO-13 (Lighting) would require night-time lighting during operations within 50 feet of habitat for special-status species to be shielded downward. MM-BIO-15 (Invasive Plant Management) would require that landscape plants within 200 feet of native

vegetation communities not be on the most recent version of the California Invasive Plant Council's Inventory of Invasive Plants (http://www.cal-ipc.org/ip/inventory/index.php).

Implementation of MM-BIO-3 (Pre-Construction Surveys for Burrowing Owl and Avoidance), MM-BIO-6, (Designated Biologist Authority), MM-BIO-7 (Compliance Monitoring), MM-BIO-8 (Education Program), MM-BIO-9 (Construction Monitoring Notebook), MM-BIO-11 (Hazardous Waste), MM-BIO-13 (Lighting), MM-BIO-14 (Trash and Debris), and MM-BIO-15 (Invasive Plant Management) would reduce potential indirect impacts to burrowing owl to less than significant.

Loggerhead Shrike

MM-BIO-4 (Pre-Construction Nesting Bird Surveys and Avoidance) would require nesting bird surveys and would result in establishment of construction buffers around nests, thus limiting effects from most short-term indirect impacts, including noise and vibration, increased human presence, night-time lighting, and vehicle collisions. MM-BIO-13 (Lighting) would require night-time lighting during construction within 50 feet of habitat for special-status species to be shielded downward. MM-BIO-6 (Designated Biologist Authority), MM-BIO-7 (Compliance Monitoring), MM-BIO-8 (Education Program), and MM-BIO-9 (Construction Monitoring Notebook) would require that all workers complete a WEAP training, and would require ongoing biological monitoring and compliance with all biological resource mitigation requirements. MM-BIO-11 (Hazardous Waste) would ensure that a prompt and effective response to any accidental chemical spills be implemented, and that repair and clean-up of any hazardous waste occurs. To reduce fugitive dust resulting from construction and to minimize adverse air quality impacts, the Project would employ dust mitigation measures in accordance with the Mojave Desert Air Quality Management District's Rules 401 and 403.2, which limit the amount of fugitive dust generated during construction.

Potential long-term indirect impacts that could result from development within or adjacent to loggerhead shrike habitat include night-time lighting and increased invasive plant species that may degrade habitat. MM-BIO-13 (Lighting) would require night-time lighting during operations within 50 feet of habitat for special-status species to be shielded downward. MM-BIO-15 (Invasive Plant Management) would require that landscape plants within 200 feet of native vegetation communities not be on the most recent version of the California Invasive Plant Council's Inventory of Invasive Plants (http://www.cal-ipc.org/ip/inventory/index.php).

Implementation of MM-BIO-4 (Pre-Construction Nesting Bird Surveys and Avoidance), MM-BIO-6, (Designated Biologist Authority), MM-BIO-7 (Compliance Monitoring), MM-BIO-8 (Education Program), MM-BIO-9 (Construction Monitoring Notebook), MM-BIO-11 (Hazardous Waste), MM-BIO-13 (Lighting), and MM-BIO-15 (Invasive Plant Management) would reduce potential indirect impacts to loggerhead shrike to less than significant.

American Badger and Kit Fox

MM-BIO-5 (Pre-Construction Survey for American Badger and Desert Kit Fox and Avoidance) would require a pre-construction survey for American badger and desert kit fox, and if determined present, would result in establishment of an American Badger/Desert Kit Fox Mitigation and Monitoring Plan, which would include avoidance and minimization measures to reduce potential impacts to either species, as well as compensatory mitigation to offset indirect impacts, including noise and vibration, increased human presence, night-time lighting, and vehicle collisions. MM-BIO-13 (Lighting) would require night-time lighting during construction within 50 feet of habitat for special-status species to be shielded downward. MM-BIO-6 (Designated Biologist Authority), MM-BIO-7 (Compliance Monitoring), MM-BIO-8 (Education Program), and MM-BIO-9 (Construction Monitoring Notebook) would require that all workers complete a WEAP training, and would require ongoing biological monitoring and compliance with all biological resource

mitigation requirements. MM-BIO-11 (Hazardous Waste) would ensure that a prompt and effective response to any accidental chemical spills would be implemented, and that repair and clean-up of any hazardous waste occurs. To reduce fugitive dust resulting from construction and to minimize adverse air quality impacts, the Project would employ dust mitigation measures in accordance with the Mojave Desert Air Quality Management District's Rules 401 and 403.2, which would limit the amount of fugitive dust generated during construction.

Potential long-term indirect impacts that could result from development within or adjacent to the BSA include night-time lighting and increased invasive plant species that may degrade habitat. MM-BIO-13 (Lighting) would require night-time lighting during operations within 50 feet of habitat for special-status species to be shielded downward. MM-BIO-15 (Invasive Plant Management) would require that landscape plants within 200 feet of native vegetation communities not be on the most recent version of the California Invasive Plant Council's Inventory of Invasive Plants (http://www.cal-ipc.org/ip/inventory/index.php).

Implementation of MM-BIO-5 (Pre-Construction Survey for American Badger and Desert Kit Fox and Avoidance), MM-BIO-6, (Designated Biologist Authority), MM-BIO-7 (Compliance Monitoring), MM-BIO-8 (Education Program), MM-BIO-9 (Construction Monitoring Notebook), MM-BIO-11 (Hazardous Waste), MM-BIO-13 (Lighting), and MM-BIO-15 (Invasive Plant Management) would reduce potential indirect impacts to American badger and desert kit fox to less than significant.

Nesting Migratory Birds and Raptors

To ensure compliance with the California Fish and Game Code and MBTA, and to avoid potential indirect impacts to nesting birds, vegetation removal activities should be conducted outside the general bird nesting season (February 1 through August 31, depending on the species), and if vegetation cannot be removed outside the bird nesting season, a pre-construction nesting bird survey by a qualified biologist is required prior to vegetation removal through implementation of MM-BIO-4 (Pre-Construction Nesting Bird Surveys and Avoidance). Indirect impacts including increased dust, noise and vibration, increased human presence, and night-time lighting, would be offset through implementation of MM-BIO-13 (Lighting), which would require night-time lighting during construction within 50 feet of habitat for special-status species to be shielded downward. MM-BIO-6 (Designated Biologist Authority), MM-BIO-7 (Compliance Monitoring), MM-BIO-8 (Education Program), and MM-BIO-9 (Construction Monitoring Notebook) would require that all workers complete a WEAP training, ongoing biological monitoring, and compliance with all biological resource mitigation requirements. To reduce fugitive dust resulting from construction and to minimize adverse air quality impacts, the Project would employ dust mitigation measures in accordance with the Mojave Desert Air Quality Management District's Rules 401 and 403.2, which would limit the amount of fugitive dust generated during construction.

Implementation of MM-BIO-4 (Pre-Construction Nesting Bird Surveys and Avoidance), MM-BIO-6, (Designated Biologist Authority), MM-BIO-7 (Compliance Monitoring), MM-BIO-8 (Education Program), MM-BIO-9 (Construction Monitoring Notebook), and MM-BIO-13 (Lighting) would reduce potential indirect impacts to nesting birds and raptors to less than significant.

7.2.3 Mitigation Measures

One candidate for state listing under CESA, western Joshua tree, was observed and would be directly impacted by the Project. Two wildlife species were determined to have a moderate potential to occur within the BSA and could

occur during construction of the Project: burrowing owl and loggerhead shrike. Suitable habitat for burrowing owl and loggerhead shrike would be directly impacted by the Project.

The Project could result in potentially significant impacts to species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by CDFW or USFWS, including native desert plants protected under the CDNPA and City of Hesperia Municipal Code, western Joshua trees, burrowing owl, loggerhead shrike, and nesting migratory birds and raptors. Implementation of MM-BIO-1 through MM-BIO-15 is required to reduce impacts to less than significant level.

MM-BIO-1 Conservation of Western Joshua Tree Lands. Based on a literature review completed by the California Department of Fish and Wildlife (CDFW), CDFW indicated that western Joshua tree locations shall be buffered by 186 feet to account for the take of seed bank for western Joshua trees and their associated habitat. Therefore, a 186-foot buffer (or radius) shall be applied to each western Joshua tree location. The direct impacts to this 186-foot buffer were analyzed, and the Project would result in 10.9 acres of impacts to western Joshua trees, their seed bank, and their associated habitat. Mitigation for direct impacts to 10.9 acres of western Joshua trees and their 186-foot buffer shall be fulfilled through conservation of western Joshua trees at a 2:1 habitat replacement of equal or better functions and values to those impacted by the Project, for a total of 21.8 acres. Mitigation shall be accomplished either through off-site conservation or through a CDFW-approved mitigation bank. If mitigation is not purchased through a mitigation bank and lands are conserved separately, a cost estimate shall be prepared to estimate the initial start-up costs and ongoing annual costs of management activities for the management of the conservation easement(s) area in perpetuity. The funding source shall be in the form of an endowment to help the qualified natural lands management entity that is ultimately selected to hold the conservation easement(s). The endowment amount shall be established following the completion of a Project-specific Property Analysis Record (PAR) to calculate the costs of in-perpetuity land management. The PAR shall take into account all of the management activities required in the Incidental Take Permit to fulfill the requirements of the conservation easement(s), which are currently in review and development.

Additionally, no take of western Joshua tree shall occur without authorization from CDFW in the form of an Incidental Take Permit pursuant to California Fish and Game Code 2081. The Project applicant shall adhere to measures and conditions set forth within the Incidental Take Permit

MM-BIO-2 Relocation of Desert Native Plants. Prior to the issuance of grading permits, the Project applicant shall submit an application and applicable fee paid to the City of Hesperia for removal or relocation of protected native desert plants under Hesperia Municipal Code Chapter 16.24 as required, and schedule a pre-construction site inspection with the Planning Division and the Building Division. The application shall include certification from a qualified western Joshua tree and native desert plant expert(s) to determine that proposed removal or relocation of protected native desert plants are appropriate, supportive of a healthy environment, and in compliance with the City of Hesperia Municipal Code. Protected plants subject to Hesperia Municipal Code Chapter 16.24 may be relocated on site, or within an area designated for species to be adopted later.

The application shall include a detailed plan for removal of all protected plants on the Project site. The Joshua Tree Preservation, Protection, and Relocation Plan and Desert Native Plant Relocation

Plan shall be prepared by a qualified western Joshua tree and native desert plant expert(s). The plan shall include the following measures:

- Salvaged plants shall be transplanted expeditiously to either their final on-site location or to an approved off-site area. If the plants cannot be expeditiously taken to their permanent relocation area at the time of excavation, they may be transplanted to a temporary area (stockpiled) prior to being moved to their permanent relocation site(s).
- Western Joshua trees shall be marked on their north-facing side prior to excavation. Transplanted western Joshua trees shall be planted in the same orientation as they currently occur on the Project site, with the marking on the north side of the trees facing north at the relocation site(s).
- Transplanted plants shall be watered prior to and at the time of transplantation. The schedule of watering shall be determined by the qualified tree expert and desert native plant expert(s) to maintain plant health. Watering of the transplanted plants shall continue under the guidance of a qualified tree expert and desert native plant expert(s) until it has been determined that the transplants have become established in the permanent relocation site(s) and no longer require supplemental watering.

MM-BIO-3 Pre-Construction Surveys for Burrowing Owl and Avoidance. One pre-construction burrowing owl survey shall be completed no more than 14 days before initiation of site preparation or grading activities, and a second survey shall be completed within 24 hours of the start of site preparation or grading activities. If ground-disturbing activities are delayed or suspended for more than 30 days after the pre-construction surveys, the Project site shall be resurveyed. Surveys for burrowing owl shall be conducted in accordance with protocols established in the 2012 (or current version) Staff Report on Burrowing Owl Mitigation prepared by the California Department of Fish and Wildlife (CDFW).

If burrowing owls are detected, a Burrowing Owl Relocation Plan shall be implemented in consultation with CDFW. As required by the Burrowing Owl Relocation Plan, disturbance to burrows shall be avoided during the nesting season (February 1 through August 31). Buffers shall be established around occupied burrows in accordance with guidance provided in the Staff Report on Burrowing Owl Mitigation (current version). No Project activities shall be allowed to encroach into established buffers without the consent of a monitoring biologist. The buffer shall remain in place until it is determined that occupied burrows have been vacated or the nesting season has completed.

Outside of the nesting season, passive owl relocation techniques approved by CDFW shall be implemented. Owls shall be excluded from burrows in the immediate Project area and within a buffer zone by installing one-way doors in burrow entrances. These doors shall be placed at least 48 hours prior to ground-disturbing activities. The Project area shall be monitored daily for 1 week to confirm owl departure from burrows prior to any ground-disturbing activities. Compensatory mitigation for permanent loss of owl habitat shall be provided following the guidance in the Staff Report on Burrowing Owl Mitigation (current version).

Where possible, burrows shall be excavated using hand tools and refilled to prevent reoccupation. Sections of flexible plastic pipe shall be inserted into the tunnels during excavation to maintain an escape route for any wildlife inside the burrow.

MM-BIO-4 Pre-Construction Nesting Bird Surveys and Avoidance. Construction activities shall avoid the migratory bird nesting season (typically February 1 through August 31) to reduce any potential significant impact to birds that may be nesting in the survey area. If construction activities must occur during the migratory bird nesting season, an avian nesting survey of the Project site and within 500 feet of all impact areas must be conducted to determine the presence/absence of protected migratory birds and active nests. The avian nesting survey shall be performed by a qualified wildlife biologist within 72 hours prior to the start of construction in accordance with the Migratory Bird Treat Act and California Fish and Game Code Sections 3503, 3503.5, and 3513. If an active bird nest is found, the nest shall be flagged and mapped on the construction plans, along with an appropriate buffer established around the nest, which shall be determined by a biologist based on the species' sensitivity to disturbance (typically 300 feet for passerines and 500 feet for raptors and special-status species). The nest area shall be avoided until the nest is vacated and the juveniles have fledged. The nest area shall be demarcated in the field with flagging and stakes or construction fencing. On-site construction monitoring shall also be conducted when construction occurs in proximately to an active nest buffer. No Project activities shall encroach into established buffers without the consent of a monitoring biologist. The buffer shall remain in place until it is determined that nestlings have fledged and the nest is no longer active.

MM-BIO-5 Pre-Construction Survey for American Badger and Desert Kit Fox and Avoidance. A pre-construction survey for American badger and desert kit fox shall be conducted on the Project site and Off-Site Improvement Area within 10 days prior to the start of construction to determine the presence/absence of either species. If either species is discovered during the survey, an American badger/desert kit fox mitigation and monitoring plan shall be developed. The mitigation and monitoring plan shall include avoidance and minimization measures to reduce potential impacts to either species, as well as compensatory mitigation to offset direct or indirect impacts. The plan shall be developed in consultation with California Department of Fish and Wildlife. At a minimum, the plan shall contain the following:

- Identify pre-construction survey methods for American badger and desert kit fox
- Describe feasible pre-construction and construction-phase avoidance methods
- Describe pre-construction and construction-phase relocation methods, including the possibility for passive relocation
- For burrows that will not be impacted by the Project, identify an appropriate construction exclusion zones for active and natal burrows
- Coordinate survey findings prior to and during construction to meet the information needs of wildlife health officials in monitoring the health of kit fox populations

MM-BIO-6 Designated Biologist Authority. The designated biologist shall have authority to immediately stop any activity that does not comply with the biological resources mitigation measures and/or to order any reasonable measure to avoid the unauthorized take of an individual western Joshua tree.

MM-BIO-7 Compliance Monitoring. The designated biologist shall be on site daily when impacts occur. The designated biologist shall conduct compliance inspections to minimize incidental take of western Joshua trees and impacts to other sensitive biological resources; prevent unlawful take of western Joshua trees; and ensure that signs, stakes, and fencing are intact, and that impacts are only

occurring outside the permitted impact footprint. Weekly written observation and inspection records that summarize oversight activities and compliance inspections and monitoring activities required by the Incidental Take Permit shall be prepared.

MM-BIO-8 Education Program. An education program (Worker Environmental Awareness Program [WEAP]) for all persons employed or otherwise working in the Project area shall be administered before impacts occur. The WEAP shall consist of a presentation from the designated biologist that includes a discussion of the biology and status of western Joshua tree, burrowing owl, and loggerhead shrike, and other biological resources mitigation measures described in the California Environmental Quality Act document. Interpretation for non-English-speaking workers shall be provided, and the same instruction shall be provided to any new workers before they are authorized to perform work in the Project area. Upon completion of the WEAP, employees shall sign a form stating they attended the program and understand all protection measures. This training shall be repeated at least once annually for long-term and/or permanent employees who will be conducting work in the Project area.

MM-BIO-9 Construction Monitoring Notebook. The designated biologist shall maintain a construction-monitoring notebook on site throughout the construction period, which shall include a copy of the biological resources mitigation measures with attachments and a list of signatures of all personnel who have successfully completed the education program. The permittee shall ensure that a copy of the construction monitoring notebook is available for review at the Project site upon request by the California Department of Fish and Wildlife.

MM-BIO-10 Delineation of Property Boundaries. Before beginning activities that will cause impacts, the contractor shall, in consultation with the designated biologist, clearly delineate the boundaries with fencing, stakes, or flags, consistent with the grading plan, within which the impacts will take place. All impacts outside the fenced, staked, or flagged areas shall be avoided, and all fencing, stakes, and flags shall be maintained until the completion of impacts in that area.

MM-BIO-11 Hazardous Waste. The Project applicant shall immediately stop work and, pursuant to pertinent state and federal statutes and regulations, arrange for repair and clean up by qualified individuals of any fuel or hazardous waste leaks or spills at the time of occurrence, or as soon as it is safe to do so.

MM-BIO-12 Herbicides. The Project applicant shall limit herbicide use for invasive plant species, and shall use herbicides only if it has been determined that hand or mechanical efforts are infeasible. To prevent drift, the permittee shall apply herbicides only when wind speeds are less than 7 miles per hour. All herbicide application shall be performed by a licensed applicator and in accordance with all applicable federal, state, and local laws and regulations.

MM-BIO-13 Lighting. Lighting for construction activities and operations within 50 feet of the outside edge of the impact footprint containing habitat for special-status wildlife shall be directed away from natural areas.

MM-BIO-14 Trash and Debris. The following avoidance and minimization measures shall be implemented during Project construction:

- Fully covered trash receptacles that are animal-proof shall be installed and used by the operator to contain all food, food scraps, food wrappers, beverage containers, and other miscellaneous trash. Trash contained within the receptacles shall be removed at least once a week from the Project site.
- Construction work areas shall be kept clean of debris, such as cable, trash, and construction materials. All construction/contractor personnel shall collect all litter, vehicle fluids, and food waste from the Project site on a daily basis.

MM-BIO-15 Invasive Plant Management. To reduce the spread of invasive plant species, landscape plants within 200 feet of native vegetation communities shall not be on the most recent version of the California Invasive Plant Council's Inventory of Invasive Plants (http://www.cal-ipc.org/ip/inventory/index.php). Post-construction, the Project applicant shall continually remove invasive plant species on site by hand or mechanical methods, as feasible.

7.3 Impact BIO-2: Sensitive Vegetation Communities

The following significance determinations were made based on the impacts of the Project. Proposed mitigation measures referenced in Section 7.3 are provided in Section 7.2.3.

7.3.1 Direct Impacts

Mitigation for direct and indirect impacts to 32 western Joshua tree individuals would also mitigate for impacts to 1.52 acres of Joshua tree woodland. As required by MM-BIO-1 (Conservation of Western Joshua Tree Lands), mitigation for direct and indirect impacts to 32 western Joshua trees would be fulfilled through conservation of western Joshua trees through purchase of credits at a CDFW-approved mitigation bank, or other conservation mechanism approved by the City of Hesperia and CDFW. Conservation efforts for western Joshua tree would focus on the conservation of large, interconnected Joshua tree woodlands on lands where edge effects are limited, versus lands in urban settings that are subject to habitat fragmentation and edge effects, such as the Project site. Thus, mitigation for impacts to western Joshua tree would also mitigate for impacts to 1.52 acres of Joshua tree woodland.

Additionally, as required by MM-BIO-2 (Relocation of Desert Native Plants) and in accordance with Chapter 16.24 of the Hesperia Municipal Code, the preparation of a western Joshua Tree and desert native plants relocation plan is required to mitigate for impacts to western Joshua trees as a result of the Project. As such, a Joshua Tree Preservation, Protection, and Relocation Plan (Appendix F) was prepared for the Project to provide detailed specifications for the Project applicant to meet the requirements of Chapter 16.24 of the Hesperia Municipal Code to protect, preserve, and mitigate impacts to Joshua trees. Thus, mitigation for impacts to western Joshua tree would also mitigate for impacts to Joshua tree woodland.

Implementation of MM-BIO-1 (Conservation of Western Joshua Tree Lands) and MM-BIO-2 (Relocation of Desert Native Plants) would reduce potential direct impacts to sensitive vegetation communities (i.e., Joshua tree woodland) to less than significant.

7.3.2 Indirect Impacts

Potential construction- and operation-related indirect impacts to Joshua tree woodland would be the same as the indirect impacts to western Joshua tree, as described in Section 7.2.2, Indirect Impacts.

Implementation of MM-BIO-1 (Conservation of Western Joshua Tree Lands) and MM-BIO-2 (Relocation of Desert Native Plants), and adherence to both the CDNPA and the Hesperia Municipal Code would reduce potential indirect impacts to sensitive vegetation communities (i.e., Joshua tree woodland) to less than significant.

7.3.3 Mitigation Measures

The Project could result in potentially significant impacts to Joshua tree woodland, a CDFW sensitive natural community. Implementation of MM-BIO-1 and MM-BIO-2 is required to reduce impacts to less than significant.

7.4 Impact BIO-3: Jurisdictional Wetlands

The following significance determinations were made based on the impacts of the Project, and proposed mitigation measures referenced in Section 7.4 are provided in Section 7.2.3 and Section 7.4.3.

7.4.1 Direct Impacts

Direct impacts to 0.06 acres of jurisdictional aquatic resources would occur with Project implementation. For direct impacts to 0.06 acres of waters and streams that are regulated under the California Porter–Cologne Water Quality Control Act and California Fish and Game Code, permits would be required from each of the regulatory agencies, and typically entail providing mitigation to offset the impacts and loss of beneficial uses and functions and values to the jurisdictional waters and habitats. MM-BIO-16 (Aquatic Resources Mitigation) would require obtaining permits from each of the regulatory agencies. A waste discharge report would be required for impacts to waters of the state, and a Streambed Alteration Agreement would be required for impacts to jurisdictional streambed. MM-BIO-6 (Designated Biologist Authority), MM-BIO-7 (Compliance Monitoring), MM-BIO-8 (Education Program), and MM-BIO-9 (Construction Monitoring Notebook) would require that all workers complete a WEAP training, and would require ongoing biological monitoring and compliance with all biological resource mitigation requirements. MM-BIO-11 (Hazardous Waste) would ensure that a prompt and effective response to any accidental chemical spills would be implemented, and that repair and clean-up of any hazardous waste would occur. To reduce fugitive dust resulting from construction and to minimize adverse air quality impacts, the Project would employ dust mitigation measures in accordance with the Mojave Desert Air Quality Management District's Rules 401 and 403.2, which would limit the amount of fugitive dust generated during construction.

Implementation of MM-BIO-6 (Designated Biologist Authority), MM-BIO-7 (Compliance Monitoring), MM-BIO-8 (Education Program), MM-BIO-9 (Construction Monitoring Notebook), MM-BIO-11 (Hazardous Waste), and MM-BIO-16 (Aquatic Resources Mitigation) would reduce potential direct impacts to jurisdictional aquatic resources to less than significant.

7.4.2 Indirect Impacts

Potential short-term indirect impacts would be significant absent mitigation. Implementation of MM-BIO-6 (Designated Biologist Authority) gives the Project's designated biologist the authority to stop work if construction is not compliant with this CEQA document. MM-BIO-7 (Compliance Monitoring) requires that an experienced biologist oversee compliance with the protective measures, including limiting impacts within the Project footprint. MM-BIO-8 (Education Program) would provide construction personnel with training related to waters of the state that are present on and adjacent to the impact footprint. MM-BIO-9 (Construction Monitoring Notebook) provides for documentation that the education program was administered to applicable personnel. MM-BIO-10 (Delineation of Property Boundaries) requires that impacts occur within the fenced, staked, or flagged area that is clearly delineated within the Project impact footprint. The construction crew would be responsible for unauthorized impacts from construction activities to waters of the state that are outside the permitted Project footprint. Thus, implementation of MM-BIO-6 through MM-BIO-10 would enable the Project to avoid and minimize inadvertent spillover impacts outside of the approved impact footprint.

MM-BIO-11 (Hazardous Waste) would ensure that a prompt and effective response to any accidental chemical spills would be implemented, and that repair and clean-up of any hazardous waste would occur. Thus, implementation of MM-BIO-11 (Hazardous Waste) would help to avoid and minimize impacts to waters of the state from any construction-related chemical spills.

A Stormwater Pollution Prevention Plan would be prepared and implemented to prevent all construction pollutants from contacting stormwater during construction activities, with the intent of keeping sediment and any other pollutants from moving off site and into receiving waters. BMPs employed on site would include erosion control, sediment control, and non-stormwater good housekeeping. Preparation and implementation of a Stormwater Pollution Prevention Plan would help to avoid and minimize the potential effects of stormwater erosion during construction.

Potential long-term (post-construction) indirect impacts from operations and maintenance activities may include changes in water quality and accidental chemical spills.

Implementation of low-impact-development features and BMPs would, to the maximum extent practicable, reduce the discharge of pollutants into receiving waters, including inadvertent release of pollutants (e.g., hydraulic fluids and petroleum); the improper management of hazardous materials; trash and debris; and the improper management of portable restroom facilities (e.g., regular service) in accordance with all relevant local and state development standards. In addition, in accordance with CalGreen requirements (California Green Building Standards Code, CCR, Title 24, Part 11), Project source controls to improve water quality would be provided for outdoor material storage areas, outdoor trash storage/waste handling areas, and outdoor loading/unloading areas. Therefore, impacts to western Joshua trees due to changes in water quality would be avoided and minimized through implementation of low-impact-development features and BMPs.

MM-BIO-11 (Hazardous Waste) would ensure that a prompt and effective response to any accidental chemical spills would be implemented, and repair and clean-up of any hazardous waste occurs. Thus, implementation of MM-BIO-11 (Hazardous Waste) would help to avoid and minimize impacts to jurisdictional aquatic resources from any operations-related chemical spills.

Implementation of MM-BIO-6, (Designated Biologist Authority), MM-BIO-7 (Compliance Monitoring), MM-BIO-8 (Education Program), MM-BIO-9 (Construction Monitoring Notebook), MM-BIO-10 (Delineation of Property

Boundaries), and MM-BIO-11 (Hazardous Waste) would reduce potential indirect impacts to jurisdictional aquatic resources to less than significant.

7.4.3 Mitigation Measures

Significant direct permanent impacts would occur to state-defined non-wetland waters as a result of Project activities. Short-term and long-term indirect impacts to jurisdictional waters relating to construction activities (edge effects) and trash/pollution would not likely result in significant impacts, especially with the application of the standard BMPs that would be implemented during Project construction. Incorporation of MM-BIO-6 through MM-BIO-11 and MM-BIO-16 is required to reduce impacts to a less-than-significant level.

MM-BIO-16 Aquatic Resources Mitigation. The Project site supports aquatic resources that are jurisdictional under the Regional Water Quality Control Board (RWQCB) and California Department of Fish and Wildlife (CDFW). Prior to construction activity, the Project applicant shall coordinate with the Lahontan RWQCB (Region 6) to ensure conformance with the requirements of Section 401 of the Clean Water Act and the Porter-Cologne Water Quality Control Act. Prior to activity within CDFW jurisdictional streambeds or associated riparian habitat, the applicant shall coordinate with CDFW (Inland Deserts Region 6) relative to conformance with the Lake and Streambed Alteration permit requirements.

The Project shall mitigate to ensure no-not-loss of waters at a minimum of 1:1 with re-establishment credits (0.06 acres RWQCB/CDFW) for impacts to aquatic resources as part of an overall strategy to ensure no net loss. Mitigation shall be completed through the use of a mitigation bank (e.g., West Mojave Mitigation Bank) or other applicant-sponsored mitigation. Final mitigation ratios and credits shall be determined in consultation with the RWQCB and/or CDFW based on agency evaluation of current resource functions and values and through each agency's respective permitting process.

Should applicant-sponsored mitigation be implemented, a Habitat Mitigation and Monitoring Plan (HMMP) shall be prepared in accordance with State Water Resources Control Board guidelines and approved by the agencies in accordance with the applicable permits. The HMMP shall include a conceptual planting plan, including planting zones, grading, and irrigation, as applicable; a conceptual planting plant palette; a long-term maintenance and monitoring plan; annual reporting requirements; and proposed success criteria. Any off-site applicant-sponsored mitigation shall be conserved and managed in perpetuity.

Best management practices shall be implemented to avoid any indirect impacts on jurisdictional waters, including the following:

- Vehicles and equipment shall not be operated in ponded or flowing water except as described in permits.
- Water containing mud, silt, or other pollutants from grading or other activities shall not be allowed to enter jurisdictional waters or be placed in locations that may be subjected to high storm flows.

- Spoil sites shall not be located within 30 feet from the boundaries of jurisdictional waters or in locations that may be subject to high storm flows, where spoils might be washed back into drainages.
- Raw cement/concrete or washings thereof, asphalt, paint or other coating material, oil or other petroleum products, or any other substances that could be hazardous to vegetation or wildlife resources resulting from Project-related activities shall be prevented from contaminating the soil and/or entering avoided jurisdictional waters.
- No equipment maintenance shall be performed within 100 feet of jurisdictional waters, including wetlands and riparian areas, where petroleum products or other pollutants from the equipment may enter these areas. Fueling of equipment shall not occur on the Project site.

7.5 Impact BIO-4: Wildlife Corridors and Migratory Routes

The following significance determinations were made based on the impacts of the Project, and proposed mitigation measures referenced in Section 7.5 are provided in Section 7.2.3.

7.5.1 Direct Impacts

No significant direct permanent impacts would occur on wildlife movement or use of native wildlife nursery sites associated with Project activities. Existing nearby habitat linkages and wildlife corridor functions would remain intact while construction activities are conducted and following Project completion. Therefore, implementation of the Project would not result in significant direct impacts to wildlife corridors or migratory routes.

7.5.2 Indirect Impacts

Construction-related short-term noise and work in the vicinity would be temporary and would not be expected to significantly disrupt wildlife movement due to ambient noise conditions and the ability for wildlife to continue to move around the construction area and upland portions of the BSA during and after construction. Temporary disturbance to local species may occur but would not substantially degrade the quality or use of the vegetation communities in the vicinity. Work activities are not currently proposed during the night-time. Therefore, implementation of the Project would not result in significant short-term indirect impacts to wildlife corridors or migratory routes.

Potential long-term (post-construction) indirect impacts from operations and maintenance activities could disrupt wildlife movement around the Project site due to increased lighting from buildings. MM-BIO-13 (Lighting) would ensure all lighting during operations and within 50 feet of the outside edge of the impact footprint containing habitat for special-status wildlife would be directed away from natural areas.

Implementation of MM-BIO-13 (Lighting) would reduce potential indirect impacts to wildlife movement to less than significant.

7.6 Impact BIO-5: Local Policies or Ordinances

The following significance determinations were made based on the impacts of the Project, and proposed mitigation measures referenced in Section 7.6 are provided in Section 7.2.3.

California Desert Native Plants and Western Joshua Tree

Pursuant to MM-BIO-2 (Relocation of Desert Native Plants), the Project applicant will submit an application and applicable fee paid to the City of Hesperia for removal or relocation of protected native desert plants (i.e., western Joshua tree) under Hesperia Municipal Code Chapter 16.24. The application will include certification from a qualified Joshua tree and native desert plant expert(s) to determine that proposed removal or relocation of protected native desert plants are appropriate, supportive of a healthy environment, and in compliance with the City of Hesperia Municipal Code. The application will include the Joshua Tree Preservation, Protection, and Relocation Plan and Desert Native Plant Relocation Plan (Appendix F). The plan will be prepared by a qualified Joshua Tree and native desert plant expert. With the incorporation of mitigation, and with adherence to both the CDNPA and the Hesperia Municipal Code, impacts associated with western Joshua tree and desert native plants would be less than significant.

The Project could result in potentially significant impacts to native desert plants (e.g., western Joshua trees), which are addressed by state and local plant and tree preservation regulations, absent mitigation. Implementation of MM-BIO-1 (Conservation of Western Joshua Tree Lands) and MM-BIO-2 (Relocation of Desert Native Plants) would reduce potential impacts California desert native plants (including western Joshua tree) to less than significant.

7.7 Impact BIO-6: Habitat Conservation Plans

The Project would not conflict with the conservation criteria associated with the California Desert Conservation Area Plan or Desert Renewable Energy Conservation Plan. Therefore, the project would not be in conflict with any Habitat Conservation Plans.

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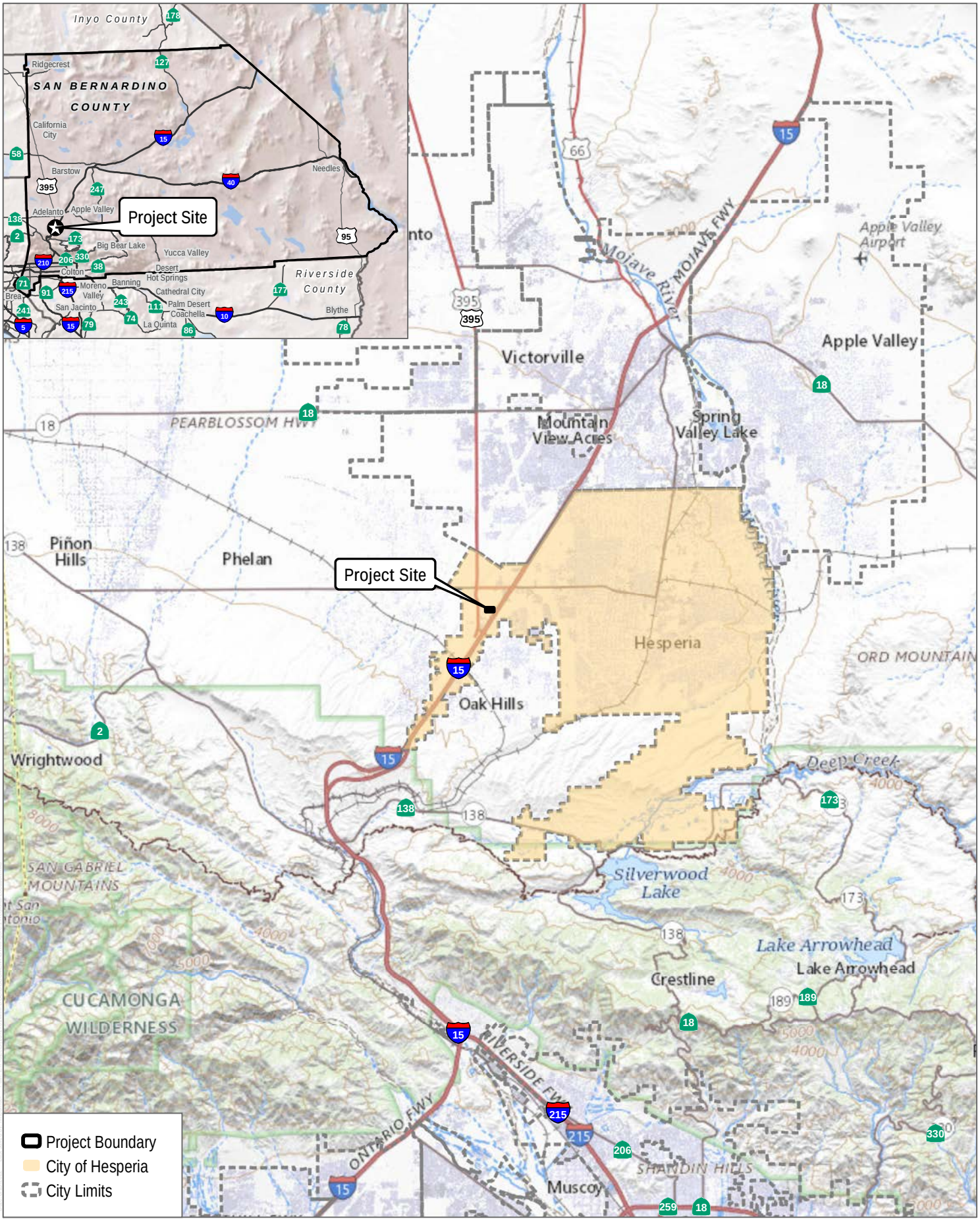
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SOURCE: USGS Topo Maps 2022; County of San Bernadino 2022

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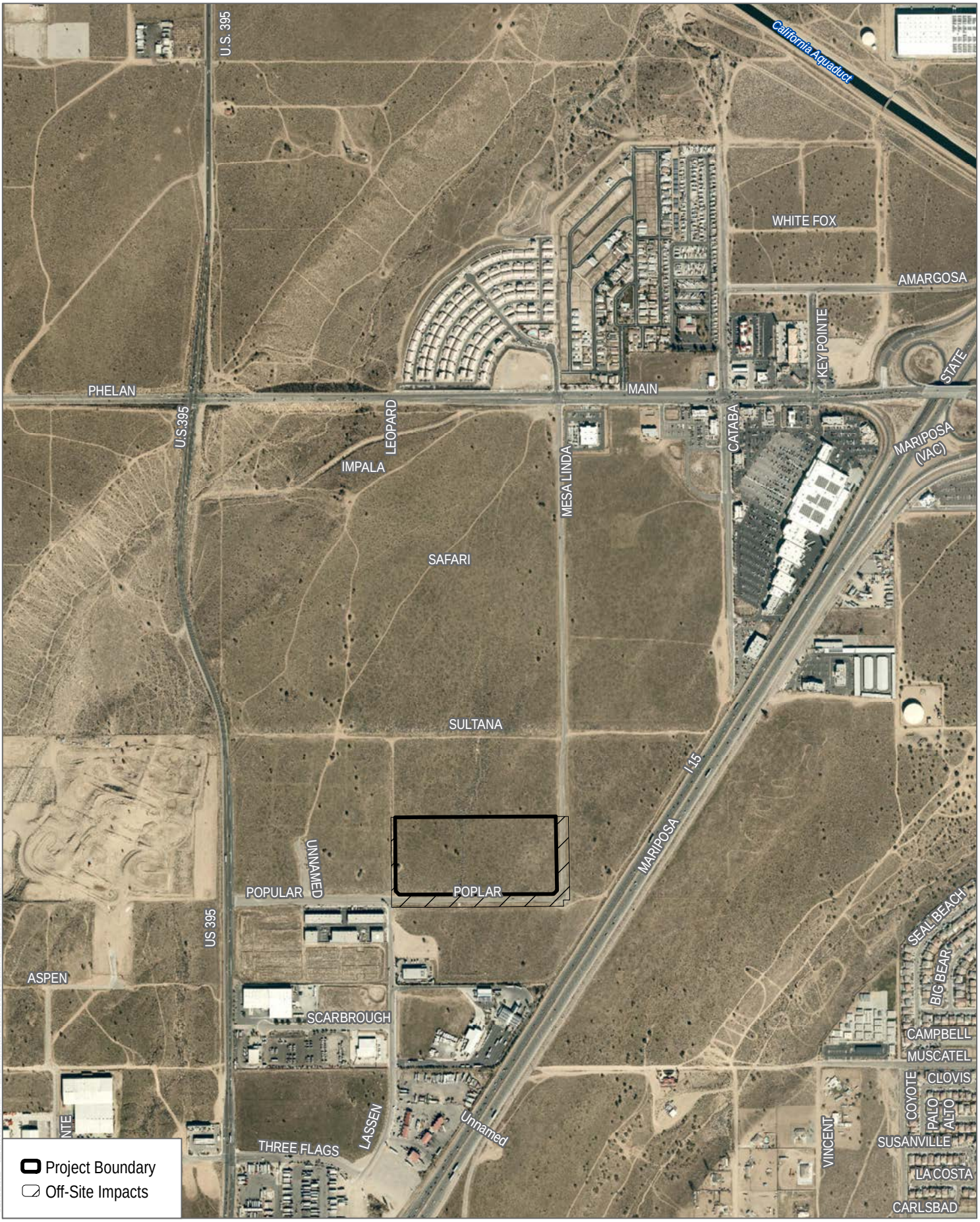
0 10,500 21,000 Feet

FIGURE 1

Regional Map

Biological Resources Technical Report for the Poplar 18 Project

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SOURCE: Bing Maps; County of San Bernadino 2017

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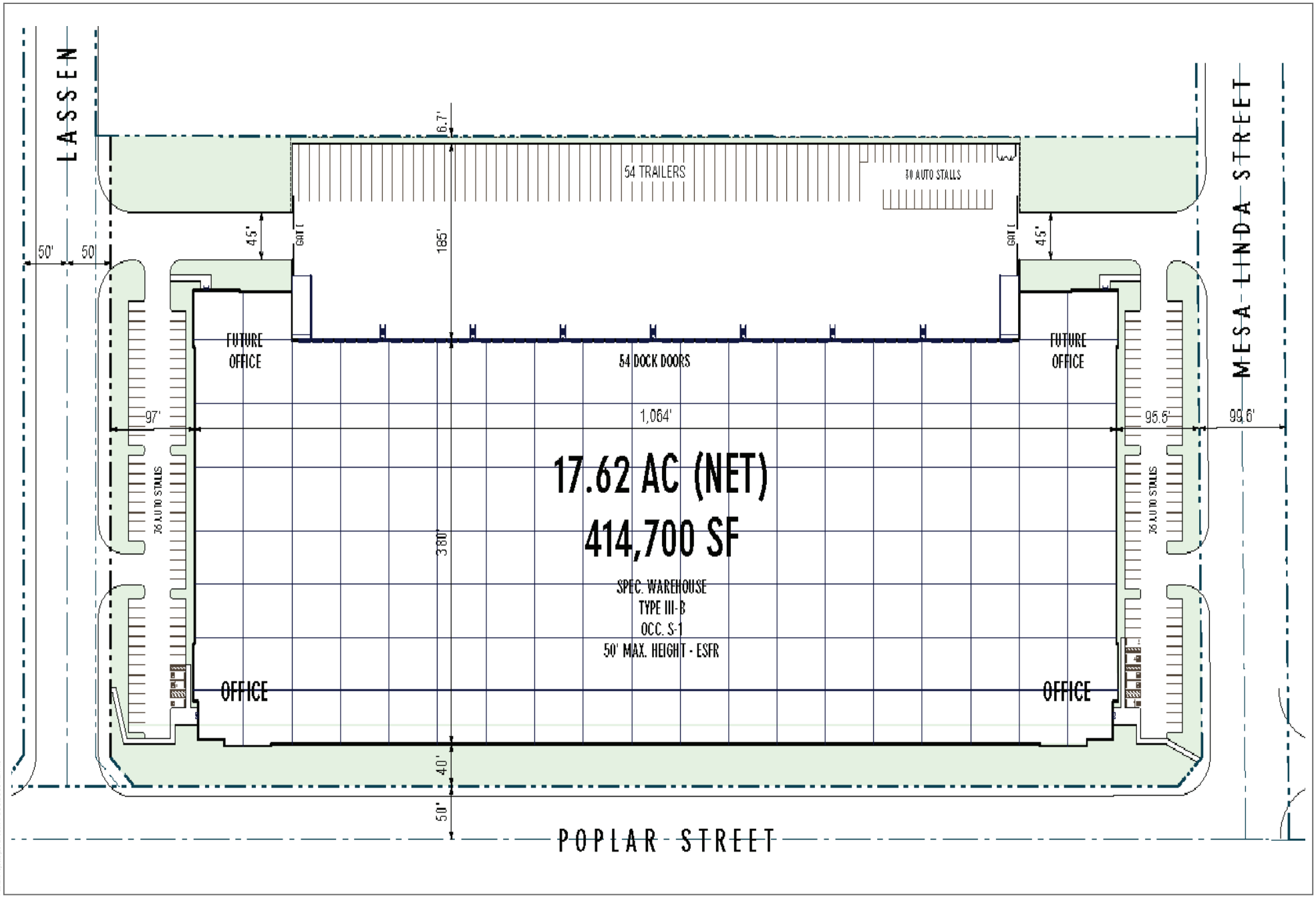
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FIGURE 2

Project Vicinity

Biological Resources Technical Report for Poplar 18 Project

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SOURCE: RGA Office of Architectural Design 2021

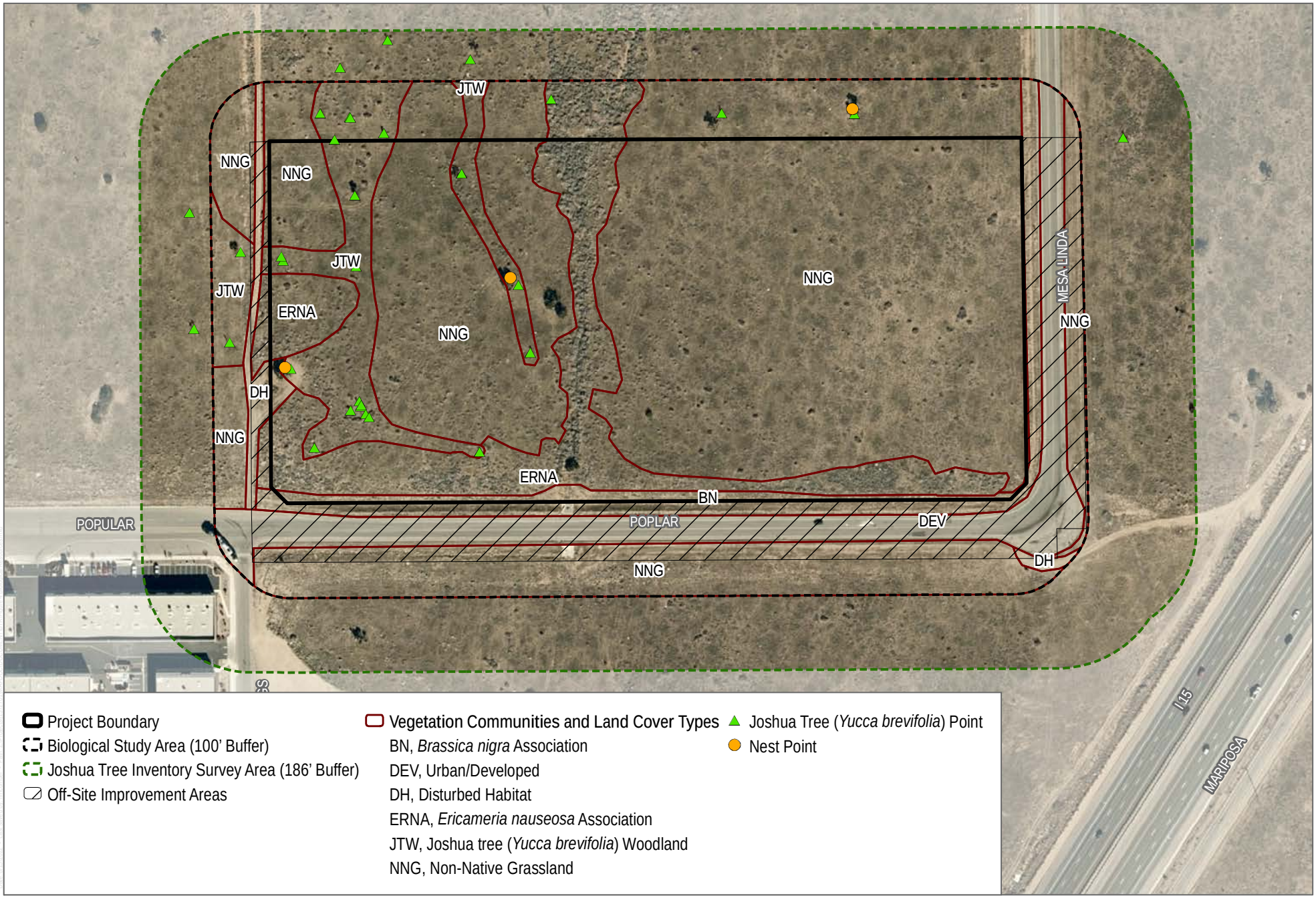
FIGURE 3

Project Site Plan

Biological Resources Technical Report for Poplar 18 Project

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SOURCE: Bing Maps; County of San Bernadino 2017

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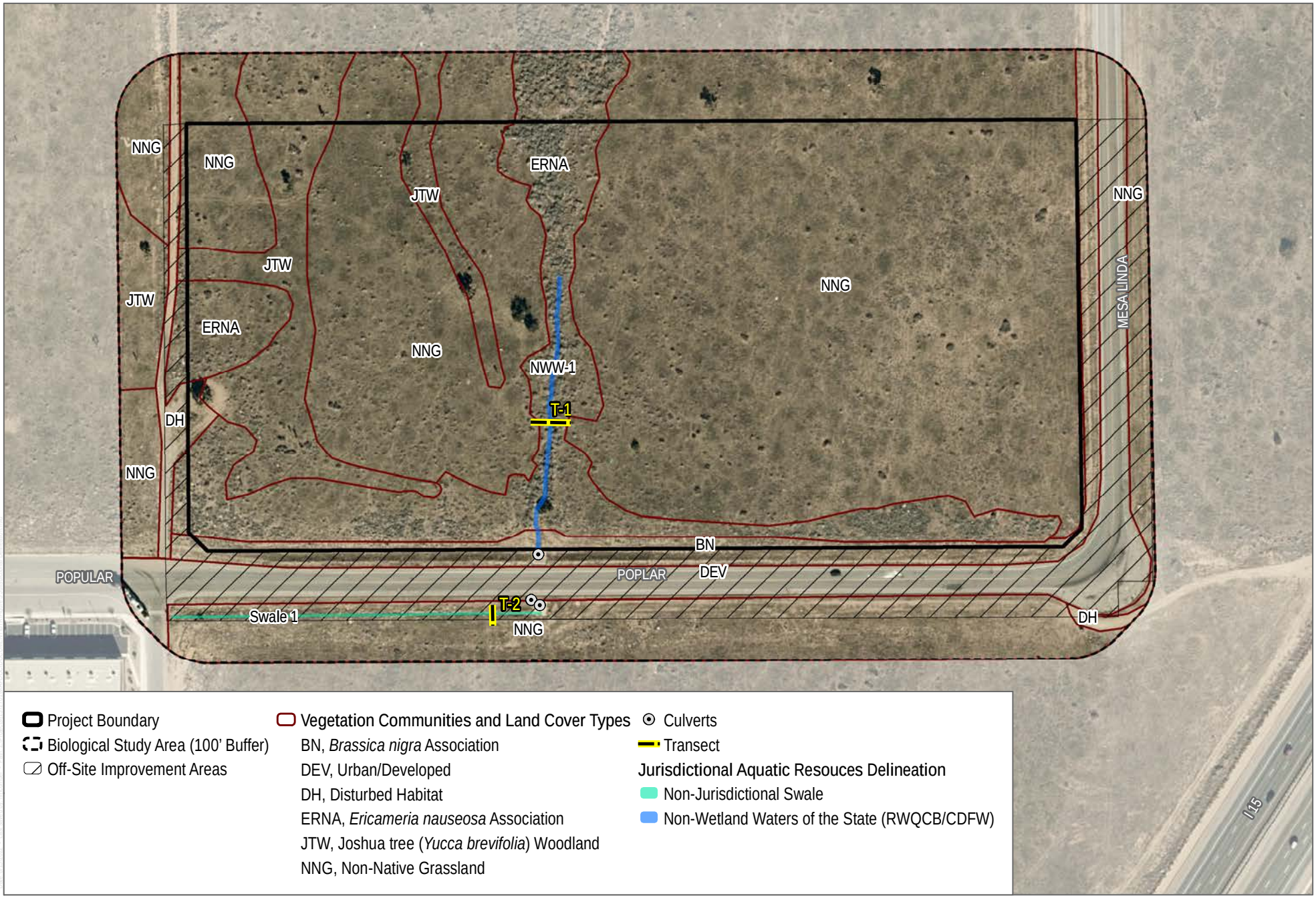
0 110 220 Feet

FIGURE 4

Biological Resources

Biological Resources Technical Report for Poplar 18 Project

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SOURCE: Bing Maps; County of San Bernadino 2017

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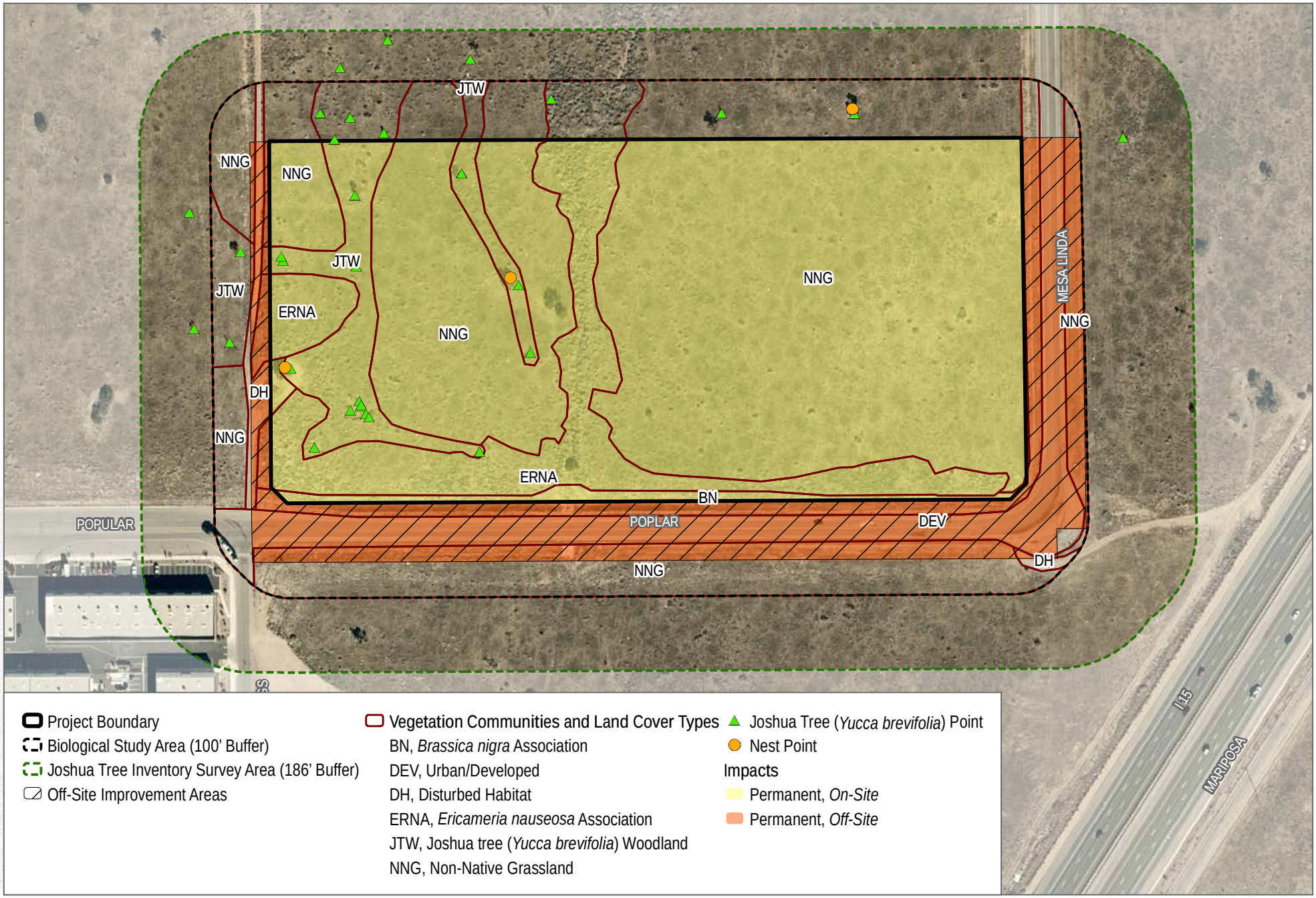
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FIGURE 5

Jurisdictional Delineation

Biological Resources Technical Report for Poplar 18 Project

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SOURCE: Bing Maps; County of San Bernadino 2017

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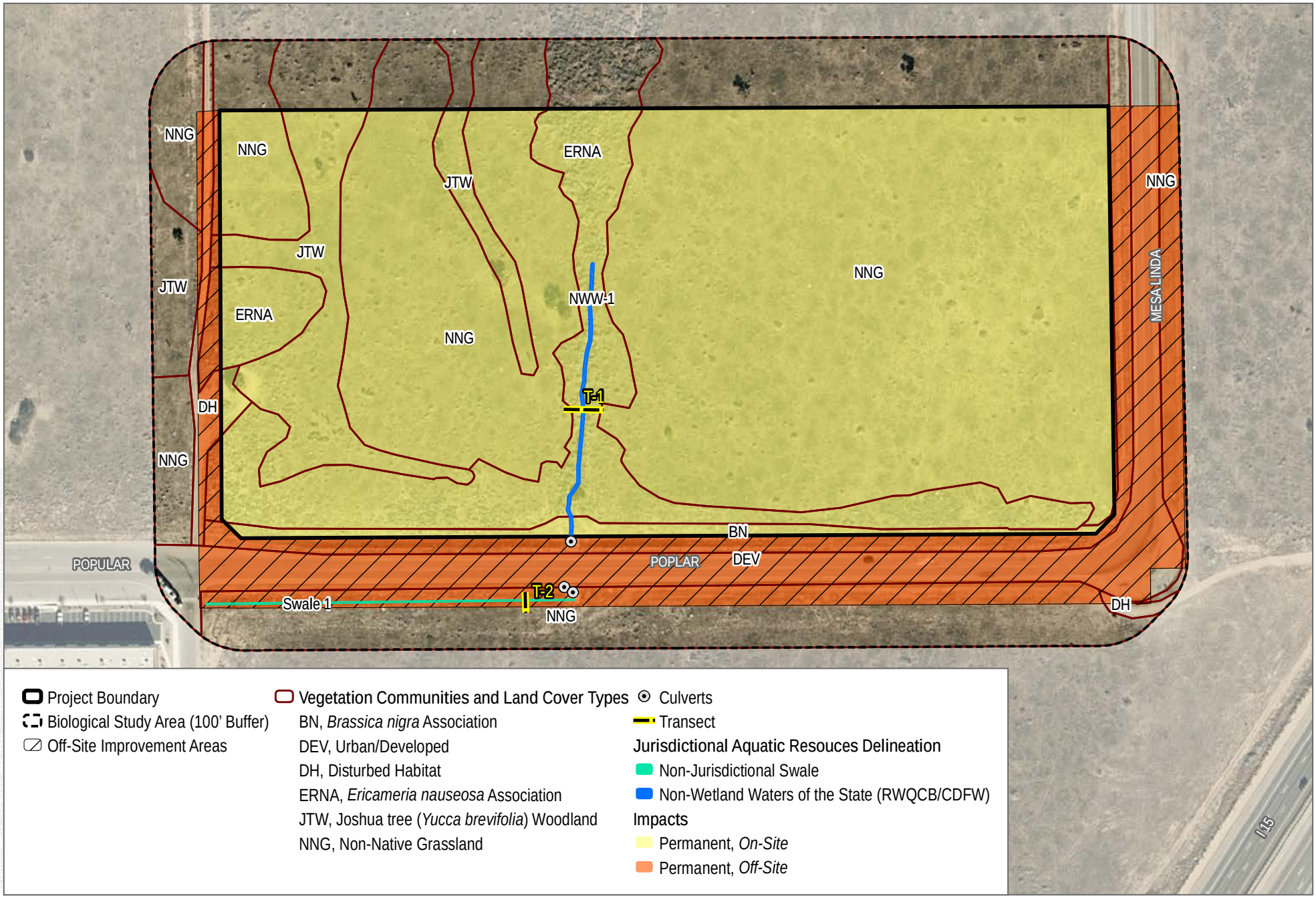
0 110 220 Feet

FIGURE 6

Impacts to Biological Resources

Biological Resources Technical Report for Poplar 18Project

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SOURCE: Bing Maps; County of San Bernadino 2017

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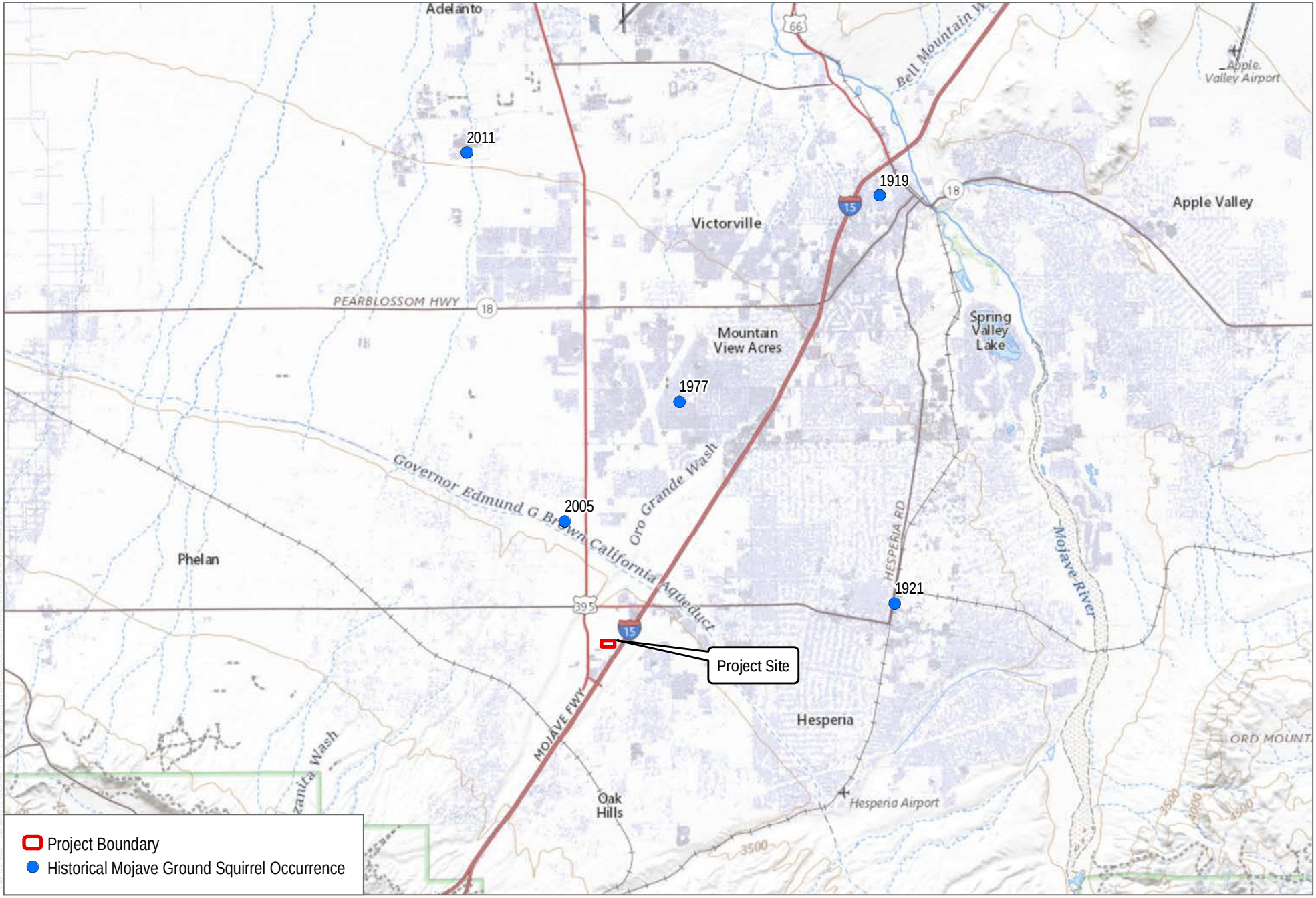
0 90 180 Feet

FIGURE 7

Impacts to Jurisdictional Aquatic Resources

Biological Resources Technical Report for Poplar 18 Project

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SOURCE: CNDDB 2021, USGS

FIGURE 8

Historical Mojave Ground Squirrel Occurrences

Biological Resources Technical Report for Poplar 18 Project

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Appendix A

Aquatic Resources Delineation Report

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

August 15, 2022 13727

Dana Whitmer
Poplar 18, LLC
14180 Dallas Parkway, Suite 730
Dallas, Texas 75254

Subject: **Aquatic Resources Delineation Report for the Poplar 18 Project, Hesperia, San Bernardino County, California**

Dear Mr. Whitmer:

This Aquatic Resources Delineation Report is being provided for the Poplar 18 Project (Project) to the U.S. Army Corps of Engineers (USACE) in accordance with the Minimum Standards for Acceptance of Aquatic Resources Delineation Reports (USACE 2016). This report and supporting attachments provide the 20 items listed in the Minimum Standards for Acceptance of Aquatic Resources Delineation Reports (USACE 2016).

Item 1: Request for a Jurisdictional Determination

Attachment A contains the USACE Regulatory Program Approved Jurisdictional Determination Form and Request for a Jurisdictional Determination.

Item 2: Contact Information

Applicant	Poplar 18, LLC	**Agent**	Dudek
Contact Name	Dana Whitmer	**Contact Name**	Britney Strittmater
Address	14180 Dallas Parkway, Suite 730 Dallas, Texas 75254	**Address**	78-075 Main Street, Suite G-203 La Quinta, California 92253
Phone	949.514.0274	**Phone**	760.341.6660
Fax	None	**Fax**	760.346.6118
Email	dana@mcwhitproperties.com	**Email**	bstrittmater@dudek.com

Item 3: Site Access

The applicant or agent will accompany USACE staff to the Project site (review area) if site visits are deemed necessary.

Item 4: Directions to the Review Area

The review area is located at the southwest quadrant of Interstate (I) 15 and Main Street, specifically, south of Main Street, west of Cataba Road and Mesa Linda Street, north of I-15 and Poplar Street, and east of U.S. Highway 395 and Lassen Road in Hesperia, California (Figure 1, Project Location; all figures are provided in Attachment B). Specifically, the review area is located in in Section 22, Township 4 North, Range 5 West, as depicted on the U.S. Geological Survey Baldy Mesa, California 7.5-minute topographic quadrangle map (Figure 2, USGS Topographic Map).

Regional access to the review area is provided via I-15, directly east of the review area, and U.S. Highway 395, directly west of the review area. Local access to the review area is provided via Poplar Street to Lassen Road or off Mesa Linda Street. Heading north on I-15, take exit 141 to U.S. Highway 395 North, continue north on U.S. Highway 395 approximately 1.1 miles, turn right on Poplar Street continuing east approximately 0.5 miles; the review area is north of Poplar Street.

Item 5: Aquatic Resources Delineation Methods

The USACE Regulatory Program regulates activities pursuant to Section 404 of the Clean Water Act. USACE regulates "discharge of dredged or fill material" into "waters of the United States." The limits of USACE jurisdiction in non-tidal waters, such as intermittent streams, extend to the "ordinary high water mark" (OHWM), which is defined in 33 Code of Federal Regulations 328.3(c)(7) as "that line on the shore established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas." The term "adjacent wetlands" (a subset of waters of the United States) is defined in 33 Code of Federal Regulations 328.3(c)(16) as "areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas."

USACE defines wetlands as areas that contain hydrophytic vegetation, hydric soils, and wetland hydrology, in accordance with the procedures established in the 1987 U.S. Army Corps of Engineers Wetlands Delineation Manual (USACE 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (USACE 2008a). This aquatic resources delineation followed these two manuals, plus the additional information from A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States: A Delineation Manual (USACE 2008b).

An Antecedent Precipitation Tool was used to document the climatological data around the delineation dates (see Attachment C). The review area received rainfall in early September and late October 2021, and the conditions were considered "wetter than normal"; however, the drought index is considered "severe."

Item 6: Aquatic Resources Narrative

Overall, the review area landscape drains water in a northeasterly direction. One unvegetated ephemeral drainage (NWW-1) is present within the review area, specifically within the central portion of the review area, north of Poplar Street. This feature bisects the review area flowing south to north, and likely originates from stormwater flows/runoff from Poplar Street. A culvert and storm drain are located north and south of Poplar Street. This feature flows approximately 396 feet until dissipating as sheet flow across the landscape. Therefore, these features do not meet the relatively permanent or significant nexus standard as a waters of the United States. Therefore, no potential USACE jurisdictional aquatic resources (i.e., USACE regulated non-wetland waters or wetlands) were delineated within the review area, as shown in Figure 3, Aquatics Resource Delineation. The review area did not contain any features that met the USACE three-parameter wetland criteria, and lacked riparian or hydrophytic vegetation; therefore, wetland determination data forms were not completed. A discussion of the USACE jurisdictional aquatic resources is described below.

Wetlands

No riparian or hydrophytic vegetation occurs within the review area, and no hydric soils are mapped within the review area; therefore, there are no wetlands with the review area.

Non-Wetland Waters

As described above, there are no non-wetland waters of the United States with the review area because these features do not meet the relatively permanent or significant nexus standard.

Non-USACE Jurisdictional Aquatics Resources

See Attachment D for a discussion of areas under the jurisdiction of the California Department of Fish and Wildlife and Regional Water Quality Control Board.

Item 7: Delineation Maps

All maps of delineated aquatic resources are provided in Attachment B.

Item 8: Dates of Fieldwork

Dudek biologist Tracy Park conducted an aquatic resources delineation for the review area in November 2021. Table 1 provides the survey date and conditions for the survey.

Table 1. Schedule of the Aquatic Resources Delineation

Date	Hours	Personnel	Conditions
11/11/2021	9:58 AM–12:15 PM	Tracy Park	71°F –72°F; 0% cloud cover; 1–5 mph wind

Item 9: Table of Aquatic Resources

No potential USACE jurisdictional aquatic resources (i.e., USACE regulated non-wetland waters or wetlands) were delineated within the review area; therefore, no table is provided. Attachment A includes the Approved Jurisdictional Determination Form, which describes that aquatic resources do not meet the relatively permanent or significant nexus standard.

Item 10: Review Area Description

The review area consists of Assessor's Parcel Numbers 3064-581-04-0000 and 3064-581-05-0000, and is located in the western part of the City of Hesperia, within the Victor Valley region of San Bernardino County (see Figure 1). The review area is located on the southwest quadrant of I-15 and Main Street. The Project site is located south of Main Street, west of Cataba Road and Mesa Linda Street, north of I-15 and Poplar Street, and east of U.S. Highway 395 and Lassen Road. The review area is currently open, vacant desert lands with surface elevation ranging between approximately 3,600 and 3,630 feet above mean sea level. The review area is located in in Section 22, Township 4 North, Range 5 West, as depicted on the U.S. Geological Survey Baldy Mesa, California 7.5-minute topographic quadrangle map (see Figure 2). The approximate center of the review area corresponds to 34.416294 latitude and -117.393089 longitude.

Within the review area, vegetation communities and land cover types include rubber rabbitbrush (*Ericameria nauseosa*) scrub, Joshua tree (*Yucca brevifolia*) woodland, upland mustards, non-native grasslands, disturbed habitat, and urban/developed lands. The review area is dominated by upland plant species, including rubber rabbitbrush, creosote bush (*Larrea tridentata*), Cooper's goldenbush (*Ericameria cooperi* var. *cooperi*), California buckwheat (*Eriogonum fasciculatum* var. *polifolium*), and Mexican bladdersage (*Scutellaria mexicana*), along with non-native grasses including ripgut brome (*Bromus diandrus*), soft brome (*Bromus hordeaceus*), cheatgrass (*Bromus tectorum*), and common Mediterranean grass (*Schismus barbatus*).

Item 11: Hydrology

The review area is within the South Lahontan Basin, specifically within the Mojave Hydrologic Unit (628.00) and Upper Mojave Hydrologic Area (628.20) (RWQCB 2021). Additionally, the review area is within the Mojave Subbasin Hydrologic Unit Code (HUC) 8 (18090208), Bell Mountain Wash-Mojave River HUC 10 (1809020807), and Oro Grande Wash HUC 12 (180902080704) watersheds. The Mojave Subbasin HUC 8 watershed is approximately 4,618 square miles and consists of several waterbodies, waterways, dry washes, and valleys (UCD SIG 2021). The Mojave River is approximately 8.5 miles to the east. The Oro Grande Wash is a tributary to the Mojave River and is located approximately 0.25 miles west of the review area, and the California Aqueduct is 1 mile to the north (USGS 2022). See Figure 4, Hydrologic Setting.

Item 12: Remote Sensing

No remote sensing was used for this aquatic resources delineation.

Item 13: Soils

According to the U.S. Department of Agriculture Natural Resource Conservation Service's Web Soil Survey (USDA 2022), the review area occurs within the San Bernardino County, Mojave River Area (CA671). The review area consists of one soil type: Hesperia loamy fine sand (2% to 5% slopes). This soil type is shown in Figure 5, Soils, and presented in Table 2. There are no hydric soils within the review area (USDA 2022).

Table 2. Soils within the Review Area

Soil Code	Soil Name	Hydric Rating	Acreage
134	Hesperia loamy fine sand, 2% to 5% slopes	Not Hydric	29.2
		Total	29.2

Item 14: Site Location Maps

All maps are provided in Attachment B.

Item 15: Aquatic Features Spreadsheet

A copy of the ORM Bulk Upload Aquatic Resources or Consolidated Excel spreadsheet is not submitted with this report because there are no waters of the United States.

Item 16: Delineation Maps

All maps are provided in Attachment B.

Item 17: Photographs

Photos of the review area are provided in Attachment E.

Item 18: Data Forms

The OHWM datasheets are provided in Attachment F. Wetland determination data forms were not completed because the review area lacked hydrophytic vegetation.

Item 19: Methods

Jurisdictional boundaries were mapped in the field using an ESRI Collector mobile application with sub-meter accuracy and aerial imagery. Following the fieldwork, aquatic resources were digitized using ArcGIS.

Additionally, the delineation defined areas under the jurisdiction of the California Department of Fish and Wildlife pursuant to California Fish and Game Code Sections 1600–1603, and the Regional Water Quality Control Board pursuant to Clean Water Act Section 401 and the Porter–Cologne Water Quality Control Act. See Attachment D for additional detail regarding California Department of Fish and Wildlife and Regional Water Quality Control Board jurisdictional areas.

Item 20: Digital Data

GIS data of the review area and potential aquatic resources regulated by USACE will be shared via a zip file.

Sincerely,

Britney Strittmater
Biologist

Atts.: A, USACE Regulatory Program Approved Jurisdictional Determination Form and Request for a Jurisdictional Determination
B, Figures
C, Antecedent Precipitation Tool
D, California Department of Fish and Wildlife and Regional Water Quality Control Board Jurisdictional Resources
E, Photographs
F, OHWM Datasheets

References Cited

RWQCB (State of California, Regional Water Quality Control Board, Lahontan Region). 2021. *Water Quality Control Plan for the Lahontan Region North and South Basins*. Effective March 31, 1995; last amended September 22, 2021. https://www.waterboards.ca.gov/lahontan/water_issues/programs/basin_plan/references.html.

UCD SIG (University of California Davis Sustainability Indicators Group). 2021. "Oro Grande Wash." California Water Sustainability. Accessed July 2021. https://indicators.ucdavis.edu/cwip/huc/180902080704.

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USACE. 2008a. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (Version 2.0). Environmental Laboratory, ERDC/EL TR-08-28. Vicksburg, Mississippi: U.S. Army Engineer Research and Development Center. September 2008. https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1046489.pdf.

USACE. 2008b. *A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States: A Delineation Manual*. ERDC/CRREL TR-08-12. Prepared by R.W. Lichvar and S.M. McColley. Hanover, New Hampshire: U.S. Army Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory. August 2008. https://apps.dtic.mil/dtic/tr/fulltext/u2/a486603.pdf.

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USDA (U.S. Department of Agriculture). 2022. Web Soil Survey. USDA Natural Resources Conservation Service, Soil Survey Staff. Accessed May 2022. https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm.

USGS (U.S. Geological Survey). 2022. Flow Lines, Water Points, Watershed Boundaries for Hydrologic Units, Water Bodies (GIS data). National Hydrology Dataset. Last accessed November 2021. http://nhd.usgs.gov/.

Attachment A

USACE Regulatory Program Approved Jurisdictional Determination Form and Request for a Jurisdictional Determination

Appendix 1 - REQUEST FOR CORPS JURISDICTIONAL DETERMINATION (JD)

To: District Name Here

- I am requesting a JD on property located at: NE of 12221 Poplar St.
  (Street Address)
  City/Township/Parish: Hesperia County: San Bernardino State: CA
  Acreage of Parcel/Review Area for JD: 160
  Section: 22 Township: 4N Range: 5W
  Latitude (decimal degrees): 34.416859 Longitude (decimal degrees): -117.392611
  (For linear projects, please include the center point of the proposed alignment.)
- Please attach a survey/plat map and vicinity map identifying location and review area for the JD.
- ☐ I currently own this property. ☐ I plan to purchase this property.
  ☑ I am an agent/consultant acting on behalf of the requestor.
  ☐ Other (please explain): _____.
- Reason for request: (check as many as applicable)
  ☐ I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all aquatic resources.
  ☑ I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all jurisdictional aquatic resources under Corps authority.
  ☐ I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps, and the JD would be used to avoid and minimize impacts to jurisdictional aquatic resources and as an initial step in a future permitting process.
  ☐ I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps; this request is accompanied by my permit application and the JD is to be used in the permitting process.
  ☐ I intend to construct/develop a project or perform activities in a navigable water of the U.S. which is included on the district Section 10 list and/or is subject to the ebb and flow of the tide.
  ☐ A Corps JD is required in order to obtain my local/state authorization.
  ☑ I intend to contest jurisdiction over a particular aquatic resource and request the Corps confirm that jurisdiction does/does not exist over the aquatic resource on the parcel.
  ☐ I believe that the site may be comprised entirely of dry land.
  ☐ Other: _____
- Type of determination being requested:
  ☑ I am requesting an approved JD.
  ☐ I am requesting a preliminary JD.
  ☐ I am requesting a "no permit required" letter as I believe my proposed activity is not regulated.
  ☐ I am unclear as to which JD I would like to request and require additional information to inform my decision.

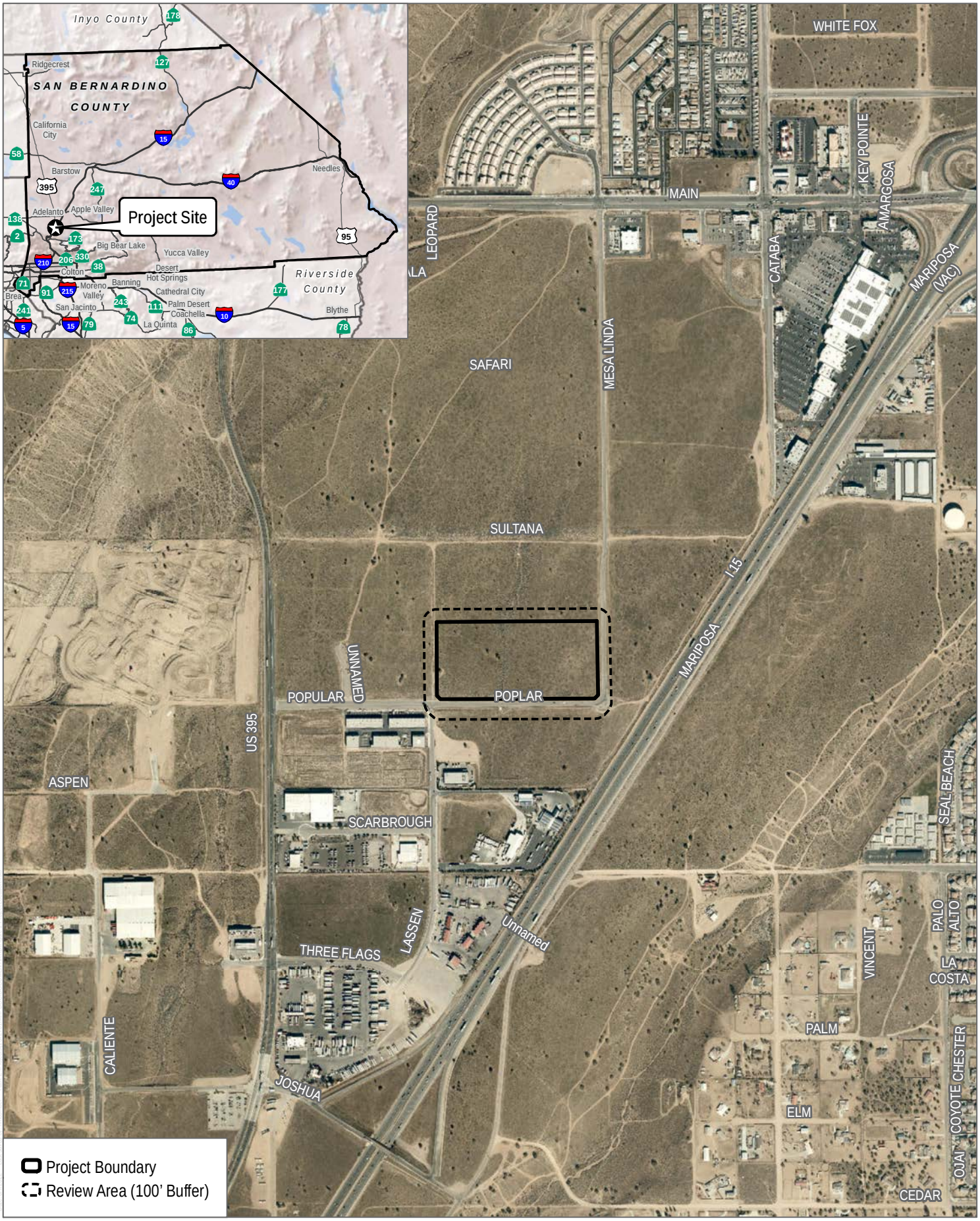
By signing below, you are indicating that you have the authority, or are acting as the duly authorized agent of a person or entity with such authority, to and do hereby grant Corps personnel right of entry to legally access the site if needed to perform the JD. Your signature shall be an affirmation that you possess the requisite property rights to request a JD on the subject property.

*Signature: _____ Date: _____

- Typed or printed name: Dana Whitmer
  Company name: Poplar 18, LLC
  Address: 14180 Dallas Parkway, Suite 730
  Dallas, TX 75254
  Daytime phone no.: 949-514-0274
  Email address: dana@mcwhitproperties.com

***Authorities:** Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.
Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.
Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website.
Disclosure: Submission of requested information is voluntary; however, if information is not provided, the request for an AJD cannot be evaluated nor can an AJD be issued.

Attachment B
Figures



SOURCE: Bing Maps; County of San Bernadino 2017

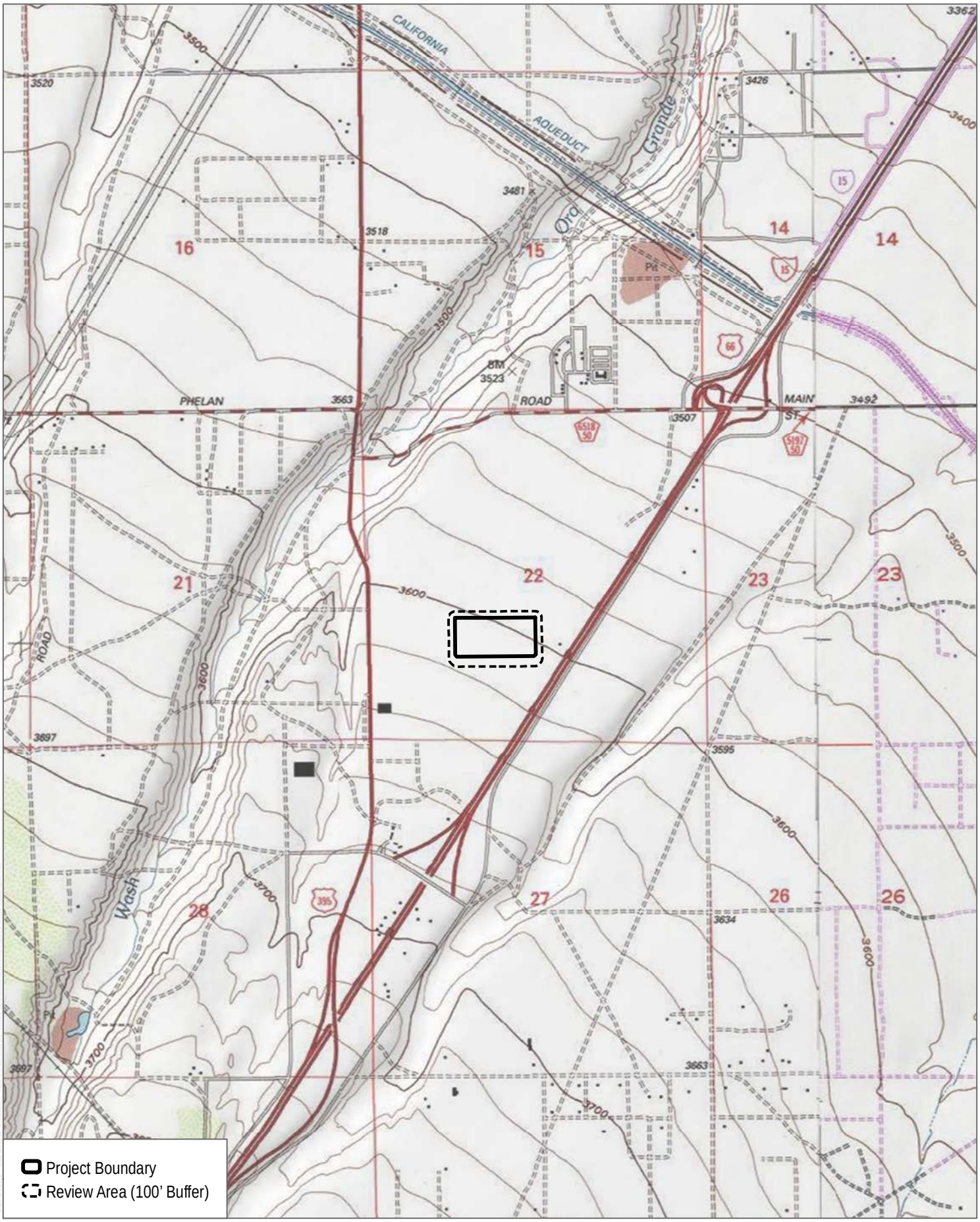
DUDEK

0 500 1,000 Feet

FIGURE 1

Project Location

Aquatic Resources Delineation Report for the Poplar 18 Project



SOURCE: USA Topo Maps 7.5 Minute Quadrangle Baldy Mesa Series
Township 4N; Range 5W; Section 22

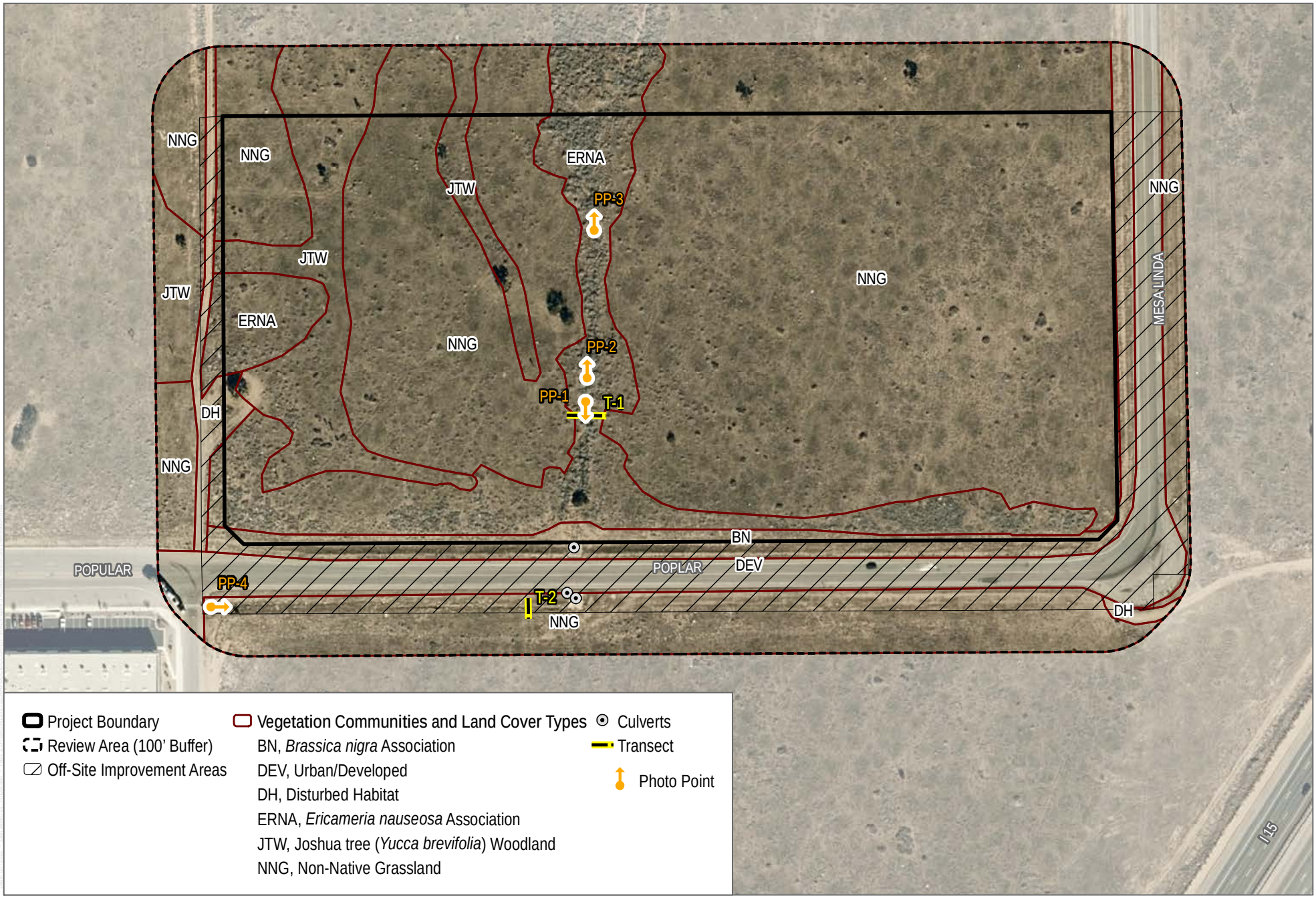
DUDEK

0 1,000 2,000 Feet

FIGURE 2

USGS Topographic Map

Aquatic Resources Delineation Report for the Poplar 18 Project



SOURCE: Bing Maps; County of San Bernadino 2017

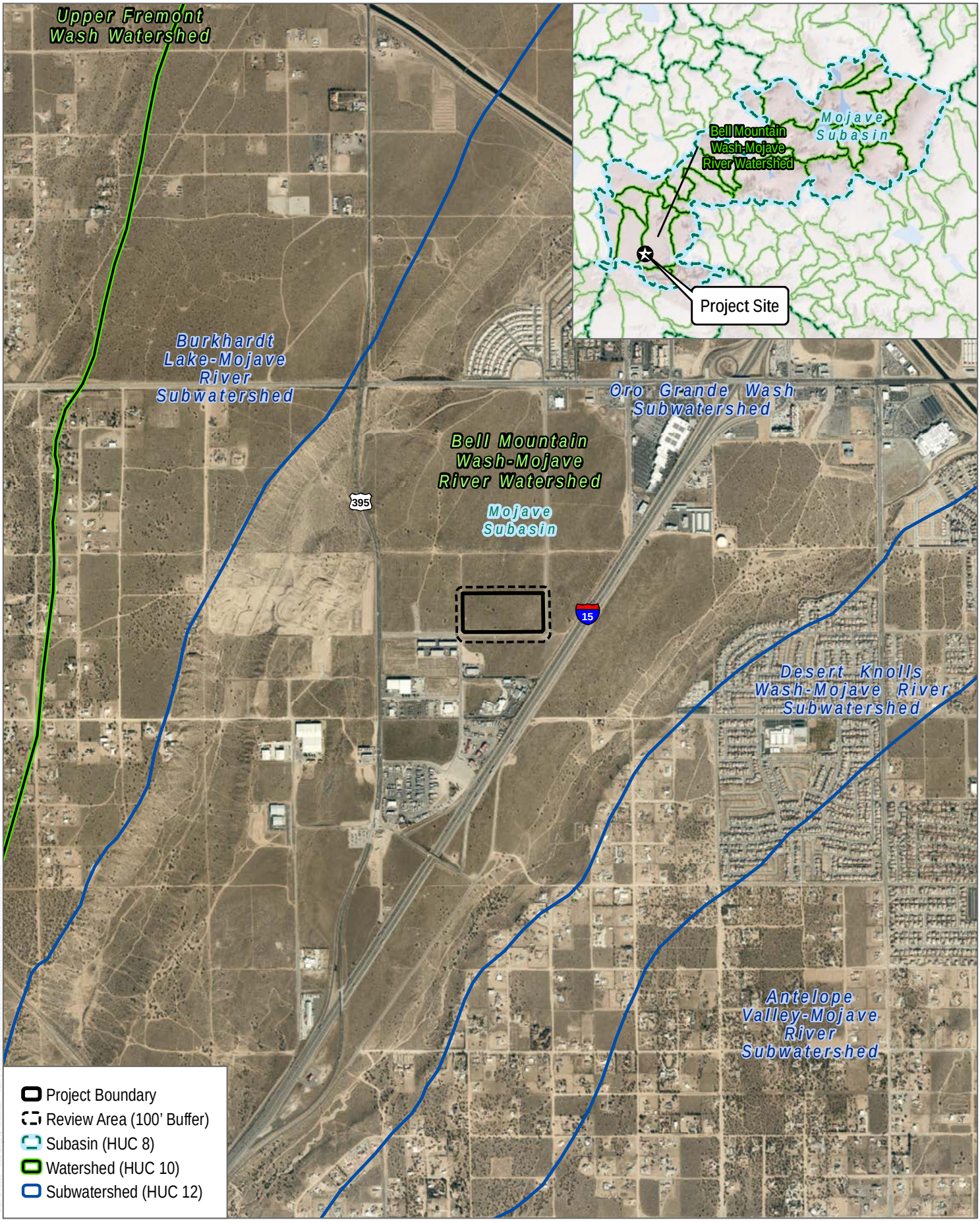
DUDEK

0 90 180 Feet

FIGURE 3

Aquatic Resources Delineation

Aquatic Resources Delineation Report for Poplar 18 Project



SOURCE: Bing Maps; County of San Bernadino 2017; USGS 2021

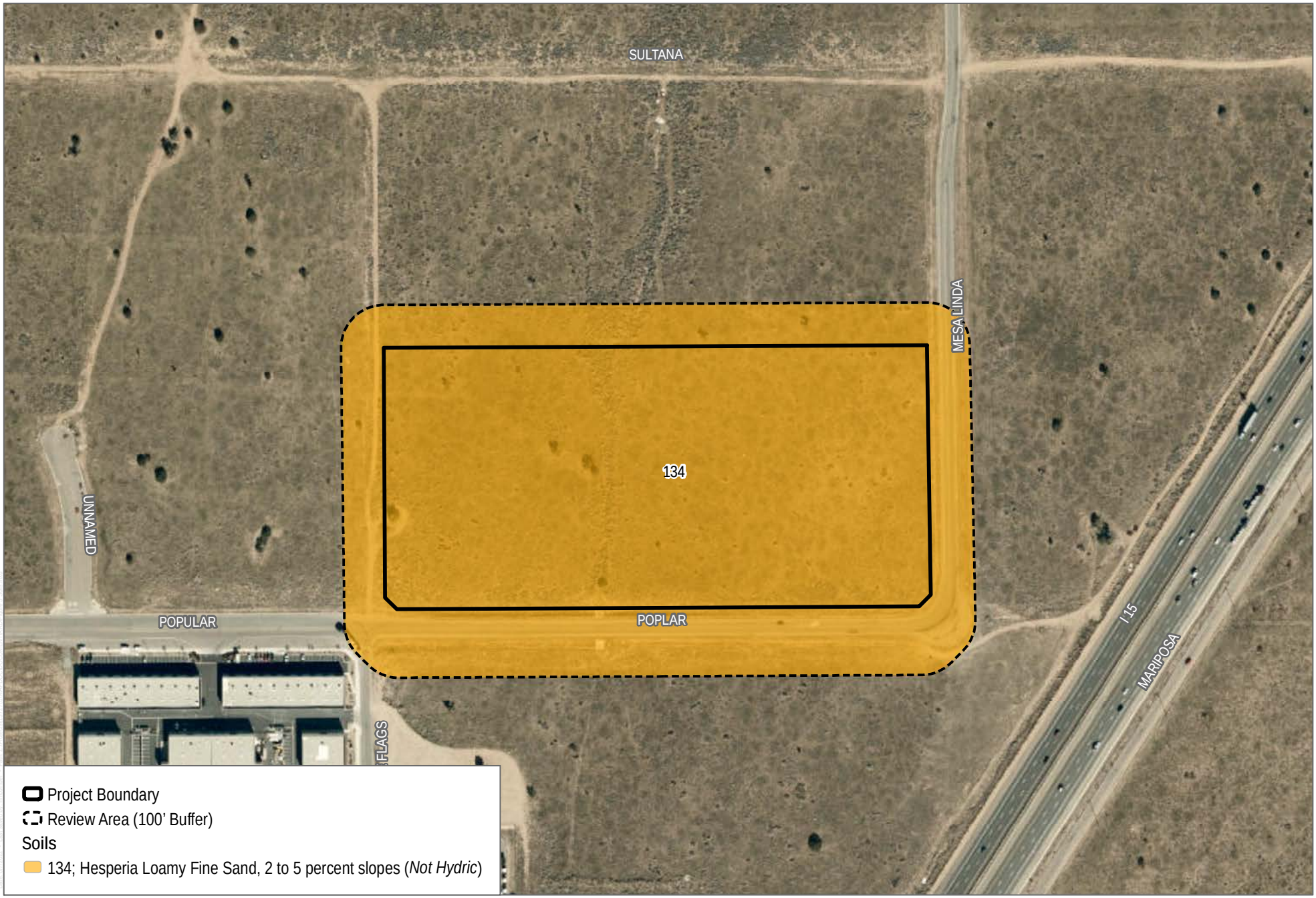
DUDEK

0 1,000 2,000 Feet

FIGURE 4

Hyrdrologic Setting

Aquatic Resources Delineation Report for Poplar 18 Project



SOURCE: Bing Maps; County of San Bernadino 2017; USDA SSURGO 2020

DUDEK

0 150 300 Feet

FIGURE 5

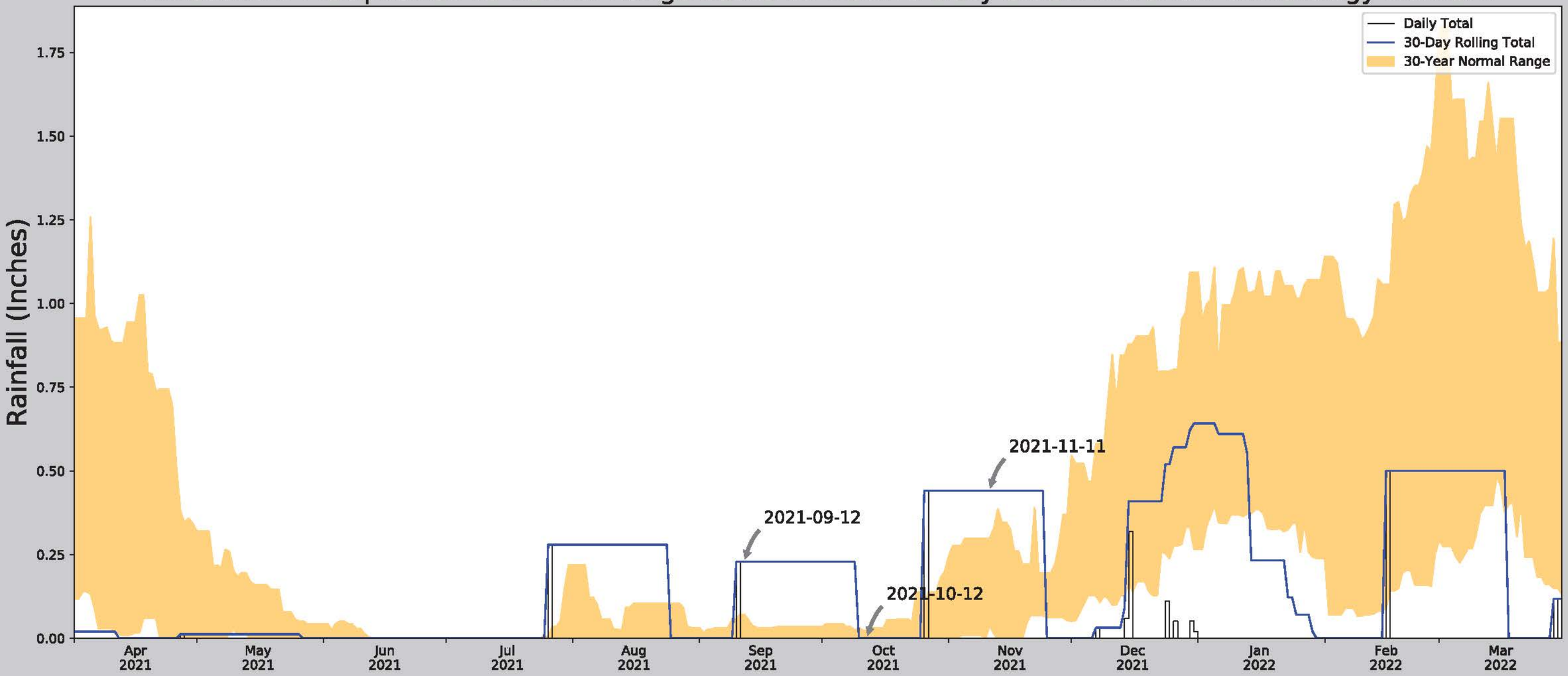
Soils

Aquatic Resources Delineation Report for Poplar 18 Project

Attachment C

Antecedent Precipitation Tool

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	34.416294, -117.393089
Observation Date	2021-11-11
Elevation (ft)	3612.25
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Wet Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-11-11	0.03937	0.298819	0.440945	Wet	3	3	9
2021-10-12	0.0	0.023228	0.0	Normal	2	2	4
2021-09-12	0.0	0.07126	0.228346	Wet	3	1	3
Result							Wetter than Normal - 16

Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days (Normal)	Days (Antecedent)
VICTORVILLE	34.5292, -117.2928	2879.921	9.669	732.329	11.432	11065	90
HESPERIA 3.9 SW	34.3725, -117.3404	3578.084	4.264	34.166	2.064	4	0
HESPERIA 2E	34.4206, -117.2661	3055.118	7.244	557.132	7.296	22	0
ADELANTO 3.1 S	34.5253, -117.4331	3084.974	7.869	527.276	7.69	2	0
APPLE VALLEY 2.6 SSW	34.4957, -117.2353	2880.906	10.531	731.344	12.441	70	0
LYTLE CREEK RS	34.2383, -117.4708	2729.987	13.073	882.263	17.417	68	0
EL MIRAGE	34.5892, -117.6303	2950.131	18.032	662.119	20.054	122	0

Attachment D

California Department of Fish and Wildlife and
Regional Water Quality Control Board
Jurisdictional Resources

Methods

Dudek biologist Tracy Park conducted an aquatic resources delineation for the review area. Table 1 provides the survey date and conditions for the survey. Figure D-1, CDFW and RWQCB Aquatic Resources, depicting waters of the state, is provided at the end of this attachment.

Table 1. Schedule of the Jurisdictional Delineation

Date	Hours	Personnel	Conditions
11/11/2021	9:58 AM–12:15 PM	Tracy Park	71°F –72°F; 0% cloud cover; 1–5 mph wind

Jurisdictional boundaries were mapped in the field using an ESRI Collector mobile application with sub-meter accuracy and aerial imagery. Following the fieldwork, aquatic resources were digitized using ArcGIS.

The jurisdiction-specific methods used to delineate California Department of Fish and Wildlife (CDFW) and Regional Water Quality Control Board (RWQCB) jurisdiction are described below.

CDFW Jurisdiction Methods

The delineation defined areas under the jurisdiction of CDFW pursuant to Sections 1600–1603 of the California Fish and Game Code. CDFW asserts jurisdiction over rivers, streams, lakes, and riparian vegetation associated with these features. A predominance of hydrophytic vegetation, where associated with a stream channel, was used to determine CDFW-regulated riparian areas. Streambeds under the jurisdiction of CDFW were delineated using the Cowardin method of waters classification, which defines waters boundaries by a single parameter (i.e., hydric soils, hydrophytic vegetation, or hydrology). Additionally, waters of the state were delineated based on watercourse characteristics present in the field, which include surface flow, sediment transportation and sorting, physical indicators of channel forms, channel morphology, and riparian habitat associated with a streambed.

RWQCB Jurisdiction Methods

The RWQCB typically asserts jurisdiction over the same areas as the U.S. Army Corps of Engineers (USACE). Guidance from USACE was used to determine the extent of resources regulated by the RWQCB under the Porter-Cologne Act and are described below. Non-wetland waters subject to RWQCB jurisdiction were delineated based on the presence of an ordinary high water mark, as determined by USACE guidance, or any other surface water regulated under the Porter-Cologne Act. Wetland waters subject to RWQCB jurisdiction were assessed based on methods described in the 1987 Corps of Engineers Wetlands Delineation Manual (USACE 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (USACE 2008a). A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States (USACE 2008b) and the Updated Datasheet for the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States (USACE 2010) were reviewed to assist in determining the limits of non-wetland waters under the jurisdiction of the RWQCB. In 2019, the State Water Resources Control Board issued the State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State (SWRCB 2021). These procedures define wetlands that encompass “the full range of wetland types commonly recognized in California, including some features not protected under federal law, and reflects current scientific

understanding of the formation and functioning of wetlands." Per the State Water Resources Control Board, "An area is wetland if, under normal circumstances, (1) the area has continuous or recurrent saturation of the upper substrate caused by groundwater, or shallow surface water, or both; (2) the duration of such saturation is sufficient to cause anaerobic conditions in the upper substrate; and (3) the area's vegetation is dominated by hydrophytes or the area lacks vegetation."

Results

There is 0.06 acres of RWQCB and/or CDFW jurisdictional resources in the review area (Table 2). Figure D-1 shows all aquatic resources identified within the review area.

Table 2. California Department of Fish and Wildlife and Regional Water Quality Control Board Jurisdictional Resources

CDFW Type	RWQCB Type	Total (acres)
Waters of the State (RWQCB and CDFW)		
Streambed	Non-wetland waters	0.06
Subtotal CDFW and RWQCB Jurisdictional Resources		*0.06*
Grand Total		**0.06**

CDFW = California Department of Fish and Wildlife; RWQCB = Regional Water Quality Control Board.

References

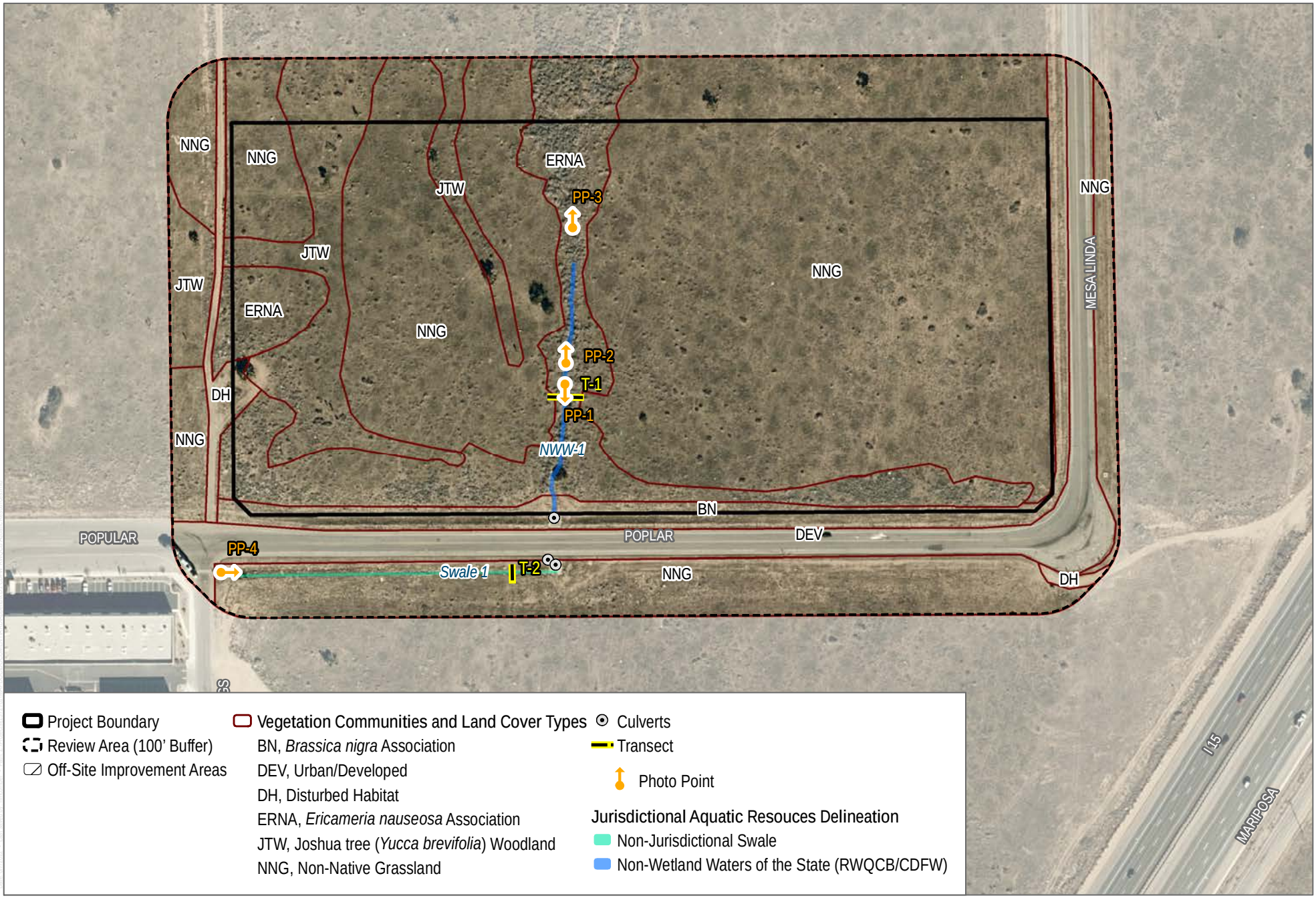
SWRCB (State Water Resources Control Board). 2021. *State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State*. Adopted April 2, 2019; revised April 6, 2021. https://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/procedures_conformed.pdf.

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USACE. 2010. *Updated Datasheet for the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States.* Wetland Regulatory Assistance Program, ERDC/CRREL TN-10-1. Prepared by K.E. Curtis and R.W. Lichvar. Hanover, New Hampshire: U.S. Army Engineer Research and Development Center Cold Regions Research and Engineering Laboratory. July 2010.



SOURCE: Bing Maps; County of San Bernadino 2017

DUDEK

0 100 200 Feet

FIGURE D1

CDFW and RWQCB Aquatic Resources

Biological Resources Technical Report for Poplar 18 Project

Attachment E

Photographs



PP-1. NWW-1 facing south.



PP-2. NWW-1 facing north.



PP-3. Facing north. No OHWM indicators present; flows assumed to dissipate as sheetflow through area.



PP-4. Swale facing east; no OHWM indicators present.

Attachment F

OHWM Datasheets

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: Poplar 18 Industrial Project
Project Number: 13727
Stream: NWW-1
Investigator(s): TKP

Date: 11 Nov 2021 **Time:** —
Town: Hesperia **State:** CA
Photo begin file#: — **Photo end file#:** —

Y ☒ / N ☐ Do normal circumstances exist on the site?

Y ☐ / N ☒ Is the site significantly disturbed?

Location Details: Drainage north of Poplar

Projection: **Datum:**
Coordinates: 34.41643735°N 117.39307598°W

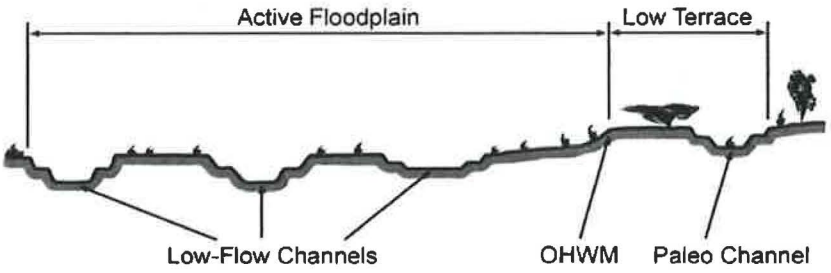
Potential anthropogenic influences on the channel system:
Drainage is located adjucent to a paved road and likely collects runoff. Littering and trash dumping observed within feature

Brief site description: NWW-1 is located at the approximate center of the project site, with higher elevations along the southern boundary. Any flow likely travels from Poplar Street to the center of the site. NWW-1 runs S–N.

Checklist of resources (if available):

- ☒ Aerial photography
  Dates: 1994-2020; 1938-2018
- ☒ Topographic maps
- ☐ Geologic maps
- ☒ Vegetation maps
- ☒ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies
- ☐ Stream gage data
  Gage number:
  Period of record:
- ☐ History of recent effective discharges
- ☐ Results of flood frequency analysis
- ☐ Most recent shift-adjusted rating
- ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

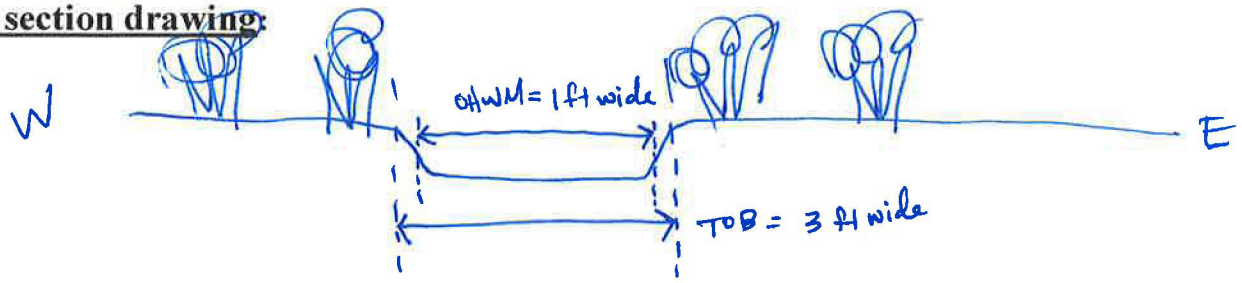


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☐ Mapping on aerial photograph
   - ☐ Digitized on computer
   - ☒ GPS
   - ☐ Other:

Project ID: 13727 **Cross section ID:** T-1 **Date:** 11 Nov 2021 **Time:** ———

Cross section drawing:



OHWM

GPS point: T-1

Indicators:

- [x] Change in average sediment texture
- [x] Change in vegetation species
- [x] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments: Erinau on top of bank. finer sediment within drainage.

Floodplain unit:

- [x] Low-Flow Channel
- [x] Active Floodplain
- [ ] Low Terrace

GPS point: T-1

Characteristics of the floodplain unit:

Average sediment texture: fine sand / silt

Total veg cover: ≈30% Tree: 0 % Shrub: 0 % Herb: 30 %

Community successional stage:

- [ ] NA
- [x] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [ ] Drift and/or debris
- [x] Presence of bed and bank
- [x] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments: Non-native Bromes and Hordeum made up vegetation within drainage.

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: Poplar 18 Industrial Project
Project Number: 13727
Stream: Swale 1
Investigator(s): TKP

Date: 11 Nov 2021 **Time:** —
Town: Hesperia **State:** CA
Photo begin file#: — **Photo end file#:** —

Y ☒ / N ☐ Do normal circumstances exist on the site?

Y ☐ / N ☒ Is the site significantly disturbed?

Location Details: Swale south of Poplar

Projection: **Datum:**
Coordinates: 34.41568070°N 117.39335463°W

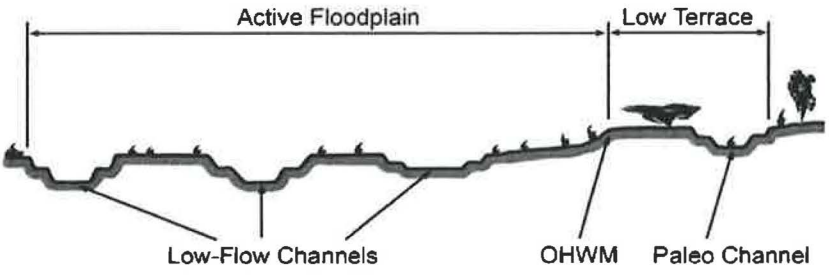
Potential anthropogenic influences on the channel system:
Swale is located adjacent to road and likely collects runoff. Littering and trash dumping observed.

Brief site description: Swale is located adjacent to a paved road and parking lot for an industrial business. Swale runs E-W.

Checklist of resources (if available):

- ☒ Aerial photography
  Dates: 1994 - 2020; 1938 - 2018
- ☒ Topographic maps
- ☐ Geologic maps
- ☒ Vegetation maps
- ☒ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies
- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units



Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☐ Mapping on aerial photograph
   - ☒ GPS
   - ☐ Digitized on computer
   - ☐ Other:

Project ID: 13727 **Cross section ID:** T-2 **Date:** 11 Nov 2021 **Time:** —

Cross section drawing:



OHWM

GPS point: T-2

Indicators:

- ☐ Change in average sediment texture
- ☐ Change in vegetation species
- ☐ Change in vegetation cover
- ☒ Break in bank slope
- ☐ Other: _____
- ☐ Other: _____

Comments:

No OHWM indicators observed except slight depressional channel, likely built to capture runoff from road.

Floodplain unit:

☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____% Tree: _____% Shrub: _____% Herb: _____%

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Appendix B

Mojave Desert Tortoise Data Sheet

Date of survey: 19-Apr-22 (day, month, year) Survey biologist(s): Sarah Greely, sgreely@dudek.com, 760-601-3414 (name, email, and phone number)

Site description: Poplar 18 in Hesperia, CA, 18-acre site (project name and size; general location)

County: San Bernardino Quad: Baldy Mesa Location: 34°25'0.08"N 117°23'34.36"W (UTM coordinates (lat-long) and/or TRS; map datum)

Circle one: 100% coverage/or Sampling Area size to be surveyed: 18 acres Transect #: 45 Transect length: 0.1 - 0.2 mi

GPS Start-point: 11S 463699E, 3808346N, 3624ft (easting, northing, elevation in meters) Start time: 8:18 (am)/pm

GPS End-point: 11S 464115E, 3808347N, 3614ft (easting, northing, elevation in meters) End time: 3:24 am/(pm)

Start Temp: 15 °C End Temp: 20.6 °C

Live Tortoises

Detection number	GPS location Easting	GPS location Northing	Time	Tortoise location (*in burrow*: all of tortoise beneath plane of burrow opening, or *not in burrow*)	Approx MCL ≥180 mm? (*Yes, No or Unknown*)	Existing tag # and color, if present
1						
2						
3						
4						
5						
6						
7						
8						

Tortoise Sign (burrows, scats, carcasses, etc)

Detection number	GPS location Easting	GPS location Northing	Type of sign (*burrows, scats, carcass, etc*)	Description and comments
1				
2				
3				
4				
5				
6				
7				
8				

No tortoises observed.
No sign observed.
No active burrows observed.

Appendix C

Mohave Ground Squirrel Protocol Survey Report

DIPODOMYS
ECOLOGICAL CONSULTING, LLC

July 30, 2022

Patrick Cruz
Dudek
27372 Calle Arroyo
San Juan Capistrano, CA 92675
Via email: pcruz@dudek.com

Subject: Results of Mohave Ground Squirrel Protocol Surveys for the Poplar 18 Project, City of Hesperia, San Bernardino County, California

Dear Mr. Cruz:

The purpose of this report is to document the results of a California Department of Fish and Wildlife (CDFW) protocol survey for Mohave ground squirrel (*Xerospermophilus mohavensis*; MGS) conducted by Dipodomys Ecological Consulting LLC (DEC) for the Poplar 18 Project (project). Presented in this report are a description of the project, project location, the biological setting of the site, MGS natural history, survey methodology, results of trapping efforts for MGS, and conclusions.

Project Description and Location

Covington Group, Inc., proposes to develop a speculative industrial distribution warehouse on an 18-acre parcel. The 18-acre project parcel is located within the City of Hesperia, in San Bernardino County, California. The parcel is bordered by Poplar Street on the south, Sultana Street on the north, Highway 395 west, and Mesa Linda Street on the east (**Figures 1 and 2**). The parcel is surrounded by undeveloped land to the north, east and west. Light industrial development, interspersed with undeveloped land, is present to the south of the project. The primary sources of disturbance on the site are past and current off-highway vehicle (OHV) activity, illegal dumping, and debris associated with transient encampments. The project site can be found on U.S. Geological Survey (USGS) 7.5-minute Baldy Mesa topographic quadrangle map within Section 22, Township 4 North, and Range 5 West, as shown in **Figure 1**, Project Location.

Biological Setting

Vegetation communities within the 18-acre project consist of highly disturbed California juniper woodland (CDFW CA Code 89.100.00) and rubber rabbitbrush scrub (35.310.00) within the wash area. Dominant plants include California juniper (*Juniperus californica*), Joshua tree (*Yucca brevifolia*), Cooper's boxthorn (*Lycium cooperi*), cottonthorn (*Tetradymia stenolepis*), Mexican bladder sage (*Scutellaria mexicana*), Nevada joint-fir (*Ephedra nevadensis*), California buckwheat (*Eriogonum fasciculatum*), Big sagebrush (*Artemisia tridentata*) and rubber rabbitbrush (*Ericameria nauseosa*). Herbaceous plants present include red-stemmed filaree (*Erodium cicutarium*), rattlesnake sandmat

(*Euphorbia albomarginata*), fiddleneck (*Amsinckia tessellata*), blue dicks (*Dipterostemon capitatum*), goldfields (*Lasthenia californica*), foxtail brome (*Bromus madritensis*), Russian thistle (*Salsola tragus*), short-podded mustard (*Hirschfeldia incana*), and London rocket (*Sisymbrium irio*).

Soils consist of Hesperia loamy fine sand (WebSoil 2022). The project site is located at an elevation of approximately 3,612 feet above mean sea level (amsl).

Mohave Ground Squirrel Natural History

Mohave ground squirrels (*Xerospermophilus mohavensis*) are medium-sized (210-230mm, 85-130g), diurnal squirrels. Their dorsal pelage is light gray to cinnamon-brown, while their ventral side is creamy. Unlike round-tailed ground squirrels, which occur sympatrically in the southeast portion of their range, MGS have a short, flat tail that is light-colored on its underside, and have brown cheeks instead of white.

MGS inhabit a small geographic area in the western Mojave Desert. This species ranges from Palmdale in the southwest, the Lucerne Valley in the southeast, Olancha in the northwest, and the Avawatz Mountains in the northeast (Gustafson 1993). Although occurrences in the southern portion of their range are rare, occurrences have been documented on the California Natural Diversity Database (CNDDB) as recently as 2011 (Figure 3). Vegetation communities (as classified by the California Native Plant Society) typically associated with MGS include Mojave Creosote Scrub, Shadscale Scrub, Desert Saltbush Scrub, Desert Sink Scrub, and Joshua Tree Woodland. MGS feed primarily on the leaves and seeds of forbs and shrubs. In the northern portion of their range, MGS have been found to feed on spiny hopsage (*Grayia spinosa*), winterfat (*Krascheninnikovia lanata*) and saltbush (*Atriplex* sp.), especially in early spring when forbs are unavailable, during summer when forbs have dried out, and during drought conditions (Leitner and Leitner 1998). Recent studies have also indicated that MGS feed on the following forbs and shrubs: freckled milkvetch (*Astragalus lentiginosus*), Mojave lupine (*Lupinus odoratus*), buckwheat (*Eriogonum* sp.), white mallow (*Eremalche exilis*), fiddleneck (*Amsinckia tessellata*), Russian thistle (*Salsola tragus*), desert pincushion (*Chaenactis* sp.), Cryptantha (*Cryptantha pterocarya*), Coreopsis (*Leptosyne bigelovii*), Valley lessingia (*Lessingia glandulifera*), desert dandelion (*Malacothrix glabrata*), Phacelia (*Phacelia* sp.), wire lettuce (*Stephanomeria* sp.) Anderson's desert thorn (*Lycium andersonii*), spiny horsebrush (*Tetradimya spinosa*), and Joshua tree *(Yucca brevifolia*) (Leitner and Leitner 2017).

MGS have adapted to live in hot desert environments by limiting their activity aboveground through estivation and hibernation. The timing of emergence from hibernation varies by location: in the northern portion of their range male MGS emerge mid-March (Leitner and Leitner 1998); however, in the southern portion of their range, MGS may emerge as early as mid-January (Recht 1977). Throughout their active period, MGS store fat in preparation for estivation, which typically occurs between July and September, but may occur as early as April or May during drought conditions (Leitner et al. 1995). MGS reproduction is dependent on fall and winter rains and individuals may forgo breeding entirely if low rainfall (<80mm) results in reduced herbaceous plants (Leitner and Leitner 2017).

Throughout the range of MGS, they may co-occur with antelope ground squirrels, round-tailed ground squirrels, and California ground squirrels. MGS may be misidentified with round-tailed ground squirrels, but this is unlikely to occur with antelope grounds squirrels, because the latter species has white dorsal stripes that makes them resemble a chipmunk more than an MGS. California ground squirrels are notably larger and are not typically confused with MGS.

MGS are classified as threatened and are protected under the California Endangered Species Act. Primary threats to MGS include limited distribution, low abundance, and habitat loss from by converting suitable habitat to urban, suburban, agricultural and military land uses (Gustafson 1993, Leitner and Leitner 2017).

Methods

Mohave ground squirrel (MGS) Protocol surveys for the Poplar 18 Project MGS were generally conducted in accordance with the 2010 CDFW MGS Survey Guidelines. One adjustment, reducing the number of traps from 100 to 50, was made to ensure that all traps remained within the 18-acre project footprint. Surveys generally consisted of an initial visual survey followed by live trapping and camera trapping efforts. Details for each survey type are described below.

Visual Survey

An initial review of the California Natural Diversity Database (CNDDB) was conducted prior to the visual assessment to determine the historical recorded occurrences of MGS near the project site (**Figure 3**). The visual survey was conducted by Principal Investigator Karla Flores (MOU and Scientific Collection Permit SC-10572) and Independent Researcher Karl Fairchild (SCP S-182820007-18333-001) on March 22, 2022. The visual survey consisted of driving and walking throughout the project site to identify suitable habitat for MGS. This included identifying plants known to provide forage material for MGS such as spiny hopsage, winterfat, Cooper's boxthorn, Anderson's desert thorn, fiddleneck red-stemmed filaree and Joshua tree (Leitner 2022). Areas supporting suitable habitat for MGS where these plants are concentrated were recorded on an aerial map. Suitable soil types for burrowing and burrow densities were also noted.

Live Trapping

Live trapping surveys were conducted utilizing a modified 10x5 (315x140 meters) 50-trap grid by Karla Flores. The adjusted survey grid ensured that all traps remained within the 18-acre project footprint. CDFW Region 6 was notified of the adjustment. Coordinate locations for the survey grid are listed in **Table 1**. Traps in each grid were spaced 35 meters apart and utilized XLK Sherman live-traps (3x3.75x12") with accompanying A-frame cardboard shade covers staked to the ground with metal tent stakes. All traps were baited with 4-way livestock feed and peanut butter powder and were opened within one hour of sunrise and were checked no more than every four hours. All traps were closed within hour of sunset. Trapping was conducted when temperatures were between 50 degrees Fahrenheit and 90 degrees Fahrenheit, and inclement conditions (rain, thunderstorms) were not present. All animals captured were released at their capture location, and the following information recorded for each capture: species, weight, age, sex, and reproductive condition. Live trapping surveys were conducted for a period of five days in each of the three survey windows established by the MGS survey guidelines (1st: March 15-April 3; 2nd May 1-31;3rd June 15-July 15). Details for each survey period are presented in **Table 2.** MGS Survey and Trapping Forms, including weather details, are presented in **Attachment A** and **Attachment B**.

TABLE 1
UTM COORDINATES FOR CORNERS OF NORTH AND SOUTH LIVE TRAPPING GRIDS

Corner	Zone	Easting	Northing
NW	11	463740	3808520
SW	11	463740	3808380
NE	11	464055	3808520
SE	11	464055	3808380

*Datum: WGS 1984

TABLE 2
MOHAVE GROUND SQUIRREL SURVEY DATE AND TYPE

Session	Date	Survey Type	Surveyor
1	March 23-27, 2022	LT/CT	Karla Flores
2	May 2-6, 2022	LT/CT	Karla Flores
3	July 10-14, 2022	LT/CT	Karla Flores

LT: Live Trapping CT: Camera Trapping

Camera Trapping

Camera trapping surveys were used to supplement live trapping efforts and consisted of setting up three camera trapping stations throughout the project site (**Figure 2**). Each camera trap station consisted of a Bushnell Core Low Glow Trail Camera (Model 1199932CB) secured to a 36-inch U-post facing a bait station. The bait station consisted of a feeding tube filled with 4-way livestock feed staked to the ground with a 12-inch railroad spike. Cameras operated 24 hours a day, concurrent with live trapping surveys, and followed the set-up specifications described in Delaney et al. (2017). Coordinate locations for each camera trap station are listed below in **Table 3**.

Photos from the camera trap stations were downloaded and reviewed by the Principal Investigator after every five-day trapping session. A list of species detected at the camera trap stations is included in **Table 5**.

TABLE 3
COORDINATE LOCATIONS FOR CAMERA TRAP STATIONS

Camera	Zone	Easting	Northing
1	11	463789	3808412
2	11	463848	3808479
3	11	463987	3808486

*Datum: WGS 1984

Results

Visual Survey

Based on the habitat data collected during the visual survey, low-quality/disturbed MGS habitat is present onsite. Primary MGS food plants such as winterfat and spiny hopsage are not present onsite. However, other plants identified as being associated with MGS in microhistology and metabarcoding studies (Leitner 2022) are present onsite, these include: Cooper's boxthorn, Joshua tree, fiddleneck, and red-stemmed filaree. Visual observations of burrows and burrow complexes showed that soil onsite is suitable for burrowing.

Live Trapping

No Mohave ground squirrels were captured during the three live trapping survey periods. Live trapping captures consisted entirely of non-target species including white-tailed antelope ground squirrel (*Ammospermophilus leucurus*), California ground squirrel (*Otospermophilus beecheyi*), Panamint kangaroo rat (*Dipodomys panamintinus*), and Great Basin whiptail (*Aspidoscelis tigris*) (**Table 4; Figure 4**).

TABLE 4
RESULTS OF MOHAVE GROUND SQUIRREL PROTOCOL SURVEYS

Common name	Scientific name	Session			Total
		1	2	3	
White-tailed antelope ground squirrel	*Ammospermophilus leucurus*	0	0	8	8
California ground squirrel	*Otospermophilus beecheyi*	2	3	16	21
Panamint kangaroo rat	*Dipodomys panamintinus*	1	0	0	1
Great Basin Whiptail	*Aspidoscelis tigris*	0	4	0	4
	Total	3	7	24	**34**

Camera Trapping

No Mohave ground squirrels were detected in the images collected during the camera trapping surveys. Species observed utilizing the camera trap stations included: California ground squirrel, Panamint kangaroo rat, deer mouse (*Peromyscus maniculatus*), coyote (*Canis latrans*), horned lark (*Eremophila alpestris*), common raven (*Corvus corax*), northern mockingbird (*Mimus polyglottos*) and white-crowned sparrow (*Zonotrichia leucophrys*).

TABLE 5
RESULTS OF MOHAVE GROUND SQUIRREL CAMERA TRAPPING

Common Name	Scientific Name
Horned lark	*Eremophila alpestris*
California ground squirrel	*Otospermophilus beecheyi*
Common raven	*Corvus corax*
Coyote	*Canis latrans*
Deer mouse	*Peromyscus maniculatus*
Panamint kangaroo rat	*Dipodomys panamintinus*
Northern mockingbird	*Mimus polyglottos*
White-crowned sparrow	*Zonotrichia leucophrys*

Conclusions

The Poplar 18 Project is located within the southern portion of the mapped MGS range, where MGS occurrences are rare, and population densities have historically been low. A review of the California Natural Diversity Database (CNDDB) for the Baldy Mesa and eight surrounding quadrangles showed that the most recent MGS occurrence recorded in the vicinity of the project occurred in 2011 approximately 9.3 miles northwest of the project site (recent aerial photos show that this area has been developed into a solar farm). The closest MGS occurrence recorded was documented in 2005 approximately 2.3 miles northwest of the project site (recent aerials show intact habitat). Both the 2005 and 2011 MGS occurrences were recorded north of the California Aqueduct, which likely presents a significant barrier to MGS dispersal (no MGS occurrences are recorded in CNDDB south of the California Aqueduct and east of Pinon Hills since the aqueduct was constructed). Additionally, the project site is located outside of MGS core population areas, peripheral population areas and linkage areas described in the 2019 CDFW MGS Conservation Strategy.

Although some suitable habitat was detected during the visual survey, including the presence of some MGS food plants: Joshua tree, Cooper's boxthorn, fiddleneck and red-stemmed filaree (Leitner 2022), no MGS were captured during the live trapping or camera trapping surveys. Furthermore, the distance from core population areas and significant barriers to dispersal between the project site and documented recent occurrences make it unlikely that colonization from core MGS populations will occur within the near future. Based on the results of this survey, the CDFW survey guidelines indicate that the department will stipulate that no MGS occur on the project site. This stipulation will expire one year from the last day of trapping, July 14, 2022.

I hereby certify that the information in this report is true, and that it conforms to accepted biological standards. Please feel free to contact Karla Flores by phone at (619) 972-4319 or by email at kflores@dipodomysecological.com with any questions regarding this report.

Sincerely,

Karla L. Flores
Principal Investigator

Karl Fairchild
Independent Researcher

Figures and Attachments
Figure 1-Project Location
Figure 2-Survey Area
Figure 3- Historical MGS Occurrences
Figure 4- Results

Attachment A-CDFW Mohave Ground Squirrel Survey and Trapping Form(s)
Attachment B-Weather Details
Attachment C-Species Compendium
Attachment D-Representative Photographs

References

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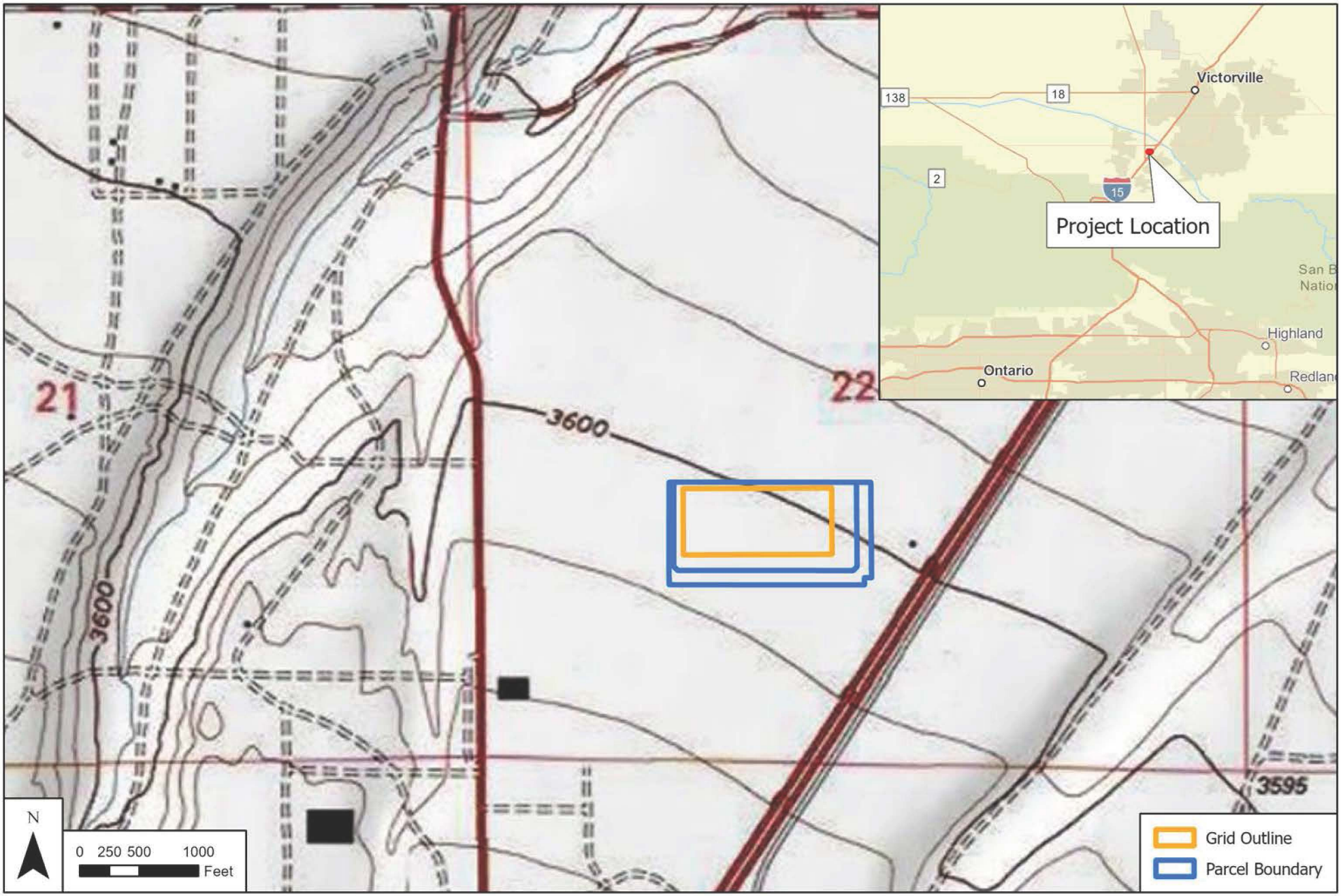
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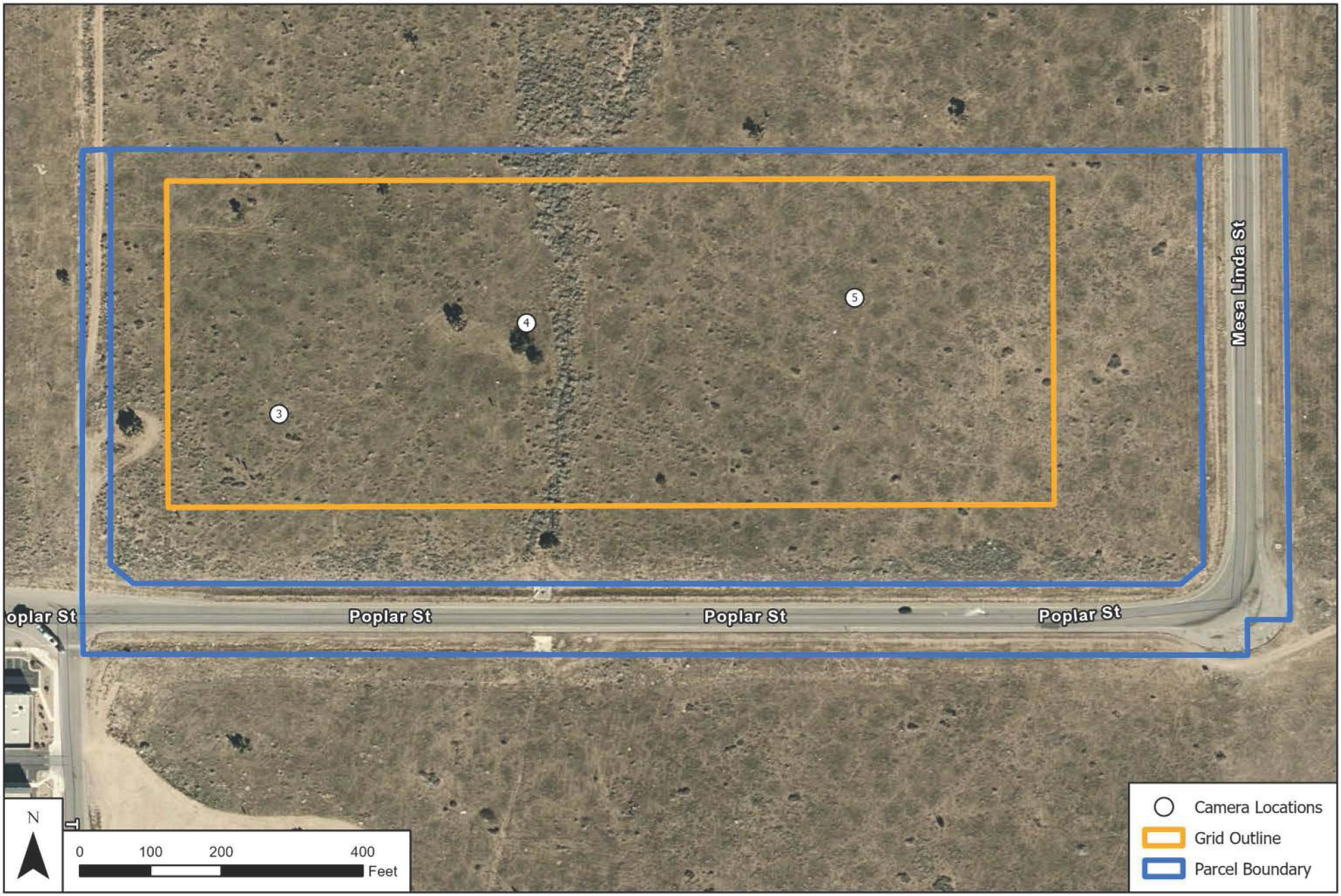
SOURCE: ESRI

Poplar 18 Project

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Figure 1

Project Location



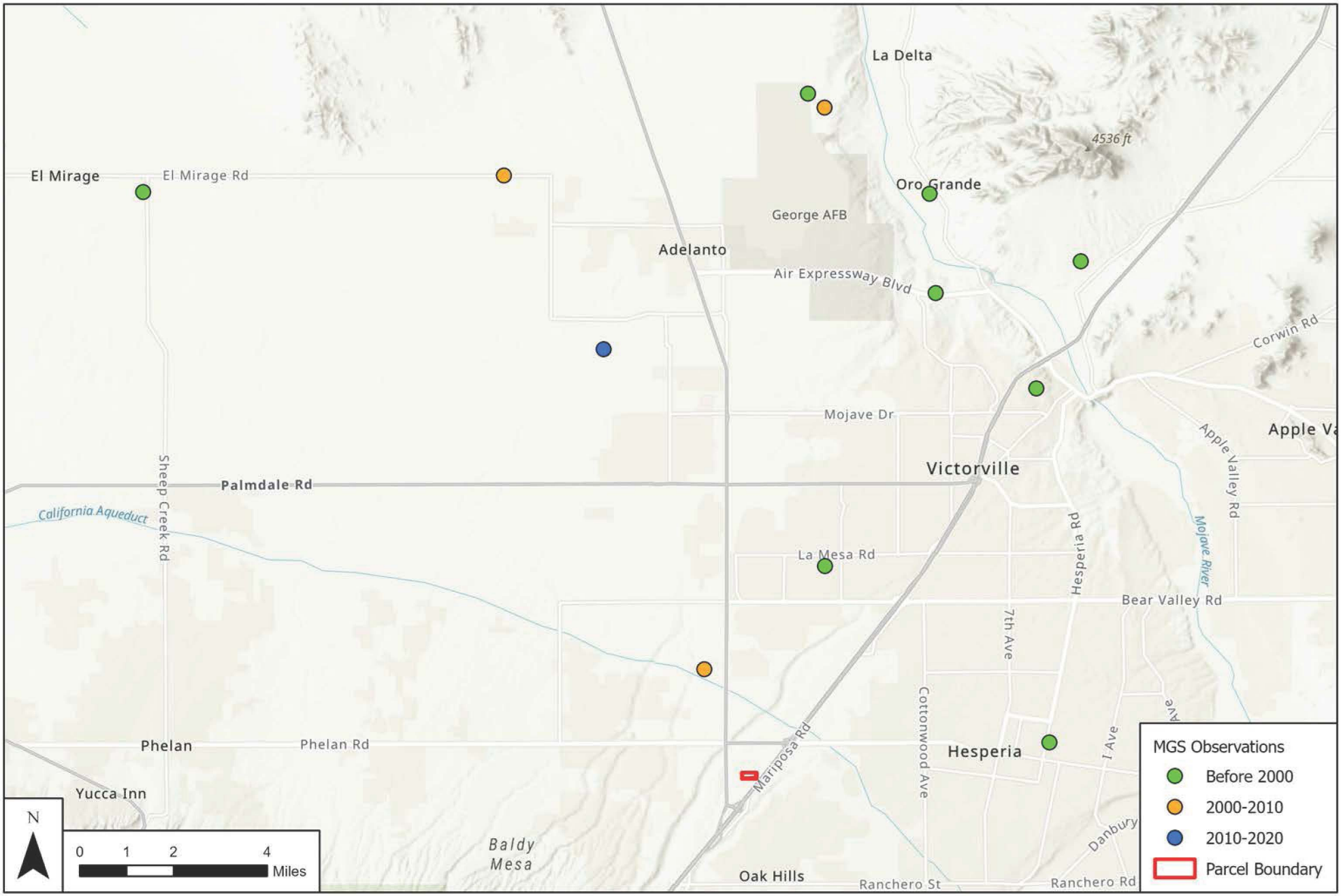
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Poplar 18 Project

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Figure 2

Survey Area



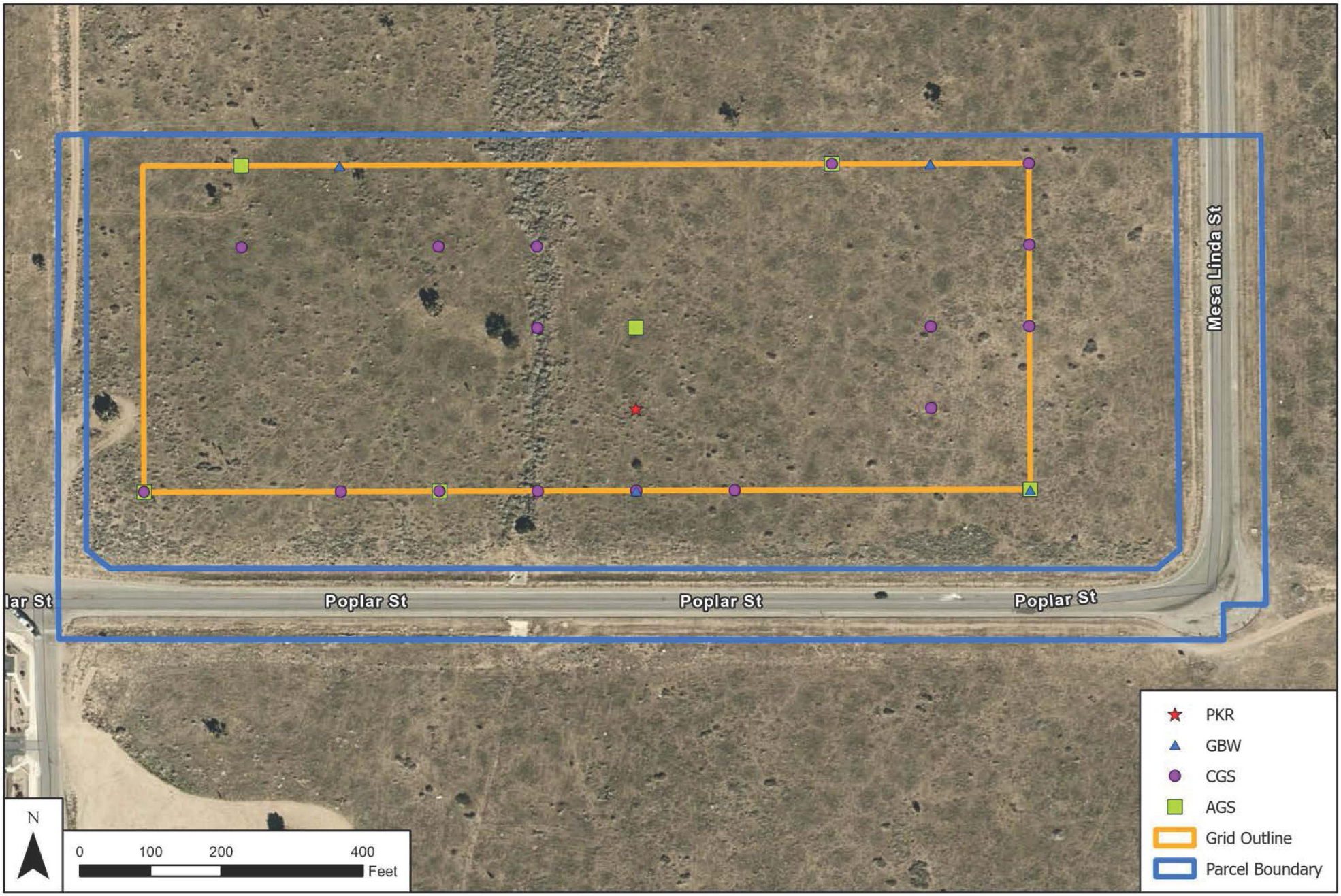
SOURCE: ESRI

Poplar 18 Project

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Figure 3

Historical MGS Occurrences



SOURCE: ESRI

Poplar 18 Project

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Figure 4

Trapping Results

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Attachment A

Mohave Ground Squirrel (MGS) Survey and Trapping Form (photocopy as needed)

PART I - PROJECT INFORMATION (use a separate form for each sampling grid)

Project name: Poplar 18 Project Property owner: Covington Group, Inc.

Location: Township 04N; Range 05W; Section 22 ; ¼ Section

Quad map/series: Baldy Mesa UTM coordinates: NW:463740 3808520 SW: 463740 3808380
NE: 464055 3808520 SE: 464055 3808380
GPS coordinates of trapping-grid corners

Acreage of Project Site: 18 acres Acreage of potential MGS habitat on site: 18 acres

Total acreage visually surveyed on project site: 18 acres Date(s): March 22, 2022
visual surveys

Visual surveys conducted by: Karla Flores and Karl Fairchild
names of all persons by date (use back of form, if needed)

Total acres trapped: 18 acres Number of sampling grids: 1

Trapping conducted by: Karla Flores and Karl Fairchild
names of all persons by sampling term and sampling grid (use back of form, if needed)

Dates of sampling term(s): FIRST March 23-27, 2022 SECOND May 2-6, 2022 THIRD July 10-14, 2022
if required if required

PART II - GENERAL HABITAT DESCRIPTION (use back of form, if needed)
Vegetation: dominant perennials: *Juniperus californica, Yucca brevifolia, Lycium cooperi, Scutellaria mexicana, Ericameria nauseosa*
other perennials: *Eriogonum fasciculatum, Tetradymia stenolepis, Ephedra nevadensis*
dominant annuals: *Amsinckia tessellata, Erodium cicutarium, Lasthenica californica, Dichelostemma capitatum, Cryptantha sp.*

other annuals: *Hirschfeldia incana, Sisymbrium irio, Bromus sp., Salsola tragus*

Land forms (mesa, bajada, wash): mesa, desert plain

Soils description: Hesperia Loamy Fine Sand

Elevation: 3,612 feet Slope: 2-5%

PART III - WEATHER (report measurements in the following categories for each day of visual survey and each day of trapping; using 24-hour clock, indicate time of day that each measurement was made; use a separate blank sheet for each day)

Temperature: AIR minimum and maximum; SOIL minimum and maximum; Cloud Cover: % in AM and % in PM; Wind Speed: in AM and in PM

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Attachment B

Attachment B: Weather details for California Department of Fish and Wildlife (CDFW) Mohave ground squirrel (*Xerospermophilus mohavensis*) protocol surveys. Details include date, survey (1-3), air temperature (min-max º Fahrenheit), soil temperature (min-max º Fahrenheit), wind speed (mph) and percent cloud cover (%).

Date		Air Temperature (°F)		Soil temperature (°F)		Wind (mph)		Cloud Cover (%)	
		Min	Max	Min	Max	Start	End	Start	End
3/23/2022	1	61	82	56.3	88.2	7.5	2	0	0
3/24/2022	1	65	77	59.6	83.4	0.9	4.5	0	0
3/25/2022	1	68.7	80.3	60.3	71.1	1.1	8.8	0	20
3/26/2022	1	65	74	58.7	77.9	5.8	14.8	0	15
3/27/2022	1	59	71.3	52.8	63	9.4	18.8	25	10
5/2/2022	2	64	85.3	58.5	74.7	1.6	13.5	0	10
5/3/2022	2	62	82.1	60.5	88.6	7.1	6.3	0	0
5/4/2022	2	64.6	88.1	59.2	72.1	1.6	8.2	0	1
5/5/2022	2	70.3	90	65.1	71.3	0.9	12.3	0	10
5/6/2022	2	70.2	81.9	64.4	81.3	4.1	16.2	10	5
7/10/2022	3	72.8	90	74.4	76.4	2.7	3.1	0	0
7/11/2022	3	78.3	90	77	78.3	3.1	2.7	0	0
7/12/2022	3	79.2	90	78.8	80.2	5.3	13	0	0
7/13/2022	3	79.9	90	76.9	79.4	4.7	6.2	0	2
7/14/2022	3	84.9	90	81.6	82.2	4.3	10.7	10	5

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Attachment C

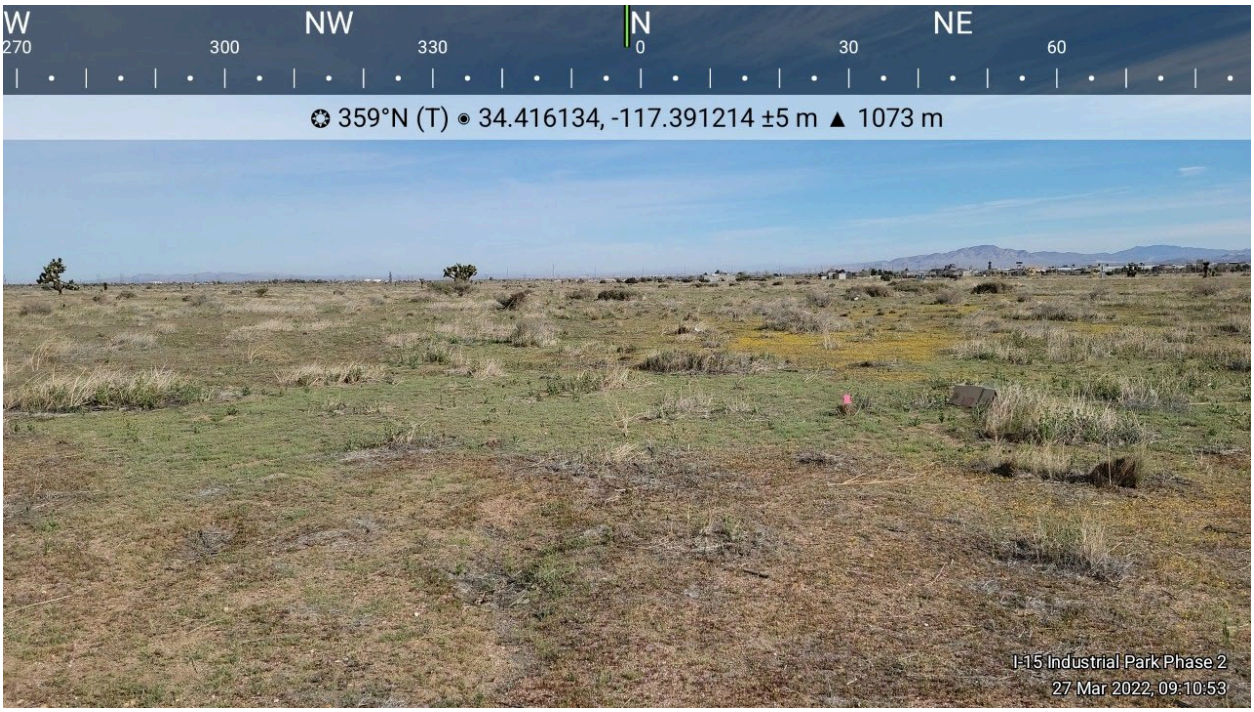
Common name	Scientific name	SSC
Plants		
blue dicks	*Dipterostemon capitatum*	
California buckwheat	*Eriogonum fasciculatum*	
California juniper	*Juniperus californica*	
Cooper's boxthorn	*Lycium cooperi*	
cottonthorn	*Tetradymia stenolepis*	
fiddleneck	*Amnsinckia tessellata*	
foxtail brome	*Bromus madritensis*	
goldfields	*Lasthenia californica*	
Joshua tree	*Yucca brevifolia*	
London rocket	*Sisymbrium irio*	
Mexican bladdersage	*Scutellaria mexicana*	
Nevada joint-fir	*Ephedra nevadensis*	
red-stemmed filaree	*Erodium cicutarium*	
rubber rabbitbrush	*Ericameria nauseosa*	
rattlesnake sandmat	*Euphorbia albomarginata*	
Russian thistle	*Salsola tragus*	
short-podded mustard	*Hirschfeldia incana*	
Birds		
Bell's sparrow	*Artemisiospiza belli*	
cactus wren	*Campylorhynchus brunneicapillus*	
California gull	*Larus californicus*	
common raven	*Corvus corax*	
greater roadrunner	*Geococcyx californianus*	
horned lark	*Eremophila alpestris*	
house finch	*Haemorhous mexicanus*	
house sparrow	*Passer domesticus*	
Lawrence's goldfinch	*Spinus lawrencei*	
loggerhead shrike	*Lanius ludovicianus*	Y
mourning dove	*Zenaida macroura*	
northern mockingbird	*Mimus polyglottos*	
prairie falcon	*Falco mexicanus*	
red-tailed hawk	*Buteo jamaicensis*	
rock pigeon	*Columba livia*	
savannah sparrow	*Passerculus sandwichensis*	
turkey vulture	*Cathartes aura*	
western kingbird	*Tyrannus verticalis*	
western meadowlark	*Sturnella neglecta*	
white-crowned sparrow	*Zonotrichia leucophrys*	
Mammals		
black-tailed jackrabbit	*Lepus californicus*	
California ground squirrel	*Otospermophilus leucurus*	

Common name	Scientific name	SSC
coyote	*Canis latrans*	
desert cottontail	*Sylvilagus audubonii*	
Panamint kangaroo rat	*Dipodomys panamintinus*	
white-tailed antelope ground squirrel	*Ammospermophilus leucurus*	
Reptiles		
Great Basin gopher snake	*Pituophis catenifer deserticola*	
Great Basin whiptail	*Aspidoscelis tigris tigris*	

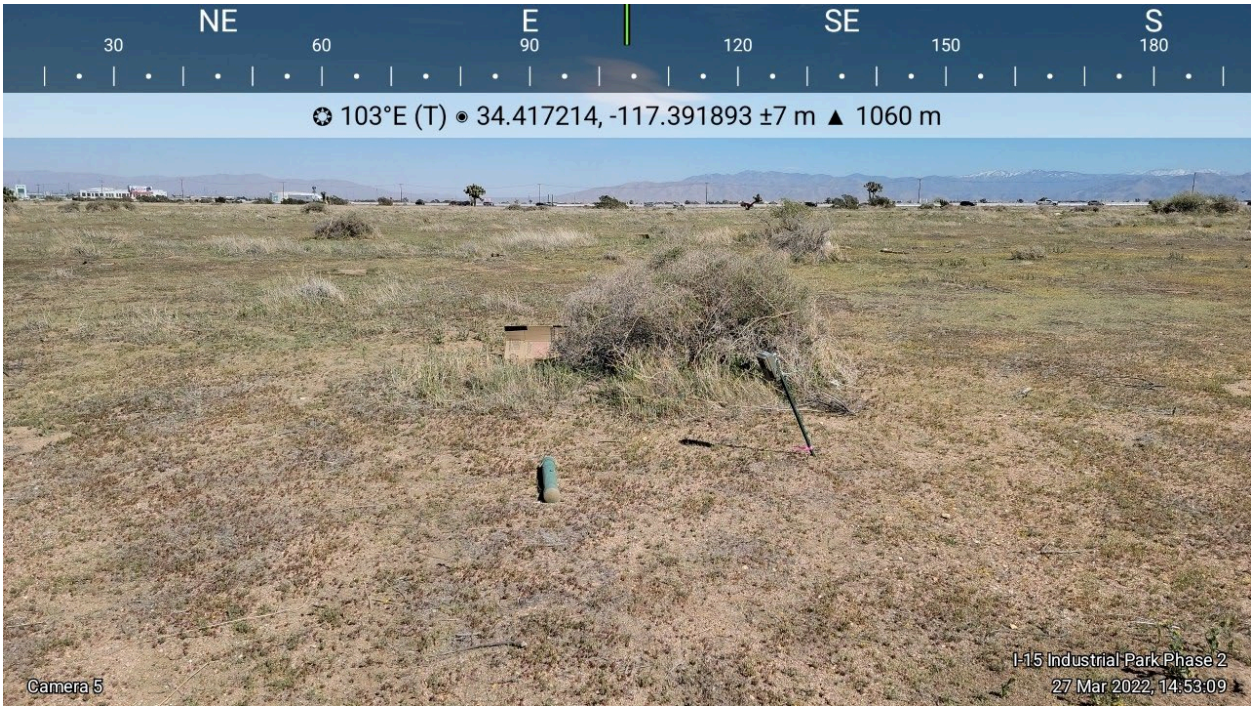
SSC: Species of special concern

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Attachment D



Photograph 1: Representative vegetation, facing north.



Photograph 2: Representative camera trap station. Each station consisted of a Bushnell camera secured to a 36-inch u-post facing a bait station.



Photograph 3: White-tailed antelope ground squirrel (*Ammospermophilus leucurus*) captured at trap station.



Photograph 4: Panamint kangaroo rat (*Dipodomys panamintinus*) captured at trap location.



Photograph 5: Great Basin gopher snake (*Pituophis catenifer deserticola*) found near trap station.

Appendix D
Plant Compendium

Vascular Species

Eudicots

ASTERACEAE – SUNFLOWER FAMILY

Ambrosia acanthicarpa – flatspine bur ragweed
Ambrosia salsola var. *salsola* – burrobrush
Ericameria cooperi var. *cooperi* – Cooper's goldenbush
Ericameria nauseosa var. *mohavensis* – Mojave rabbitbrush
Lasthenia californica – California goldfields
Lasthenia gracilis – needle goldfields
Lessingia glandulifera var. *glandulifera* – valley lessingia
Stephanomeria exigua ssp. *exigua* – small wirelettuce
Stephanomeria pauciflora – brownplume wirelettuce
Tetradymia axillaris – longspine horsebrush
Tetradymia comosa – hairy horsebrush
Tetradymia stenolepis – Mojave cottonthorn

BORAGINACEAE – BORAGE FAMILY

Amsinckia tessellata – bristly fiddleneck
Cryptantha micrantha – redroot cryptantha
Pectocarya penicillata – sleeping combseed

BRASSICACEAE – MUSTARD FAMILY

* *Hirschfeldia incana* – shortpod mustard
* *Sisymbrium altissimum* – tall tumblemustard
* *Sisymbrium irio* – London rocket
Tropidocarpum gracile – dobie pod

CHENOPODIACEAE – GOOSEFOOT FAMILY

Chenopodium californicum – California goosefoot
* *Salsola tragus* – prickly Russian thistle

EUPHORBIACEAE – SPURGE FAMILY

Euphorbia albomarginata – whitemargin sandmat

FABACEAE – LEGUME FAMILY

Acmispon strigosus – strigose bird's-foot trefoil
Lupinus bicolor – miniature lupine
Lupinus concinnus – bajada lupine

GERANIACEAE – GERANIUM FAMILY

* *Erodium cicutarium* – redstem stork's bill

LAMIACEAE – MINT FAMILY

Salvia columbariae – chia

Scutellaria mexicana – Mexican bladdersage

MALVACEAE – MALLOW FAMILY

Sphaeralcea ambigua var. *ambigua* – apricot globemallow

NYCTAGINACEAE – FOUR O'CLOCK FAMILY

Mirabilis laevis var. *crassifolia* – California four o'clock

POLEMONIACEAE – PHLOX FAMILY

Eriastrum sapphirinum ssp. *sapphirinum* – sapphire woollystar

POLYGONACEAE – BUCKWHEAT FAMILY

Chorizanthe watsonii – fivetooth spineflower

Eriogonum fasciculatum var. *polifolium* – California buckwheat

SOLANACEAE – NIGHTSHADE FAMILY

Lycium cooperi – peach thorn

ZYGOPHYLLACEAE – CALTROP FAMILY

Larrea tridentata – creosote bush

Gymnosperms and Gnetophytes

CUPRESSACEAE – CYPRESS FAMILY

Juniperus californica – California juniper

EPHEDRACEAE – EPHEDRA FAMILY

Ephedra nevadensis – Nevada joint fir

Monocots

AGAVACEAE – AGAVE FAMILY

Yucca brevifolia – Joshua tree

POACEAE – GRASS FAMILY

* *Bromus diandrus* – ripgut brome
* *Bromus hordeaceus* – soft brome
* *Bromus madritensis* – compact brome

* *Bromus rubens* – red brome
* *Bromus tectorum* – cheatgrass
  Elymus elymoides – squirreltail
* *Hordeum murinum* – mouse barley
* *Schismus barbatus* – common Mediterranean grass
  Stipa speciosa – desert needlegrass

THEMIDACEAE – BRODIAEA FAMILY

Dipterostemon capitatus – bluedicks

* signifies introduced (non-native) species

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Appendix E
Wildlife Compendium

Birds

Finches

FRINGILLIDAE – FRINGILLINE AND CARDUELINE FINCHES AND ALLIES

Haemorhous mexicanus – house finch

Jays, Magpies and Crows

CORVIDAE – CROWS AND JAYS

Corvus corax – common raven

Larks

ALAUDIDAE – LARKS

Eremophila alpestris – horned lark

Old World Sparrows

PASSERIDAE – OLD WORLD SPARROWS

* *Passer domesticus* – house sparrow

Silky Flycatchers

PTILOGONATIDAE – SILKY-FLYCATCHERS

Phainopepla nitens – phainopepla

Thrushes

TURDIDAE – THRUSHES

Sialia currucoides – mountain bluebird

Wood Warblers and Allies

PARULIDAE – WOOD-WARBLERS

Setophaga coronata – yellow-rumped warbler

Wrens

TROGLODYTIDAE – WRENS

Campylorhynchus brunneicapillus – cactus wren

New World Sparrows

PASSERELLIDAE – NEW WORLD SPARROWS

Zonotrichia leucophrys – white-crowned sparrow

Mammals

Canids

CANIDAE – WOLVES AND FOXES

Canis latrans – coyote

Hares and Rabbits

LEPORIDAE – HARES AND RABBITS

Lepus californicus – black-tailed jackrabbit

Sylvilagus audubonii – desert cottontail

Kangaroo Rats

HETEROMYIDAE – POCKET MICE AND KANGAROO RATS

Dipodomys panamintinus – Panamint kangaroo rat

Squirrels

SCIURIDAE – SQUIRRELS

Ammospermophilus leucurus – white-tailed antelope squirrel

Otospermophilus beecheyi – California ground squirrel

Reptiles

Lizards

PHRYNOSOMATIDAE – IGUANID LIZARDS

Uta stansburiana – common side-blotched lizard

TEIIDAE – WHIPTAIL LIZARDS

Aspidoscelis tigris – tiger whiptail

* signifies introduced (non-native) species

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Appendix F

Joshua Tree Preservation, Protection, and Relocation Plan, and Desert Native Plant Relocation Plan

Joshua Tree Preservation, Protection, and Relocation Plan, and Desert Native Plant Relocation Plan

Poplar 18 Project

OCTOBER 2022

Prepared for:

POPLAR 18, LLC.
14180 Dallas Parkway, Suite 730
Dallas, Texas 75254
Contact: Dana Whitmer

Prepared by:

DUDEK

38 North Marengo Avenue
Pasadena, California 91101
Contact: Chris Kallstrand
ISA-Certified Arborist, No. WE-8208A

Printed on 30% post-consumer recycled material.

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B Tree Information Matrix
C Site Photographs
D Joshua Tree Impacts
E Landscape Plan

Acronyms and Abbreviations

Acronym/Abbreviation	Definition
CDFW	California Department of Fish and Wildlife
CESA	California Endangered Species Act
City	City of Hesperia
Commission	California Fish and Game Commission
HMC	Hesperia Municipal Code
I	Interstate
ISA	International Society of Arboriculture
ITP	Incidental Take Permit
Project	Poplar 18 Project

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1 Introduction

The purpose of this Joshua Tree Preservation, Protection, and Relocation Plan (Joshua Tree Plan) for the Poplar 18 Project (Project) is to provide detailed specifications to meet the requirements of Chapter 16.24 of the City of Hesperia (City) Municipal Code and the evolving California Department of Fish and Wildlife (CDFW) requirements to protect, preserve, and mitigate impacts to Joshua trees (*Yucca brevifolia*). In October 2019, the California Fish and Game Commission (Commission) received a petition from the Center for Biological Diversity to list western Joshua tree[1] (Center for Biological Diversity 2019). On November 1, 2019, the Commission referred the petition to the California Department of Fish and Wildlife (CDFW) for evaluation. CDFW evaluated the scientific information presented in the petition and other relevant information possessed by CDFW at the time of review and prepared a report for submittal to the Commission. The report states that CDFW recommended that the Commission accept the petition for further consideration of western Joshua tree under the California Endangered Species Act (CESA). On September 24, 2020, the Commission approved the petition to accept the candidacy proposal for western Joshua tree, effective October 9, 2020 (CDFW 2020). When a plant or wildlife species is granted candidacy under CESA, the species is given the same protection as a threatened or endangered species while the Commission evaluates whether formal listing as threatened or endangered under CESA is warranted. For this Project, take or removal of western Joshua tree would require a 2081 Incidental Take Permit (ITP) from CDFW.

Furthermore, Chapter 16.24 of the Hesperia Municipal Code (HMC) states that "it is in the public interest to preserve and protect specified desert native plants and provide for the conservation and wise use of our desert resources, through regulation, guidelines and enforcement that manage the removal or harvesting of such plants. They are also necessary to augment and coordinate with the State Department of Food and Agriculture in its efforts to implement and enforce the Desert Native Plant Act." Furthermore, the City's Protected Plants Policy (HMC 16.24) states the following for Tentative Tract, non-single-family residential (commercial, industrial, apartments):

- A protected plant plan shall be prepared by a certified arborist or registered botanist.
- An application and fee shall be completed and paid to the City.
- Healthy, transplantable plants shall be relocated on site or may be placed in an adoption program.

As such, this Joshua Tree Plan addresses the requirements of the City's Protected Plants Policy and the proposed mitigation required by CDFW under the 2081 ITP, and provides details regarding the Project site's Joshua trees, detailed specifications for the protection of trees to be preserved on site, and relocation/salvage requirements for those trees requiring removal and relocation.

1.1 Applicability

The provisions of this Joshua Tree Plan apply toward the protection and removal of Joshua trees located within the City of Hesperia, California, as defined in the City's Protected Plants Policy (HMC 16.24).

[1] On October 21, 2019, the California Fish and Game Commission received a petition to list the following as threatened under the California Endangered Species Act: (1) western Joshua tree (*Yucca brevifolia*) throughout its California range, or, in the event the Commission determines that listing of *Yucca brevifolia* throughout its California range is not warranted, then (2) the western Joshua tree population within the northern part of western Joshua tree's California range, or (3) the western Joshua tree population within the southern part of western Joshua tree's California range.

1.2 Project Location

The approximately 17.87-acre Project site is in the western part of Hesperia, which is within the Victor Valley region of San Bernardino County (Figure 1, Regional Map; Figure 2, Project Vicinity). The Project site is located on the southwest quadrant of Interstate (I) 15 and Main Street. The Project site is located south of Main Street, west of Cataba Road and Mesa Linda Street, north of I-15 and Poplar Street, and east of U.S. Highway 395 and Lassen Road. The Project site consists of two parcels: Assessor's Parcel Numbers 3064-581-04-0000 and 3064- 581-05-0000. Specifically, the Project site is located in Section 22, Township 4 North, Range 5 West, as depicted on the U.S. Geological Survey Baldy Mesa, California 7.5-minute topographic quadrangle map (USGS 2007).

Regional access to the Project site is provided via I-15, directly east of the Project site, and U.S. Highway 395, directly west of the Project site. Local access to the Project site is provided via Poplar Street to Lassen Road or off of Mesa Linda Street (Figure 3, Project Site Plan).

1.3 Project Characteristics

The Project would involve construction of two industrial/warehouse buildings and associated improvements on 17.87 acres of vacant land. The Project would provide 414,700 square feet of industrial/warehouse space and include associated improvements, such as loading docks, tractor-trailer stalls, passenger vehicle parking spaces, stormwater detention basins, and landscaped areas (Figure 3).

The Project would include improvements along Mesa Linda Street, Lassen Street, and Poplar Street, including frontage landscaping and pedestrian improvements. A variety of trees, shrubs, plants, and land covers would be planted within the Project frontage's landscape setback area, as well as within the landscape areas found around the proposed industrial/warehouse buildings and throughout the Project site.

1.4 Site Characteristics

The Project site is composed of two disjointed sites separated by Mesa Linda Street and an undeveloped property. These two sites collectively constitute the Project site. The site for Building 1 is located west of Mesa Linda Street, east of Cataba Road, and north of I-15. The site is irregularly shaped and located on two parcels. The Project site is vacant and undeveloped, with the exception of an approximately 440-foot segment of Bishop Street that terminates in a cul-de-sac.

Ground surface cover consists of moderate native brush and shrub growth, with occasional California juniper (*Juniperus californica*) and Joshua trees located throughout the site. The Project site has been subject to disturbance as a result of illegal dumping and trespassing. These unpermitted activities have led to areas of exposed bare soils (where trails have formed) and several debris piles.

Land uses surrounding the Project site primarily consist of vacant land, along with some scattered residential, commercial, light industrial, and utility uses. Specific land uses located in the immediate vicinity of the Project site include the following:

- **North:** Vacant land and scattered commercial, light industrial, and residential uses
- **East:** Commercial uses and I-15

- **South:** Vacant land and I-15
- **West:** Vacant land; U.S. Highway 395; and scattered commercial, light industrial, and commercial uses

In the broader Project vicinity, development includes commercial uses, trucking-related uses (i.e., truck stops), lodging accommodations, big-box retail developments, and residential subdivisions.

Climate

The Project site is located in the Victor Valley/High Desert region in western San Bernardino County. Average annual temperatures range from 44°F to 81°F. The average annual precipitation is 6.72 inches (WRCC 2022). Periods of extended drought are common throughout the region.

Topography and Soils

The Project site's surface elevation ranges between approximately 3,522 and 3,602 feet above mean sea level. The Project site and immediate surrounding area is relatively flat with a slight slope toward the northeast, and the southwestern corner of the site slopes moderately downward to the west.

According to the U.S. Department of Agriculture Natural Resources Conservation Service's Web Soil Survey (USDA 2022), the Project site occurs within the San Bernardino County, Mojave River Area (CA671). It consists of two types of soils: Cajon sand (0% to 2% slopes, 2% to 9% slopes, and 9% to 15% slopes) and Hesperia loamy fine sand (2% to 15% slopes).

Vegetation

The Project site is primarily composed of non-native grassland and Joshua tree woodland. Dominant plants include Joshua tree, slender oat (*Avena barbata*), and annual brome (*Bromus* sp.), followed by California juniper, black mustard (*Brassica nigra*), rubber rabbitbrush (*Ericameria nauseosa*), Nevada joint fir (*Ephedra nevadensis*), and California buckwheat (*Eriogonum fasciculatum* var. *polifolium*). The herbaceous layer is primary dominated by non-native annuals and grasses such as red-stemmed filaree (*Erodium cicutarium*), longbeak stork's bill (*Erodium botrys*), ripgut brome (*Bromus diandrus*), red-brome (*Bromus madritensis*), and cheat grass (*Bromus tectorum*). Vegetation within the southwestern portion and along the southern boundary and through the center of the Project site is more sparse and disturbed due to human activity, including existing dirt and paved roads.

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2 Policy and Permits

2.1 City of Hesperia

2.1.1 City Policy

Per the City's Protected Plants Policy (HMC 16.24), the City seeks to preserve the natural environment in the City while respecting the lawful development of private property. As such, native protected plants create a dilemma because of their high public appeal coupled with very limited transplant success and potential safety concerns for the public. Furthermore, HMC 16.24 states the following regarding Tentative Tract, non-single-family residential (commercial, industrial, apartments):

- A protected plant plan shall be prepared by a certified arborist or registered botanist.
- An application and fee shall be completed and paid to the City.
- Healthy, transplantable plants shall be relocated on site or may be placed in an adoption program.

In addition to the requirements previously stated, HMC 16.24 discusses approval of an adoption program, as follows:

1. Approved Adoption Program

   To qualify as an approved adoption program the developer shall provide a letter on company letterhead, describing the program and the community notification process. The program shall identify the following, as a minimum:

   a) A public notice process which may include publication in local newspapers, radio advertisement, hand distributed fliers, and other noticing techniques. Noticing must occur over a period of not less than three weeks.

   b) The location where the trees may be viewed by the public and a clearly identified period of at least two weeks (including weekends) when trees/plants are available for adoption.

   c) The person that will be available on-site to assist those adopting trees to find the actual trees/plants for removal. An on-site or cell phone number for that person is required.

   d) A note that a copy of the City Joshua Tree Transplanting Guidelines will be provided to each adopter.

   e) A log showing the name, address, and phone number of each adopter and the number and type of trees/plants they received.

Note: At least 50% of the transplantable trees and plants shall be adopted or the remaining number below 50% shall be purchased at $350 per transplantable tree. Purchased trees must be recycled at Advance Disposal.

2.1.2 City Permits

Per the City's Protected Plants Policy (HMC 16.24), a Joshua tree relocation and removal application must be completed and a fee paid to the City prior to initiation of removal and/or relocation of Joshua trees. HMC Section 16.24.040, Removal Permit, states the following:

a) A removal permit shall be required for the removal of any native tree or plant that is subject to the provisions of this chapter.

f) A land use application, a building permit and all other development permits (e.g., grading, mobile home set downs, etc.), shall consider and include a review of any proposed native tree or plant removal. Any approved land use application and/or development permit shall be a permit for the removal of native plants, if such land use application or development permit specifically reviews and approves such removals. Such reviews shall consider and require compliance with the provisions of this chapter.

g) The reviewing authority may require certification from an appropriate tree expert or desert native plant expert that such tree removals are appropriate, supportive of a healthy environment and are in compliance with the provisions of this article.

h) Removals of native trees or plants that are not requested in conjunction with a land use application or development permit may be accomplished only under a permit issued by either the county agricultural commission or the fire marshal, subject to the provisions of this article.

i) The building official shall require a preconstruction inspection prior to approval of development permits.

j) The duration of a plant or tree removal permit when issued in conjunction with a land use application and/or a development permit shall be coterminous with the duration of the associated application or permit, unless otherwise specified. The reviewing authority shall specify the expiration date for all other tree and/or plant removal permits.

2.1.3 Findings for Removals

Per HMC Section 16.24.040, the reviewing authority must authorize the removal of a native tree or plant subject to the provisions of the HMC only if the following findings are made:

a) The removal of the native tree or plant does not have a significant adverse impact on any proposed mitigation measures, soil retention, soil erosion and sediment control measures, scenic routes, flood and surface water runoff and wildlife habitats (flora and fauna), especially those with limited habitats (e.g., eagles).

b) The removal of the native tree or plant is justified for one of the following reasons:

   1) The location of the native tree or plant and/or its drip line interferes with the reasonable improvement of the site with an allowed structure, sewage disposal area, paved area or other approved improvement or ground disturbing activity. Also such improvements have been designed in such a manner as to save as many healthy native trees and/or plants as reasonably practicable in conjunction with the proposed improvements;

   2) The location of the native tree or plant and/or its drip line interferes with the planned improvement of a street or development of an approved access to the subject or adjoining private property;

3) The location of the native tree or plant is hazardous to pedestrian or vehicular travel or safety as determined by the director of transportation, flood control and airports or other county reviewing authority;
4) The native tree or plant or its presence interferes with or is causing excessive damage to utility services or facilities, roadways, sidewalks, curbs, gutters, pavement, sewer line(s), drainage or flood control improvements, foundations, existing structures, or municipal improvements;
5) The condition or location of the native plant or tree is adjacent to and in such close proximity to existing or proposed structure that the native plant or tree has or will sustain significant damage.

c) Joshua trees that are proposed to be removed have been transplanted or stockpiled for future transplanting wherever possible. In the instance of stockpiling the permittee has posted a bond to ensure such Joshua trees are transplanted appropriately.

2.2 California Department of Fish and Wildlife

2.2.1 Department of Fish and Game Code Section 2073.3

Pursuant to the provisions of Section 2073.3 of the California Fish and Game Code, the Commission received a petition from the Center for Biological Diversity on October 21, 2019, to list western Joshua tree as a threatened species under the CESA (Center for Biological Diversity 2019). Pursuant to Section 2073 of the California Fish and Game Code, on November 1, 2019, Commission staff transmitted the petition to the CDFW for review pursuant to Section 2073.5 of said code. After reviewing the petition and other relevant information, CDFW determined that the petition provides sufficient information to indicate that the petitioned action may be warranted for western Joshua tree, and CDFW recommended that the Commission accept the petition for further consideration under CESA (CDFW 2020).

The Commission has the authority to list certain species or subspecies as threatened or endangered under CESA (California Fish and Game Code Sections 2062, 2067, and 2070). The listing process is the same for species and subspecies (California Fish and Game Code Sections 2070–2079.1). CESA sets forth a two-step process for listing a species as threatened or endangered. First, the Commission determines whether to designate a species as a candidate for listing by evaluating whether the petition provides "sufficient information to indicate that the petitioned action may be warranted" (California Fish and Game Code Section 2074.2[e][2]). If the petition is accepted for consideration, the second step requires CDFW to produce, within 12 months of the Commission's acceptance of the petition, a peer reviewed report based on the best scientific information available that indicates whether the petitioned action is warranted (California Fish and Game Code Section 2074.6). Finally, the Commission, based on that report and other information in the administrative record, determines whether the petitioned action to list the species as threatened or endangered is warranted (California Fish and Game Code Section 2075.5). A petition to list a species under CESA must include the following (California Fish and Game Code Section 2072.3; see also 14 CCR 670.1[d][1]):

> Information regarding the population trend, range, distribution, abundance, and life history of a species, the factors affecting the ability of the population to survive and reproduce, the degree and immediacy of the threat, the impact of existing management efforts, suggestions for future management, and the availability and sources of information. The petition shall also include information regarding the kind of habitat necessary for species survival, a detailed distribution map, and any other factors that the petitioner deems relevant.

The range of a species for CDFW's petition evaluation and recommendation is the species' California range (*California Forestry Association v. California Fish and Game Commission* [2007] 156 Cal.App.4th 1535, 1551).

CDFW must evaluate the petition on its face and in relation to other relevant information, and submit to the Commission a written evaluation report with one of the following recommendations:

- Based upon the information contained in the petition, there is not sufficient information to indicate that the petitioned action may be warranted, and the petition should be rejected; or
- Based upon the information contained in the petition, there is sufficient information to indicate that the petitioned action may be warranted, and the petition should be accepted and considered.

CDFW's candidacy recommendation to the Commission is based on an evaluation of whether the petition provides sufficient scientific information relevant to the petition components set forth in California Fish and Game Code Section 2072.3 and the California Code of Regulations (CCR), Title 14, Section 670.1(d)(1).

At its June 2020 meeting, after conversations with the petitioner and other stakeholders, the Commission continued to its August 2020 meeting the consideration and potential action on the petition to determine whether listing western Joshua tree under CESA may be warranted. The item was heard at the August 2020 Commission hearing, but once again continued to the September 2020 hearing. On September 22, 2020, the Commission approved the petition to accept the candidacy proposal for western Joshua tree, effective October 9, 2020 (CDFW 2020). Western Joshua tree was made a candidate under CESA to determine whether the species should become listed. At that point, a second recommendation and vote will confer or deny final protection under the law. When a plant or wildlife species is granted candidacy under CESA, the species is given the same protection as a threatened or endangered species while the Commission evaluates whether formal listing as threatened or endangered under CESA is warranted.

3 Joshua Tree Survey

3.1 Joshua Tree Survey Methods

Per the City's Protected Plants Policy (HMC 16.24), Dudek's International Society of Arboriculture (ISA)–certified arborists performed a Joshua tree survey to inventory and evaluate the health and relocation potential for each Joshua tree located on and within 186 feet of the Project site. The survey encompassed the entire Project site plus a 186-foot buffer (Appendix A, Joshua Tree Locations). The inventory was conducted by ISA-certified arborists Noah Stamm and Katrina Burritt on November 11, 2021; Joshua tree phenological data was collected by Katrina Burritt and Kalie Ortiz on April 7, 2022. During the inventory, the GPS position of each Joshua tree found on site was recorded. Furthermore, the following attributes of each tree were collected:

- Species
- Diameter at standard height (4.5 feet above ground level)
- Height (feet)
- Spread (feet)
- Health (excellent, good, fair, poor, critical, and dead)[2]
- Number of branches
- Clonal status (clone or single trunk)

In addition to the general Joshua tree attributes that were collected, per CDFW, Dudek collected the following phenological data for each Joshua tree found on-site:

- Number of panicles
- New growth
- Leaves
- Flowers
- Open flowers
- Presence of fruit

All inventoried and assessed protected trees were tagged with an aluminum tag bearing a unique identification number, which was placed on the main trunk on the north side of each Joshua tree. Tagging on the north side allows for proper orientation during relocation (each relocated Joshua tree will need to be oriented in the same direction as it was in its original location).

3.2 Joshua Tree Survey Findings

Dudek's arborists recorded 32 Joshua trees within and adjacent to (within 186 feet) the limits of the Project site, as presented in Appendix B, Tree Information Matrix. In total, 16 Joshua trees are located within the Project site,

[22] **Health Rating Descriptions**
Excellent. Tree has excellent health and strong vigor. No damage. Flowering and fruiting expected. Typically, only given to large, high-quality specimens (taller than 15 feet in height). Transplanting generally not recommended due to size.
Good. Tree has good health and vigor. All branches are alive and healthy. Damage is very localized and minimal. Flowering and fruiting likely, if tree is large enough. Tree is transplantable.
Fair. Tree health is average. Some stressors or damage possible, but any damage is minimal to moderate (e.g., rodent grazing, insect damage). No dead/broken branches. Tree is transplantable.
Poor. Tree is under stress, and overall health is in decline, or tree has taken significant damage. Mortality likely unless stressors relieved and/or conditions change. Broken/dead limbs likely present. Tree is generally not transplantable.
Critical. Tree is in extreme decline. One or more branches dead. One or more branches dying. Physical damage likely present. Damage is significant and extensive. Mortality expected within 2 to 4 years. Tree is not transplantable.
Dead. Tree is dead.

and an additional 16 trees are located within 186 feet of the Project site (survey area) Trees in the tree survey area vary in size and stature according to age and location. In total, 23 single-/multi-trunk Joshua trees and 9 clonal (multiple trunks or those trees within 6 feet of an individual) trees were mapped throughout the tree survey area. Stem diameter for single and clonal trees range from 1 to 19 inches. Tree heights vary from 1 foot for younger trees to 20 feet for mature Joshua trees. Tree crown extents range from 1 foot to nearly 18 feet at their widest location for single-stemmed trees. The total number of branches on the Joshua trees range from 0 (single trunk) to 4 for mature trees. The health of the Joshua trees varies across the site, and ranges from fair to good. In total, 31 trees (96.88%) exhibit good health and 1 tree (3.12%) exhibits fair health.

In addition to the general tree and health characteristics, Dudek arborists collected baseline phenological data for each tree. In total, 17 trees were observed to have panicles, and the number of panicles observed on each tree ranged from 1 to 32. New growth was observed on 31 trees, and no new growth was observed a single tree. Leaves were observed on all 32 trees. Flowers were observed on 10 trees, with 4 of those trees exhibiting open flowers. Lastly, fruit was observed on 13 trees, and fruit drop was observed on 16 trees. Individual attributes of each tree are presented in Appendix B, and representative photographs are presented in Appendix C, Site Photographs.

3.3 Project Impacts – Joshua Trees

There is wide variation in tolerance to construction impacts among tree species, and the response of an individual tree to impacts also varies with age and condition. Impacts assessed for the Project include those trees with protected zones within 20 feet of proposed improvements and identified disturbance areas (as defined in the Project site plan). The impact discussion in this section identifies all impacts to protected Joshua trees that are anticipated to occur based on an evaluation of tree locations compared with the Project site plan. Trees identified for retention and removal are graphically presented in Appendix D, Tree Impacts.

Based on grading and development plans for the proposed Project, it is estimated that 16 trees (50%) will require removal to accommodate the Project. The proposed Project would preserve the remaining 16 trees (50%), which would remain in place. Table 1 summarizes impact determinations for Joshua trees within the tree survey area that are subject to regulation under Section 16.24.060, Plot Plan Requirements, of the HMC.

Table 1. Summary of Protected Tree Impact Determinations

Health	Impact Determination		Total (number)
	Removal (number)	No Impact (number)	
Good	16	15	31
Fair	0	1	1
Poor	0	0	0
Critical	0	0	0
Dead	0	0	0
Total	**16**	**16**	**32**

4 City of Hesperia Requirements

4.1 Plot Plan Requirements

Section 16.24.060 of the HMC states the following:

> Prior to the issuance of a native tree or plant removal permit in conjunction with a development permit and/or approval of a land use application which authorizes such removal, a plot plan or grading plan shall be approved by the appropriate City review authority for each site indicating exactly which trees or plants are authorized to be removed. The required information can be added to any other required site plan. Prior to issuance of development permits in areas with native trees or plants that are subject to the provisions of this chapter, a preconstruction inspection shall be conducted by the appropriate authority. Such preconstruction inspections may be combined with any other required inspection.

As such, Appendix D details the post-construction status of each mapped and evaluated Joshua tree found on the Project site.

4.2 Relocation and Protection Trees

Per Section 16.24.060 of the HMC, each tree was evaluated for its relocation potential. Due to the low success rate of mature Joshua tree relocation, only single-stemmed trees in good health and less than 15 feet in height were selected. Based on Project-related impacts, 16 Joshua trees would be directly impacted by the proposed Project. Of the 16 direct impacts, 13 Joshua trees met the defined criteria for improved likelihood of post-transplant success. As such, per Section the HMC, relocation and/or mitigation is required for the 13 trees meeting the minimum requirements for relocation. The Project site can accommodate all 13 relocatable Joshua trees.

Furthermore, based on the impact analysis, one Joshua tree may be encroached upon, and 16 Joshua trees would not be directly impacted by the proposed Project. As such, it is recommended that the 16 non-impacted trees be protected in place in accordance with the tree protection measures identified in this Joshua Tree Plan. The locations of the 13 Joshua trees recommended for relocation and 16 preservations are shown in Appendix D.

4.3 Relocation Specifications

The following sections identify the designated storage and relocation locations for the proposed transplanted/ salvaged trees. Details and specifications for the Joshua tree relocation, storage, and care in the post-development landscape are also provided in this section.

4.3.1 Salvage

Joshua trees have fragile, shallow root systems that are easily damaged during the salvaging and relocation process. During the excavation of the rootball, it is important that as much of the existing root structure as possible be captured so that an intact rootball is maintained during the salvaging and relocation process. The following sections include recommendations to help increase the chances of successful salvage/relocation.

4.3.1.1 Contractor

Joshua tree salvage and relocation will be completed by an experienced Joshua tree relocation specialist.

4.3.1.2 Pre-Salvage Meeting

Prior to initiating Joshua tree salvage, all contractors involved in the salvage project will attend a site meeting with the Project arborist. The Project arborist will provide the contractor(s) with a copy of the Joshua Tree Plan and will review all relevant components of the Joshua Tree Plan.

4.3.1.3 Salvage Timing

To increase the chances of a successful relocation, trees should be relocated during October through February. To increase Joshua tree survivability, the trees should not be dug out and/or salvaged in warmer months (April through September). However, should Project limitations and timing require a date not during the recommended October through February salvage period, salvaged trees should be stored in a temporary, on-site location, per the recommendations in Section 4.4, Storage.

4.3.1.4 Pre-Irrigation

Prior to Joshua tree digging, each identified Joshua tree relocation candidate will be pre-watered. Specifically, each tree will be watered 24 hours prior to relocation. Pre-watering will thoroughly soak the rootball of each tree.

4.3.1.5 Equipment Sanitization

Equipment will be sterilized prior to digging up and transplanting each tree. Equipment sterilization will reduce the likelihood of pathogens being passed from tree to tree.

4.3.1.6 Digging

Tree relocation is best completed through the use of machinery. A front-end loader or hydraulic tree spade is recommended. The hydraulic tree spade may be best used in instances where the soil type is sandy or silty. However, hand-digging of smaller Joshua trees (1 to 2 feet in height) is acceptable. The goal of relocation is to maintain a high root-to-shoot ratio. Joshua tree excavation will capture as much of the rootball as possible; however, due to the tree's shallow root system, holes do not need to be deep. In general, the digging holes may range from 12 to 18 inches in depth for smaller trees (1 to 2 feet tall) to 24 to 36 inches deep for larger trees. The entire rootball will be removed intact, if possible.

4.3.1.7 Root Maintenance

All attempts will be made to minimize exposure of the rootball to air; exposed roots will be kept wet at all times during the relocation process. Damaged and exposed roots will be cleaned and dusted with sulfur or a fungicide to decrease the likelihood of root pathogens.

4.4 Storage

All 13 Joshua trees recommended for relocation will be transplanted to locations throughout the Project site. All 13 trees will be stored within a temporary storage location approved by a qualified arborist. The temporary storage location will be based on the development schedule. The storage location will be determined at a later date once the final schedule is confirmed. Trees requiring storage or stockpiling in the short term (i.e., 1 to 4 weeks) will adhere to the storage recommendations provided in the following sections.

4.4.1 Storage Guidelines

Trees stockpiled for longer than 2 weeks will be temporarily stored in shallow ditches, backfilled with native soils, and tamped down. The shallow ditches will be dug prior to tree relocation, and the final depth will be comparable to the depth at which each Joshua tree is dug. Temporary storage trench depths will be approximately 12 to 24 inches deep, depending on the size of the tree's rootball. Trench widths will be 1 foot larger than the rootball of the tree, and long enough to accommodate the tree, with enough room for equipment between each tree. Multiple trenches may be required to accommodate all salvaged trees.

4.4.2 Storage Direction

During storage, all trees will be oriented in the same direction that they were prior to removal. Each Joshua tree will be tagged on its northern side and will be reoriented with the tagged side facing north. Prior to tree relocation, each tag will be inspected to ensure that it securely attached to the tree.

4.4.3 Stabilization

Larger plants, over 5 feet tall, may require stabilization until the roots have had the opportunity to become reestablished. To support larger trees, guy-wire staking may be necessary. Guywires will be connected to the ground (i.e., preferably via a "dead-man" anchor below grade) and attached to the trunk or limbs with an expandable, non-abrasive connector. Multiple guywires may be required (i.e., recommended three equally spaced around the rootball for stability). Trees requiring stabilization are identified in Appendix B.

4.4.4 Irrigation

Stored trees will be watered 1 to 2 times per week during the storage period to ensure tree health and increase relocation success. During the storage period, the trees will be watered by hand or by temporary irrigation. Should temporary irrigation be installed, the use of drip emitters is recommended. Irrigation emitters will be spaced according to the watering zone specified for each tree. The watering zone for each tree is identified in Appendix B. The total amount of water required for each tree will be dependent on the season and tree size. Irrigation needs may range from 2 to 20 gallons per watering cycle, and will be dependent on ambient daytime temperatures and rainfall totals. Additionally, persistent wet soil will cause mildew and root rot. As such, soil moisture levels will be routinely checked at the time of watering, and allowed to dry out between watering cycles. The irrigation schedule will be adjusted to meet the conditions described above.

4.4.5 Duration

Trees will not be stockpiled or stored for longer than 45 days.

4.4.6 Summer Salvage: Temporary Shade Structure

Per Section 4.3.1.3, Salvage Timing, should Project limitations and timing require an earlier start date than the recommended October through February salvage period, salvaged trees will be stored as described in Section 4.3.1, Salvage. Furthermore, to reduce tree stress and reduce the risk of post-transplant mortality, the salvaged trees will be stored underneath a temporary shade structure. The temporary shade structure will be sufficient in size to cover the salvaged trees and provide protection from the direct heat of the summer sun. The shade structure will use a minimum 30% shade cloth to shade the trees during the warmer months. The shade structure will be attached to galvanized steel structural poles (or similar) to ensure the shade structure is structurally stable. The shade structure will be installed per the manufacturer's recommendations. Due to the potential for high winds, the shade structure will be attached to the ground using diagonal "dead-man" cable supports and concrete-post footings. The shade structure will be of adequate height to cover the trees. For trees that are greater than 10 feet in height (8 trees), individual shade structures may be established for each tree. The remaining trees, under 10 feet in height, may be stored under a contiguous structure. In addition to the temporary shade structure, all salvaged trees will be relocated and maintained per the recommendations specified throughout this Joshua Tree Plan.

4.5 Transplant Planting

All 13 salvaged Joshua trees will be relocated into the post-construction landscape. The 13 final planting locations are presented in Appendix E, Landscape Plan. The following sections detail transplanting guidelines for the salvaged Joshua trees.

4.5.1 Site Preparation

Prior to tree transplantation, each receiver location will be dug. The 13 final planting locations will be finalized once the final landscape plan has been developed and approved. Prior to digging, the sites will be flagged for identification by the Project arborist or registered botanist. In general, the digging hole may range from 12 to 18 inches in depth for smaller trees (1 to 2 feet tall) to 24 to 36 inches deep for larger trees. The width of the hole will be approximately 1 foot larger than the rootball of the transplanted tree. Holes may require additional digging prior to Joshua tree installation.

4.5.2 Pre-Watering

A water and root hormone mixture will be prepared prior to transplanting the trees. The mixture will be composed of vitamin B1, which is commonly sold by nurseries. The mixture will be mixed per the manufacturer's directions, which is typically at a 1:250 ratio (B1-to-water ratio). The receiving hole will be filled with the diluted mixture of rooting hormone and water, and allowed to drain prior to placing the tree in the hole.

4.5.3 Planting Direction

Proper orientation of the relocated trees is important to the success of the salvaged trees. Improper planting can result in sunburn and growth distortion. As such, the north side of each tree will be clearly marked/tagged prior to digging, and each tree will be replanted (and stored) in the same orientation as it was in prior to removal.

4.5.4 Planting

Prior to final installation, the hole size will be inspected by the Project arborist to ensure that the planting hole is at minimum 1 foot wider than the rootball and is neither too deep nor too shallow. The hole may require minor adjustments prior to installation. The depth of the hole must be less than the height of the root ball. If the hole is inadvertently dug too deep, soil will be added and compacted by hand or foot. Breaking up compacted soil in a large area around the tree (outside the drip line of the tree) provides the newly emerging roots room to expand into loose soil. This will hasten root growth, translating into quicker establishment. Once the size of the hole is finalized, the tree will be lowered into the hole in the proper orientation, backfilled with native soil, and watered again. Following backfilling and placement, the rootball will be tamped down into the hole to eliminate water pockets.

Following planting, a water basin will be installed approximately 1 foot outside of the pre-determined watering zone. The watering basin will be approximately 3 to 4 inches in height and will surround the tree. The basin will be left intact throughout the establishment period.

4.5.5 Post-Transplant Stabilization

Larger plants, over 5 feet tall, may require stabilization until the roots have had the opportunity to become reestablished. To support larger trees, guy-wire staking may be necessary. Guy-wires will be connected to the ground (i.e., preferably via a “dead-man” anchor below grade) and attached to the trunk or limbs with an expandable, non-abrasive connector. Multiple guy-wires may be required (i.e., recommended three equally spaced around the rootball for stability). Guy-wires will be removed once the tree is determined to be established by the Project arborist. Trees requiring stabilization are identified in Appendix B.

4.6 Post-Relocation Care

4.6.1 Irrigation

Trees that have been relocated to their final planting location will be watered 1 to 2 times per week for an initial 2 to 3 months, depending on the season, rainfall totals, tree size, and watering zone size. Irrigation will be adjusted seasonally, with a goal of removing the transplanted trees from supplemental irrigation after 2 years have passed and growth has resumed. The total amount of water required for each tree will be dependent on the season and tree size. Persistent wet soil will cause mildew and root rot. As such, soil moisture levels will be routinely checked at the time of watering, and the soil will be allowed to drain and dry out between watering cycles. Watering will be accomplished by hand or by a temporary irrigation system. During irrigation, the tree basin will be filled and allowed to fully drain. Irrigation needs may range from 2 to 20 gallons per watering. The watering cycle will be adjusted based on tree health and season. The watering zone for each tree (distance from the trunk) is defined for each tree in Appendix B.

4.6.2 Stabilization

Trees that have been stabilized will be routinely inspected by the Project arborist to ensure that the guy-wires and straps are not damaging the trees. The expandable, non-abrasive connectors will be adjusted, as needed, to minimize damage to the trees. The guy-wires can be removed once the Project arborist has determined that the

trees have become established. In general, little to no movement should be observed on the rootball when the tree is gently pushed. Once the roots are well established, it is important to remove the tree stakes. This will encourage a natural strengthening of the tree trunk so it can support the weight of the branches as they begin grow and spread.

4.6.3 Fertilization

Post-transplantation fertilization is not required.

4.7 Monitoring and Reporting

Tree relocation, stockpiling, maintenance, and watering will be monitored by a certified arborist or registered botanist.

4.7.1 Monitoring

The City does not define a minimum post-transplantation monitoring period. However, an annual inspection and report for 4 years is recommended. For the initial 3 months following transplantation, weekly monitoring by a certified arborist or registered botanist will occur to ensure that the watering needs of each relocated tree are being met. Following the initial 3-month monitoring period, the relocated trees will be monitored on a monthly basis for 9 months. Following the first year of monitoring, the trees will be monitored quarterly (every 3 months) for 3 years to ensure tree establishment. Monitoring may be adjusted based on tree health and observations by the Project arborist. The monitoring period will begin once all trees have been installed.

4.7.2 Reporting

Annual reports will be prepared at the end of each calendar year to document the status of the transplantation program and the health/survivability of the relocated trees. Reports of all monitoring will be submitted to the City. Monitoring will track the location, health, and status of each transplanted Joshua tree. The monitoring arborist or registered botanist will include recommendations for maintenance and irrigation, should they be needed.

4.8 Transplantation Success Criteria

The City does not define a minimum success ratio for transplanted Joshua trees. Due to the low relocation success rate of Joshua trees, the transplantation program would be considered successful if, after four growing seasons (4 years)—including two growing seasons with supplemental irrigation and two without—the transplanted trees maintain a minimum of 70% survivability. As such, based on 13 potential relocation trees, the relocation would be considered successful should approximately 9 Joshua trees survive past the 4-year threshold. Should the surviving number of trees drop below 70%, it is recommended that trees be obtained from a local adoption program or from a local nursery to meet the 4-year, 70% threshold. The City may define alternative minimum success criteria.

5 California Department of Fish and Wildlife Mitigation

The following section details the proposed mitigation program described within the ITP application for the Project (Item No. 9 in the application).

5.1 Proposed Measures to Minimize and Fully Mitigate the Impacts of the Proposed Taking

Conservation efforts for western Joshua tree should focus on the conservation of large, interconnected Joshua tree woodlands on lands where edge effects are limited versus lands in urban settings that are subject to habitat fragmentation and edge effects, such as the Project site.

Mitigation efforts should contribute to the conservation of large, interconnected Joshua tree woodlands. Larger preserves have several advantages over multiple smaller preserves, even if the total area preserved is the same. Larger preserves have a greater chance of preserving habitat diversity at all scales, supporting larger local populations, helping maintain functioning metapopulations (partially isolated subpopulations of the same species that support immigration and emigration and provide for recolonization following local extirpations), and supporting greater species genetic diversity, and are more likely to maintain intact watershed functions. Larger preserves also have less habitat fragmentation and provide greater protection from edge effects due to a larger area-to-perimeter ratio compared to smaller preserves. Additionally, large preserves usually facilitate more cost-effective land management.

Natural land covers preserved as habitat linkages connect larger habitat tracts that would otherwise be isolated to movement of wildlife and movement of plant species pollinators between preserves (i.e., movement corridors). Movement corridors should be as wide, continuous, natural, and vegetatively diverse as possible to accommodate as many species as possible and protect against adverse edge effects. Some smaller, less-mobile species may actually reside within a linkage, and larger and/or more mobile species may only use each linkage as a movement corridor.

Species populations with larger numbers of individuals are known to be more stable in the long term, less vulnerable to adverse demographic effects caused by environmental stochasticity (probabilistic events such as floods, fires, and disease), and less vulnerable to extirpation (extermination) compared to smaller populations. Larger populations tend to possess higher genetic diversity, which can reduce the chance of genetic bottlenecks, genetic drift, and inbreeding depression. Larger populations better cope with and/or adapt to changing environmental conditions and local stochastic effects due to their greater number of individuals and likely greater genetic heterogeneity.

Mitigation for Direct Impacts

Mitigation for direct impacts to 32 western Joshua trees will be fulfilled through conservation of western Joshua trees at a 2:1 habitat replacement of equal or better functions and values to those impacted by the Project. Mitigation will be accomplished either through off-site conservation or through a CDFW-approved mitigation bank. If mitigation is not purchased through a mitigation bank and lands are conserved separately, a cost estimate will

be prepared to estimate the initial start-up costs and ongoing annual costs of management activities for the management of the conservation easement(s) area in perpetuity. The funding source will be in the form of an endowment to help the qualified natural lands management entity that is ultimately selected to hold the conservation easement(s). The endowment amount will be established following the completion of a Project-specific Property Analysis Record to calculate the costs of in-perpetuity land management. The Property Analysis Record will take into account all of the management activities required in the ITP to fulfill the requirements of the conservation easement(s), which are currently in review and development.

Table 2 summarizes the direct impacts to western Joshua tree by size class, the radius or buffer distance applied by class size, and the total acreage of the impacted buffer (i.e., 61.8 acres).

Table 2. Mitigation for Direct Impacts to Western Joshua Tree

	No. of Trees 1 Meter or Less	No. of Trees More than 1 Meter but Less than 5 Meters	No. of Trees 5 Meters or Greater	Total Number of Trees
Direct Impacts	7	19	6	32
Buffer Distance	186 feet	186 feet	186 feet	—
Buffer Impacts Acres	N/A	N/A	N/A	61.8

Furthermore, the ITP states that western Joshua trees will be relocated and planted on site, as feasible. Additional details related to CDFW requirements can be found within the proposed mitigation program described within the ITP application for the Project.

6 Tree Protection

For Joshua trees that do not require relocation, the following measures are recommended so that they have protected zones (crown/canopy width plus 6 feet) around each tree within and immediately adjacent to (within 25 feet of) all active construction areas. For protected trees on site that remain within undisturbed areas, similar tree protection measures are recommended to ensure against potential inadvertent disturbance.

6.1 Tree Protection Measures prior to Construction

Fencing: Orange polyethylene construction fencing, no less than 4 feet in height, with tree protection signs, will be erected around all undisturbed trees (or tree groups). The protective fencing will be installed at the protected zone boundary of each tree (or tree group), which is defined as 6 feet beyond the tree crown/canopy dripline. The intent of protective fencing is to prevent root damage and/or compaction of the soil by grading equipment. An ISA-certified arborist may be required on site if grading activities occur within a tree's protected zone. Fencing will be secured to 6-foot-tall, heavy-gauge T-bar posts pounded into the ground a minimum of 18 inches and spaced a minimum of 8 feet on center. Fencing will be attached to the T-bar posts, with minimum 14-gauge wire fastened to the top, middle, and bottom of each post. Tree protection signs will be attached to every fourth post. The contractor will maintain the fence to keep it upright, taut, and aligned at all times. Fencing will be removed only after all construction activities in the vicinity of the protected trees are complete.

Pre-Construction Meeting: A pre-construction meeting will be held between all contractors (including grading, tree removal/pruning, and builders) and an ISA-certified arborist or registered botanist. The meeting will focus on instructing the contractors on tree protection practices and on answering any questions. All equipment operators and spotters, assistants, and those directing operators from the ground will provide written acknowledgment of having received tree protection training. This training will include information on the location and marking of protected trees, the necessity of preventing damage, and the discussion of work practices that will accomplish these tasks.

6.2 Protection and Maintenance During Construction

Once construction activities have begun, the following protection measures will be followed:

Equipment Operation and Storage: Contractors will avoid heavy equipment operation around protected trees. Operating heavy machinery around the root zones of trees will increase soil compaction, which decreases soil aeration and consequently reduces water penetration into the soil. All heavy equipment and vehicles will, at minimum, stay out of the fenced protected tree zone except where specifically approved in writing and under the supervision of a certified arborist or registered botanist.

Materials Storage and Disposal: Contractors will not store or discard any supplies or materials, including paint, lumber, and concrete overflow, within the protected zone, and will remove all foreign debris within the protected zone. However, the contractors will leave the duff, mulch, chips, and other organic material around the retained trees for water retention and nutrient supply. In addition, the contractors will avoid draining or leakage of equipment fluids near retained trees. Fluids such as gasoline; diesel; oils; hydraulic, brake, and transmission fluids; paint; paint thinners; and glycol (anti-freeze) will be disposed of properly. Contractors will ensure that equipment is parked outside of the protected zone to avoid the possibility of leakage of equipment fluids into the soil. The effect of toxic equipment fluids on the trees could result in tree decline and mortality.

Grade Changes: Contractors will ensure that grade changes, including adding fill, are not permitted within the protected zone without special written authorization and under supervision by an ISA-certified arborist or registered botanist. Lowering the grade within the protected zone would necessitate cutting main support and feeder roots, jeopardizing the health and structural integrity of the trees. Adding soil, even temporarily, on top of the existing grade would compact the soil further and decrease water and air availability to the tree roots. Contractors will ensure that grade changes made outside of the protected tree zone will not create conditions that allow water to pond at the base of trees. Water trapped at the base of a tree could lead to root rot and other detrimental tree impacts.

Moving Construction Materials: Contractors will ensure that care is exercised when moving construction equipment and supplies near undisturbed Joshua trees, especially overhead. Contractors will ensure that damage to the trees is avoided when transporting or moving construction materials and working around trees (even outside of the fenced protected zone). Contractors will flag aboveground tree parts that could be damaged (e.g., low limbs, scaffold branches, and trunks) with high-visibility flagging, such as fluorescent red or orange flagging.

Trenching: Except where specifically approved in writing beforehand, all trenching will be outside the fenced protected zone. Where trenching is necessary in areas that contain roots from retained trees, contractors will use trenching techniques that include the use of either a root pruner (Dosko root pruner or equivalent) or an Air-Spade to limit root impacts. An ISA-certified arborist or registered botanist will ensure that all pruning cuts are clean and sharp to minimize ripping, tearing, and fracturing of the root system. Root damage caused by backhoes, earthmovers, dozers, or graders is severe and may result in tree mortality. Use of root-pruning and Air-Spade equipment will be accompanied only by hand removal of soil from trench locations. The trench will be made no deeper than necessary to accommodate the intended materials.

Irrigation/Hand Watering: Irrigation/hand watering of retained Joshua trees on site will seek to mimic natural rainfall patterns in Southern California. As such, irrigation/hand watering is not required unless recommended by the monitoring ISA-certified arborist or registered botanist.

Inspection/Reporting: An ISA-certified arborist or registered botanist will inspect the preserved trees adjacent to grading and construction activity on a monthly basis for the duration of the Project's construction period. A site observation report summarizing site conditions, observations, tree health, and recommendations for minimizing tree damage will be submitted by the ISA-certified arborist or registered botanist following each inspection. Annual monitoring reports to document year-end conditions will also be submitted.

6.3 Maintenance after Construction

Following completion of the construction activity within 20 feet of the protected zones of undisturbed Joshua trees, the tree protection fencing may be removed, and the following measures may be performed to sustain and enhance the vigor of the trees:

Pruning: Regular pruning of the trees is not required.

Watering: The retained trees should not require regular irrigation/hand watering, other than during the 12 months following substantial root pruning, if applicable. Supplemental irrigation/hand watering for the retained trees that sustained root pruning and any newly planted trees may be necessary, especially in years with low winter rainfall.

Watering Adjacent Plant Material: All watering near retained Joshua trees and adjacent vegetation should mimic natural rainfall patterns. Supplemental irrigation of adjacent plant material should not be required.

Monitoring: For the initial 3 months, weekly monitoring by an ISA-certified arborist or registered botanist is recommended to ensure that the watering needs of each tree is being met. Following the initial 3-month monitoring period, it is recommended that the trees be monitored on a monthly basis for 9 months. Following the first year of monitoring, it is recommended that the trees be monitored quarterly (every 3 months) for 3 years. Following each monitoring visit, a site observation report summarizing site conditions, observations, tree health, and recommendations for promoting tree health should be submitted. Any tree mortality will be noted, and any tree dying during the monitoring period will be replaced with the same species as specified per City replacement standards.

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7 Fees

Per HMC Section 16.24.080, where permits or reviews are required and they are not incorporated into other review or permit procedures, fees will be paid in accordance with the City's fee schedule.

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8 Desert Native Plants

Based on the results of the surveys conducted by Dudek botanists on May 9, 2022, no desert native plant species, except for western Joshua tree, were observed within the Project footprint. Joshua tree is protected by the City of Hesperia's Protected Plant Policy (HMC Chapter 16.24 et seq.), the County of San Bernardino's Desert Native Plant Protection Ordinance, and the state Desert Native Plants Act (i.e., Food and Agricultural Code 80001 et seq.).

In accordance with the California Desert Native Plants Act and HMC Section 16.24.040 (Protected Plant Ordinance), a native plant removal permit must be obtained from the City prior to the removal of Joshua tree.

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9 References

CDFW (California Department of Fish and Wildlife). 2020. *California Fish and Game Commission Notice Of Findings, Western Joshua Tree* (Yucca brevifolia). September 24, 2020. https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=183565&inline.

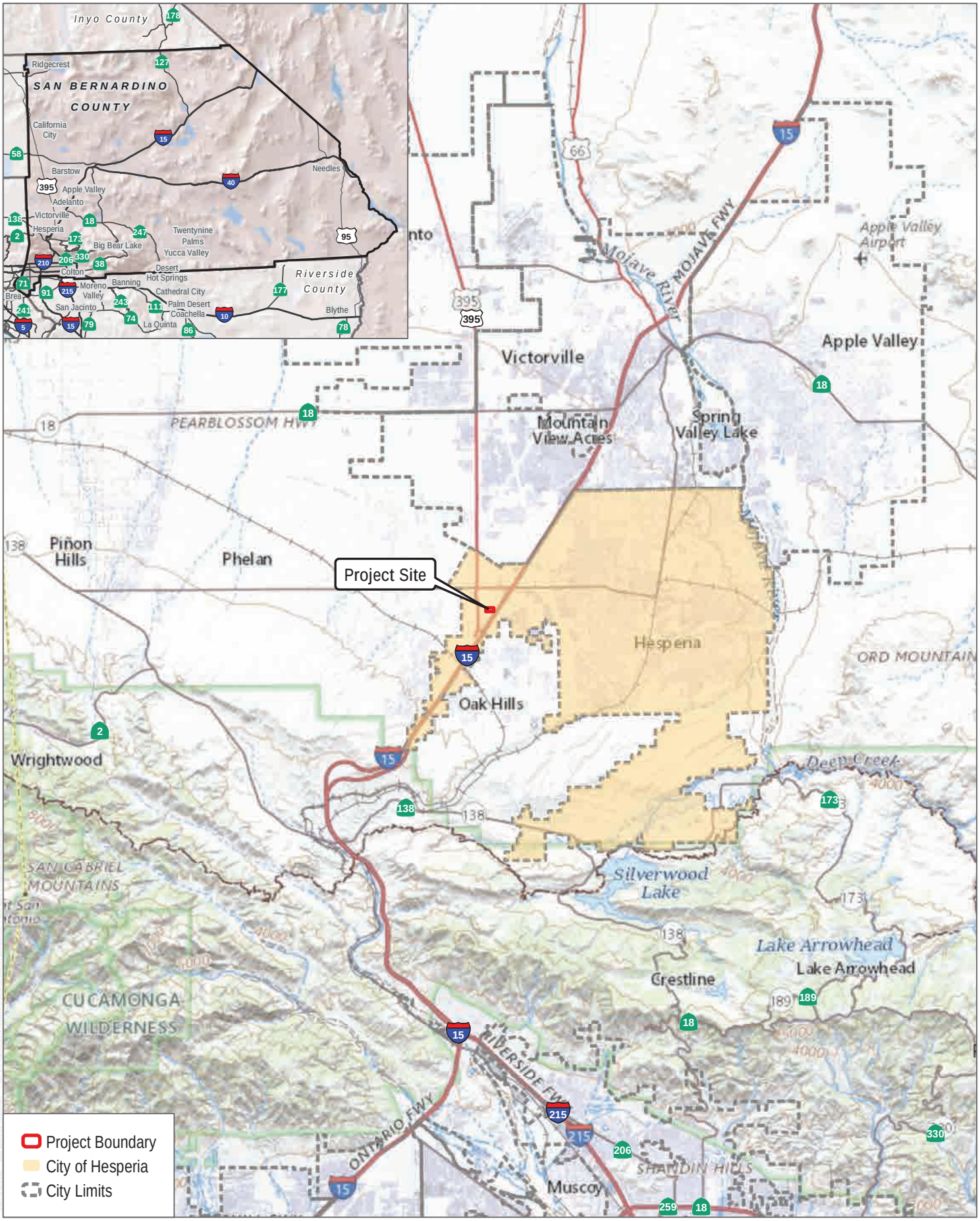
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USGS (U.S. Geological Survey). 2007. Baldy Mesa, California, U.S. Geological Survey 7.5-Minute Topographic Quadrangle Map.

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SOURCE: USGS Topo Maps 2022; County of San Bernadino 2022

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FIGURE 1

Regional Map

Poplar 18 Project

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SOURCE: Bing Maps; County of San Bernadino 2017

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0 500 1,000 Feet

FIGURE 2

Project Vicinity

Poplar 18 Project

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SOURCE: Esri World Imagery Basemap 2021; County of San Bernadino 2022; City of Hesperia 2020; RGA Office Of Architectural Design 2021

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0 100 200 Feet

FIGURE 3

Site Plan

Poplar 18 Project

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Appendix A

Joshua Tree Locations



SOURCE: Bing Maps 2021

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0 100 200 Feet

APPENDIX A

Joshua Tree Locations

Poplar 18 Project

Appendix B
Tree Information Matrix

Table 1. Western Joshua Tree Information Matrix

Tree No.	Botanical Name	Common Name	D.B.H. (in)	Height (ft.)	Height Classification	Spread (ft.)	Health	Number of Branches	Clonal Status	Number of Clones	Number of Panicles	New Growth	Leaves	Flowers	Open Flowers	Fruit	Fruit Drop	Relocation Potential[1]	Impact Disposition	Location	Notes	Easting (X-Coordinate)	Northing (Y-Coordinate)
1	*Yucca brevifolia*	Joshua Tree	6	7	>1 meter but <5 meters	4	Good (80)	2	Single Trunk	0	0	Yes	Yes	No	No	No	Yes	**Yes**	Removal	On-Site	—	6744267.025	1974394.418
2	*Yucca brevifolia*	Joshua Tree	14	15	>1 meter but <5 meters	18	Good (80)	3	Clone	10	25	Yes	Yes	Yes	Yes	Yes	Yes	No	Removal	On-Site	14, 2, 14, 7,6,13, 8,6,10, 11	6744227.113	1974528.054
3	*Yucca brevifolia*	Joshua Tree	3	1	≤1 meter	1	Good (80)	1	Single Trunk	0	0	Yes	Yes	No	No	No	No	**Yes**	Removal	On-Site	—	6744214.416	1974710.253
4	*Yucca brevifolia*	Joshua Tree	4	1	≤1 meter	1	Good (80)	1	Single Trunk	0	0	No	Yes	No	No	No	No	**Yes**	Removal	On-Site	—	6744210.936	1974717.188
5	*Yucca brevifolia*	Joshua Tree	5	6	>1 meter but <5 meters	2	Good (80)	0	Single Trunk	0	0	Yes	Yes	No	No	No	No	N/A	Preserve	Within 186-Ft Buffer	—	6744276.718	1974958.784
6	*Yucca brevifolia*	Joshua Tree	6	6	>1 meter but <5 meters	2	Good (80)	2	Single Trunk	0	0	Yes	Yes	No	No	No	No	N/A	Preserve	Within 186-Ft Buffer	—	6744326.451	1974952.615
7	*Yucca brevifolia*	Joshua Tree	1	1	≤1 meter	1	Good (80)	0	Single Trunk	0	0	Yes	Yes	No	No	No	No	N/A	Preserve	Within 186-Ft Buffer	—	6744327.283	1974951.874
8	*Yucca brevifolia*	Joshua Tree	5	5	>1 meter but <5 meters	1	Good (80)	0	Single Trunk	0	1	Yes	Yes	Yes	No	No	No	No	Preserve	Within 186-Ft Buffer	—	6744301.053	1974914.788
9	*Yucca brevifolia*	Joshua Tree	13	15	>1 meter but <5 meters	10	Good (80)	3	Single Trunk	0	8	Yes	Yes	Yes	No	Yes	Yes	**Yes**	Removal	On-Site	—	6744335.056	1974820.176
10	*Yucca brevifolia*	Joshua Tree	1	3	≤1 meter	1	Good (80)	0	Single Trunk	0	0	Yes	Yes	No	No	No	No	**Yes**	Removal	On-Site	—	6744337.428	1974700.428
11	*Yucca brevifolia*	Joshua Tree	6	7	>1 meter but <5 meters	3	Good (80)	2	Single Trunk	0	1	Yes	Yes	No	No	Yes	Yes	**Yes**	Removal	On-Site	—	6744342.697	1974473.376
12	*Yucca brevifolia*	Joshua Tree	1	1	≤1 meter	1	Good (80)	0	Single Trunk	0	0	Yes	Yes	No	No	No	No	**Yes**	Removal	On-Site	—	6744345.353	1974464.232
13	*Yucca brevifolia*	Joshua Tree	5	8	>1 meter but <5 meters	4	Good (80)	2	Single Trunk	0	2	Yes	Yes	No	No	No	Yes	**Yes**	Removal	On-Site	—	6744345.905	1974466.774
14	*Yucca brevifolia*	Joshua Tree	5	6	>1 meter but <5 meters	2	Good (80)	0	Clone	1	1	Yes	Yes	Yes	Yes	No	No	No	Removal	On-Site	6	6744353.424	1974451.693
15	*Yucca brevifolia*	Joshua Tree	1	1	≤1 meter	1	Good (80)	0	Single Trunk	0	0	Yes	Yes	Yes	No	No	No	**Yes**	Removal	On-Site	—	6744359.577	1974445.872
16	*Yucca brevifolia*	Joshua Tree	5	4	>1 meter but <5 meters	1	Good (80)	0	Single Trunk	0	0	Yes	Yes	No	No	No	Yes	**Yes**	Removal	On-Site	—	6744328.063	1974457.205
17	*Yucca brevifolia*	Joshua Tree	5	6	>1 meter but <5 meters	2	Good (80)	0	Single Trunk	0	0	Yes	Yes	No	No	No	No	**Yes**	Removal	On-Site	—	6744545.786	1974387.602
18	*Yucca brevifolia*	Joshua Tree	6	6	>1 meter but <5 meters	3	Good (80)	3	Single Trunk	0	2	Yes	No	Yes	No	Yes	Yes	**Yes**	Removal	On-Site	—	6744631.073	1974554.903
19	*Yucca brevifolia*	Joshua Tree	17	18	≥5 meters	12	Good (80)	3	Clone	2	21	Yes	Yes	Yes	Yes	Yes	Yes	No	Removal	On-Site	16, 16	6744611.043	1974669.150
20	*Yucca brevifolia*	Joshua Tree	14	12	>1 meter but <5 meters	10	Good (80)	4	Single Trunk	0	5	Yes	Yes	Yes	Yes	No	No	**Yes**	Removal	On-Site	—	6744515.502	1974857.649

Table 1. Western Joshua Tree Information Matrix

Tree No.	Botanical Name	Common Name	D.B.H. (in)	Height (ft.)	Height Classification	Spread (ft.)	Health	Number of Branches	Clonal Status	Number of Clones	Number of Panicles	New Growth	Leaves	Flowers	Open Flowers	Fruit	Fruit Drop	Relocation Potential[1]	Impact Disposition	Location	Notes	Easting (X-Coordinate)	Northing (Y-Coordinate)
21	*Yucca brevifolia*	Joshua Tree	19	20	≥5 meters	15	Good (80)	4	Single Trunk	0	10	Yes	Yes	No	No	Yes	Yes	N/A	Preserve	Within 186-Ft Buffer	—	6744666.356	1974982.627
22	*Yucca brevifolia*	Joshua Tree	4	6	>1 meter but <5 meters	2	Good (80)	0	Clone	1	0	Yes	Yes	No	No	No	No	N/A	Preserve	Within 186-Ft Buffer	—	6744954.841	1974959.602
23	*Yucca brevifolia*	Joshua Tree	15	20	≥5 meters	15	Good (80)	3	Clone	7	32	Yes	Yes	No	No	Yes	Yes	N/A	Preserve	Within 186-Ft Buffer	6, 13, 13, 11, 7, 6, 11	6745178.785	1974958.128
24	*Yucca brevifolia*	Joshua Tree	17	20	≥5 meters	15	Good (80)	4	Single Trunk	0	13	Yes	Yes	No	No	Yes	Yes	N/A	Preserve	Within 186-Ft Buffer	—	6744142.001	1974725.131
25	*Yucca brevifolia*	Joshua Tree	10	12	>1 meter but <5 meters	8	Fair (60)	3	Clone	1	10	Yes	Yes	No	No	Yes	Yes	N/A	Preserve	Within 186-Ft Buffer	Clone is dead	6744384.100	1974925.802
26	*Yucca brevifolia*	Joshua Tree	3	2	≤1 meter	1	Good (80)	0	Single Trunk	0	0	Yes	Yes	No	No	Yes	Yes	N/A	Preserve	Within 186-Ft Buffer	—	6744310.286	1975036.517
27	*Yucca brevifolia*	Joshua Tree	6	10	>1 meter but <5 meters	5	Good (80)	3	Single Trunk	0	5	Yes	Yes	No	No	Yes	Yes	N/A	Preserve	Within 186-Ft Buffer	—	6744390.459	1975083.148
28	*Yucca brevifolia*	Joshua Tree	17	18	≥5 meters	10	Good (80)	3	Single Trunk	0	0	Yes	Yes	No	No	No	No	N/A	Preserve	Within 186-Ft Buffer	—	6744530.209	1975050.755
28a	*Yucca brevifolia*	Joshua Tree	3	4	>1 meter but <5 meters	1	Good (80)	1	Clone	1	0	Yes	Yes	No	No	No	No	N/A	Preserve	Within 186-Ft Buffer	—	6744055.837	1974791.420
29	*Yucca brevifolia*	Joshua Tree	4	10	>1 meter but <5 meters	3	Good (80)	3	Single Trunk	0	2	Yes	Yes	Yes	No	Yes	Yes	N/A	Preserve	Within 186-Ft Buffer	—	6744123.738	1974572.351
30	*Yucca brevifolia*	Joshua Tree	8	17	≥5 meters	2	Good (80)	1	Clone	2	2	Yes	Yes	Yes	No	Yes	Yes	N/A	Preserve	Within 186-Ft Buffer	—	6744063.733	1974594.980
34	*Yucca brevifolia*	Joshua Tree	6	15	>1 meter but <5 meters	3	Good (80)	3	Clone	6	6	Yes	Yes	No	No	No	No	N/A	Preserve	Within 186-Ft Buffer	Two clones are dead	6745632.421	1974918.512

Notes: D.B.H. = diameter at breast height; ft. = feet.

[1] Relocated trees have been incorporated into the Project's Landscape Plan.

Appendix C
Site Photographs



Photograph 1. View of mature Joshua trees.



Photograph 2. Alternate view of the site's Joshua trees.



Photograph 3. View of steep ravine and Joshua tree.



Photograph 4. Alternate view of steep ravine on the site.



Photograph 5. Overview of the site.



Photograph 6. General view of the site's Joshua trees.



Photograph 7. Overview of the site.



Photograph 8. Alternate view of the site.



Photograph 9. View of mature Joshua tree.



Photograph 10. Overview of the site.

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Appendix D
Joshua Tree Impacts



SOURCE: Bing Maps 2021

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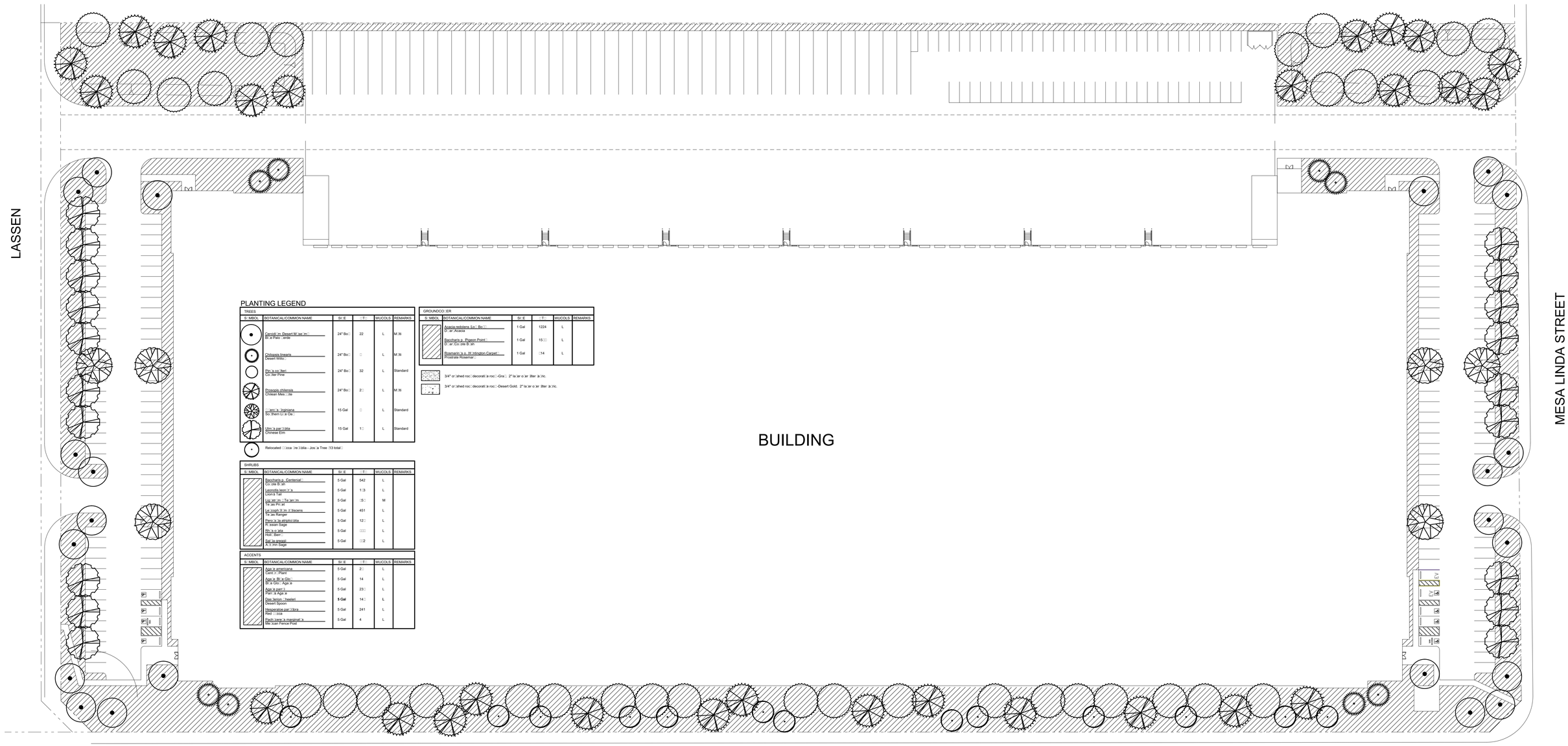
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APPENDIX D

Joshua Tree Impacts

Poplar 18 Project

Appendix E
Landscape Plan



PLANTING LEGEND

TREES

SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	WUCOLS	REMARKS
	Cercidium Desert M.ise /m: Bl.e Palo verde	24" Box	22	L	M:36
	Chilopsis linearis Desert Willo	24" Box	□	L	M:36
	Pinus coulteri Coulter Pine	24" Box	32	L	Standard
	Prosopis chilensis Chilean Mes	24" Box	2□	L	M:36
	Ulmus parvifolia Chinese Elm	15 Gal	□	L	Standard
	Ulmus parvifolia Chinese Elm	15 Gal	1□	L	Standard

Relocated □oca □ie □bila - Joa :a Tree :13 total□

SHRUBS

SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	WUCOLS	REMARKS
	Baccharis p. Centennial□ Co□ote Bush	5 Gal	542	L	
	Leonotis leon□r□s Lion's Tail	5 Gal	1□3	L	
	Lig□stic□m □Te□an□m Te□as Privet	5 Gal	□5□	M	
	Le□cophy□ll□m □Sacora Te□as Ranger	5 Gal	451	L	
	Perry□a angelo□dia Mexican Sage	5 Gal	12□	L	
	Rh□s o□ata Rose□Berry	5 Gal	□□□	L	
	Salvia greggii A□t□mn Sage	5 Gal	□□2	L	

ACCENTS

SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	WUCOLS	REMARKS
	Agave americana Cent□ry Plant	5 Gal	2□	L	
	Agave Blue Glow Blue Glow Agave	5 Gal	14	L	
	Agave parryi Parry's Agave	5 Gal	23□	L	
	Dasylirion □heeleri Desert Spoon	5 Gal	14□	L	
	Hesperaloe parviflora Red □coa	5 Gal	241	L	
	Pedilanthus marginatus Mexican Fence Post	5 Gal	4	L	

GROUNDCOVER

SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	WUCOLS	REMARKS
	Acacia redolens Low□ Bo□□ Bl□ue Acacia	1 Gal	1224	L	
	Baccharis p. Pigeon Point□ Bl□ue Co□ote Bush	1 Gal	15□□	L	
	Rosmarinus o. Mt Hrrington Carpet□ Prostrate Rosemar□	1 Gal	□14	L	

3/4" cr□shed roc□ decorati□e roc□-Gra□□ 2" la□er o□er □ther □a□ric.

3/4" cr□shed roc□ decorati□e roc□-Desert Gold 2" la□er o□er □ther □a□ric.

N

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Poplar 18 Industrial Park

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09.13.22
11.01.22

Hesperia, California

HUNTER LANDSCAPE
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Appendix G

Special-Status Plants Potentially Occurring within the Biological Survey Area

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations / Life Form / Blooming Period / Elevation Range (feet)	Potential to Occur
Asclepias nyctaginifolia	Mojave milkweed	None/None/2B.1	Mojavean desert scrub, Pinyon and juniper woodland/perennial herb/May–June/2,870–5,575	Not expected to occur. Although the BSA is within the species' known elevation range, it contains a minimal amount of suitable desert scrub, and the nearest documented California Natural Diversity Database occurrence is from 1916 and located approximately 5 miles to the south near the summit of the Cajon Pass and could likely be a misidentification (CDFW 2022). Most occurrences are in the Mojave National Preserve (CCH 2022; CDFW 2022). In addition, according to Jepson eFlora (2022), this species occurs on arroyos and dry slopes, which are not present in the BSA.
Astragalus lentiginosus var. *antonius*	San Antonio milk-vetch	None/None/1B.3	Lower montane coniferous forest, upper montane coniferous forest/perennial herb/ Apr–July/4,920–8,530	Not expected to occur. The BSA is outside of the species' known elevation range and there is no suitable vegetation present.
Botrychium ascendens	upswept moonwort	None/None/2B.3	Lower montane coniferous forest, meadows and seeps; mesic/perennial rhizomatous herb/(June)July–Aug/3,655–9,990	Not expected to occur. Although the BSA is within the known elevation range for this species, it does not contain suitable vegetation communities to support this species.
Botrychium crenulatum	scalloped moonwort	None/None/2B.2	Bogs and fens, lower montane coniferous forest, meadows and seeps, marshes and swamps (freshwater), upper montane coniferous forest/perennial rhizomatous herb/ June–Sep/4,160–10,760	Not expected to occur. The BSA is outside of the species' known elevation range and there is no suitable vegetation present to support this species.
Calochortus palmeri var. *palmeri*	Palmer's mariposa lily	None/None/1B.2	Chaparral, lower montane coniferous forest, meadows and	Not expected to occur. The BSA is outside of the species' known elevation range and

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations / Life Form / Blooming Period / Elevation Range (feet)	Potential to Occur
			seeps; mesic/perennial bulbiferous herb/Apr–July/2,325–7,840	there is no suitable vegetation present to support this species.
Castilleja lasiorhyncha	San Bernardino Mountains owl's-clover	None/None/1B.2	Chaparral, meadows and seeps, pebble (pavement) plain, riparian woodland, upper montane coniferous forest; mesic/annual herb (hemiparasitic)/ May–Aug/4,265–7,840	Not expected to occur. The BSA is outside of the species' known elevation range and does not contain suitable vegetation to support this species.
Chorizanthe xanti var. *leucotheca*	white-bracted spineflower	None/None/1B.2	Coastal scrub (alluvial fans), Mojavean desert scrub, pinyon and juniper woodland; sandy or gravelly/annual herb/ Apr–June/984–3,935	Absent. This species was not detected during the May 2022 focused survey. The BSA is within the species' known elevation range and suitable desert scrub is present; however, the nearest documented occurrence is approximately 11.7 miles southwest of the BSA along Highway 138 of the Cajon Pass (CDFW 2022). The BSA is just north of the species' geographical range based on occurrences (CCH 2022).
Claytonia peirsonii ssp. *peirsonii*	Peirson's spring beauty	None/None/1B.2	Subalpine coniferous forest, upper montane coniferous forest; granitic, metamorphic, scree, talus/perennial herb/ (Mar) May–June/4,950–9,005	Not expected to occur. The BSA is outside of the species' known elevation range and there is no suitable vegetation present.
Deinandra mohavensis	Mojave tarplant	None/SE/1B.3	Chaparral, coastal scrub, riparian scrub; mesic/annual herb/(May)June–Oct(Jan)/ 2,095–5,245	Not expected to occur. Although the BSA is within the species' known elevation range, it does not contain suitable vegetation communities, and the nearest documented occurrence is from 1998, approximately 14.5 miles to the north (CDFW 2022).
Diplacus mohavensis	Mojave monkeyflower	None/None/1B.2	Joshua tree woodland, Mojavean desert scrub; sandy or gravelly, often in washes/annual herb/ Apr–June/1,965–3,935	Absent. This species was not detected during the May 2022 focused survey. The BSA is within the species' known elevation range, contains loamy sand soils, and

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations / Life Form / Blooming Period / Elevation Range (feet)	Potential to Occur
				contains suitable desert scrub shrub vegetation. However, the BSA does not contain suitable gravelly banks of desert washes preferred by this species. The nearest documented occurrence is approximately 12.6 miles north of the BSA along the Oro Grande Wash (CDFW 2022). The BSA is south and west of the species' known geographic range based on occurrence data (CCH 2022).
Eremothera boothii ssp. *boothii*	Booth's evening-primrose	None/None/2B.3	Joshua tree woodland, pinyon and juniper woodland/annual herb/Apr–Sep/2,670–7,870	Not expected to occur. The BSA is within the species' known elevation range and there is desert scrub habitat present with scattered Joshua trees. There are several documented occurrences along the Mojave River; however, morphology suggests introgression with *E. boothii* ssp. *intermedia*, and additional fieldwork is needed (CDFW 2022). Furthermore, based on locational records (Jepson Flora Project 2022) and the Consortium of California Herbaria (CCH 2022), the species is restricted to wash habitat (such as the Mojave River), which is absent from the BSA.
Helianthus nuttallii ssp. *parishii*	Los Angeles sunflower	None/None/1A	Marshes and swamps (coastal salt and freshwater)/perennial rhizomatous herb/Aug–Oct/ 33–5,000	Not expected to occur. Although the BSA is within the species' known elevation range, it does not contain suitable vegetation to support this species. Furthermore, the BSA is north and east of the species' known geographic range based on occurrence data (CCH 2022).

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations / Life Form / Blooming Period / Elevation Range (feet)	Potential to Occur
Heuchera parishii	Parish's alumroot	None/None/1B.3	Alpine boulder and rock field, lower montane coniferous forest, subalpine coniferous forest, upper montane coniferous forest; rocky, sometimes carbonate/perennial rhizomatous herb/June–Aug/4,920–12,465	Not expected to occur. The BSA is outside of the species' known elevation range and does not contain suitable vegetation or carbonate soils to support this species.
Lilium parryi	lemon lily	None/None/1B.2	Lower montane coniferous forest, meadows and seeps, riparian forest, upper montane coniferous forest; mesic/perennial bulbiferous herb/July–Aug/4,000–9,005	Not expected to occur. The BSA is outside of the species' known elevation range and does not contain suitable vegetation to support this species.
Linanthus concinnus	San Gabriel linanthus	None/None/1B.2	Chaparral, lower montane coniferous forest, upper montane coniferous forest; rocky, openings/annual herb/ Apr–July/4,985–9,185	Not expected to occur. The BSA is outside of the species' known elevation range and does not contain suitable vegetation to support this species.
Loeflingia squarrosa var. *artemisiarum*	sagebrush loeflingia	None/None/2B.2	Desert dunes, Great Basin scrub, Sonoran desert scrub; sandy/annual herb/ Apr–May/2,295–5,295	Absent. This species was not detected during the May 2022 focused survey. Although the BSA is within the known elevation range for this species and does contain suitable vegetation communities, the nearest documented occurrence is approximately 5 miles northwest (CDFW 2022). In addition, according to Jepson eFlora (2022), this species occurs on sand and gravel of hills, mesas, and dunes, which are not present in the BSA.
Lycium parishii	Parish's desert-thorn	None/None/2B.3	Coastal scrub, Sonoran desert scrub/perennial shrub/ Mar–Apr/443–3,280	Not expected to occur. The BSA is outside of the species' known elevation range.
Monardella australis ssp. *jokerstii*	Jokerst's monardella	None/None/1B.1	Chaparral, lower montane coniferous forest; steep scree or talus slopes between breccia,	Not expected to occur. The BSA is outside of the species' known elevation range and

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations / Life Form / Blooming Period / Elevation Range (feet)	Potential to Occur
			secondary alluvial benches along drainages and washes./perennial rhizomatous herb/ July–Sep/4,425–5,740	does not contain suitable vegetation to support this species.
Opuntia basilaris var. *brachyclada*	short-joint beavertail	None/None/1B.2	Chaparral, Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland/perennial stem succulent/Apr–June(Aug)/ 1,390–5,905	Absent. This species was not detected during the May 2022 focused survey. The BSA is within the species' known elevation range and contains suitable vegetation; however, this conspicuous stem succulent would have been observed if present. No *Opuntia* genera were observed during the May 2022 focused special-status plant survey.
Oreonana vestita	woolly mountain-parsley	None/None/1B.3	Lower montane coniferous forest, subalpine coniferous forest, upper montane coniferous forest; gravel or talus/perennial herb/ Mar–Sep/5,295–11,480	Not expected to occur. The BSA is outside of the species' known elevation range and does not contain suitable vegetation to support this species.
Orobanche valida ssp. *valida*	Rock Creek broomrape	None/None/1B.2	Chaparral, pinyon and juniper woodland; granitic/perennial herb (parasitic)/May–Sep/3,375–6,560	Not expected to occur. Although the BSA is within the species' known elevation range, suitable chaparral and pinyon and juniper woodland are absent, and suitable granitic soils are absent.
Pediomelum castoreum	Beaver Dam breadroot	None/None/1B.2	Joshua tree woodland, Mojavean desert scrub; sandy, washes and roadcuts/perennial herb/ Apr–May/2,000–5,000	Absent. This species was not detected during the May 2022 focused survey. The BSA is within the species' elevation range and contains limited suitable desert scrub vegetation and sandy soils. The nearest documented occurrence is from 1992 and located approximately 10.2 miles southeast (CDFW 2022). The BSA is south and west of the species' known geographic range based on occurrence data (CCH 2022).

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations / Life Form / Blooming Period / Elevation Range (feet)	Potential to Occur
Saltugilia latimeri	Latimer's woodland-gilia	None/None/1B.2	Chaparral, Mojavean desert scrub, pinyon and juniper woodland; rocky or sandy, often granitic, sometimes washes/annual herb/ Mar–June/1,310–6,230	Not expected to occur. Although the BSA is within the species' known elevation range and does contain desert scrub and sandy soils, the BSA lacks rocky/granitic soils to support this species. In addition, the BSA is north of the species' known geographic range based on occurrence data (CCH 2022).
Schoenus nigricans	black bog-rush	None/None/2B.2	Marshes and swamps (often alkaline)/perennial herb/ Aug–Sep/492–6,560	Not expected to occur. Although the BSA is within the species' known elevation range, it does not contain suitable vegetation or alkaline soils to support this species.
Scutellaria bolanderi ssp. *austromontana*	southern mountains skullcap	None/None/1B.2	Chaparral, cismontane woodland, lower montane coniferous forest; mesic/perennial rhizomatous herb/June–Aug/1,390–6,560	Not expected to occur. Although the BSA is within the species' known elevation range, it does not contain suitable vegetation to support this species.
Symphyotrichum defoliatum	San Bernardino aster	None/None/1B.2	Cismontane woodland, coastal scrub, lower montane coniferous forest, meadows and seeps, marshes and swamps, valley and foothill grassland (vernally mesic); near ditches, streams, springs/perennial rhizomatous herb/July–Nov(Dec)/7–6,690	Not expected to occur. Although the BSA is within the species' known elevation range, it does not contain suitable vegetation or vernally mesic grasslands to support this species.
Symphyotrichum greatae	Greata's aster	None/None/1B.3	Broadleafed upland forest, chaparral, cismontane woodland, lower montane coniferous forest, riparian woodland; mesic/perennial rhizomatous herb/June–Oct/984–6,590	Not expected to occur. Although the BSA is within the species' known elevation range, it does not contain suitable vegetation to support this species.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations / Life Form / Blooming Period / Elevation Range (feet)	Potential to Occur
Yucca brevifolia	western Joshua tree	None/SC/None	Great Basin grassland, Great Basin scrub, Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland, Sonoran desert scrub, valley and foothill grassland/perennial leaf succulent/Apr–May/1,310–6,560	Observed. This species was observed within the BSA.

Status Designations
SE: State listed as endangered
SC: State listed candidate species
CRPR (California Rare Plant Rank):
CRPR 1A: Plants presumed extirpated in California and either rare or extinct elsewhere
CRPR 1B: Plants rare, threatened, or endangered in California and elsewhere
CRPR 2B: Plants rare, threatened, or endangered in California, but more common elsewhere
Threat Rank:
1: seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
2: moderately threatened in California (20%–80% of occurrences threatened/moderate degree and immediacy of threat)
3: not very threatened in California (<20% of occurrences threatened/low degree and immediacy of threat or no current threats known)
Notes: CRPR = California Rare Plant Rank; BSA = biological survey area.

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Appendix H

Special-Status Wildlife Potentially Occurring within the Biological Survey Area

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Amphibians				
Anaxyrus californicus	arroyo toad	FE/SSC	Semi-arid areas near washes, sandy riverbanks, riparian areas, palm oasis, Joshua tree, mixed chaparral and sagebrush; stream channels for breeding (typically third order); adjacent stream terraces and uplands for foraging and wintering.	Not expected to occur. The BSA does not have aquatic habitat that could support this species.
Rana draytonii	California red-legged frog	FT/SSC	Lowland streams, wetlands, riparian woodlands, livestock ponds; dense, shrubby or emergent vegetation associated with deep, still or slow-moving water; uses adjacent uplands.	Not expected to occur. The BSA does not have aquatic habitat that could support this species.
Rana muscosa	mountain yellow-legged frog	FE/SE, WL	Lakes, ponds, meadow streams, isolated pools, and open riverbanks; rocky canyons in narrow canyons and in chaparral.	Not expected to occur. The BSA does not have aquatic habitat that could support this species.
Reptiles				
Actinemys marmorata	northwestern pond turtle	None/SSC	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter.	Not expected to occur. The BSA does not have aquatic habitat that could support this species.
Aspidoscelis tigris stejnegeri	San Diegan tiger whiptail	None/SSC	Hot and dry areas with sparse foliage, including chaparral, woodland, and riparian areas.	Not expected to occur. The BSA does not contain chaparral, woodland, or riparian habitat that could support this species.
Charina umbratica	southern rubber boa	None/ST	Montane oak–conifer and mixed-conifer forests, montane chaparral, wet meadows; usually in vicinity of streams or wet meadows.	Not expected to occur. The BSA does not contain suitable habitat that could support this species.
Gopherus agassizii	Mojave desert tortoise	FT/ST	Arid and semi-arid habitats in Mojave and Sonoran Deserts, including sandy or gravelly locations along riverbanks, washes, sandy dunes, canyon	Absent. Desert tortoise was not observed during the 2022 focused protocol survey. The BSA contains sandy soils and limited desert scrub vegetation. However, there are no desert

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
			bottoms, desert oases, rocky hillsides, creosote flats, and hillsides.	washes, dunes, or other topographic features preferred by this species. The BSA is also at the most western boundary of the species' range and surrounded by major roads, including Interstate 15 and U.S. Highway 395. The nearest CNDDB occurrence is from 1990 and located approximately 3.5 miles southeast (CDFW 2022).
Phrynosoma blainvillii	Blainville's horned lizard	None/SSC	Open areas of sandy soil in valleys, foothills, and semi-arid mountains, including coastal scrub, chaparral, valley–foothill hardwood, conifer, riparian, pine–cypress, juniper, and annual grassland habitats.	Not expected to occur. Although the BSA area contains sandy soils, there is no suitable vegetation that could support this species. The nearest CNDDB occurrence is from 2008 and located approximately 4 miles southeast (CDFW 2022).
Thamnophis hammondii	two-striped gartersnake	None/SSC	Streams, creeks, pools, streams with rocky beds, ponds, lakes, vernal pools.	Not expected to occur. The BSA does not have aquatic habitat that could support this species.
Birds				
Accipiter cooperii (nesting)	Cooper's hawk	None/WL	Nests and forages in dense stands of live oak, riparian woodlands, or other woodland habitats often near water.	Not expected to occur. The BSA does not contain suitable vegetation that could support this species.
Agelaius tricolor (nesting colony)	tricolored blackbird	BCC/SSC, ST	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberrry; forages in grasslands, woodland, and agriculture.	Not expected to occur. The BSA does not contain suitable vegetation or aquatic habitat that could support this species.
Aquila chrysaetos (nesting and wintering)	golden eagle	BCC/FP, WL	Nests and winters in hilly, open/semi-open areas, including shrublands, grasslands, pastures, riparian areas, mountainous canyon land, open desert rimrock terrain; nests in large trees and on cliffs in open areas and forages in open habitats.	Not expected to nest, low potential to forage. The BSA contains semi-open areas with shrub and grassland vegetation. However, there are no large trees or cliffs for this species to use as nesting sites. There are no CNDDB occurrences within 5 miles of the BSA (CDFW 2022).

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Artemisiospiza belli belli	Bell's sage sparrow	BCC/WL	Nests and forages in coastal scrub and dry chaparral; typically in large, unfragmented patches dominated by chamise; nests in more dense patches but uses more open habitat in winter.	Not expected to occur. The BSA does not contain suitable vegetation that could support this species.
*Asio otus (*nesting*)*	long-eared owl	None/SSC	Nests in riparian habitat, live oak thickets, other dense stands of trees, edges of coniferous forest; forages in nearby open habitats.	Not expected to occur. The BSA does not contain suitable vegetation that could support this species.
*Athene cunicularia (*burrow sites and some wintering sites*)*	burrowing owl	BCC/SSC	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows.	Moderate potential to occur. The BSA contains flat, open scrub habitat that could support this species. Although an official burrow survey was not conducted, one potentially suitable burrow was noted during the focused protocol desert tortoise survey. The nearest CNDDB occurrence is from 1989 and located approximately 0.75 miles southwest (CDFW 2022). Several more recent occurrences have been documented within 5 miles north of the BSA.
*Buteo swainsoni (*nesting*)*	Swainson's hawk	BCC/ST	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture.	Not expected to occur. The BSA does not contain suitable nesting habitat to support this species and lacks nearby agricultural areas for foraging. It may occur as a transient in the area during migration.
*Coccyzus americanus occidentalis (*nesting*)*	western yellow-billed cuckoo	FT, BCC/SE	Nests in dense, wide riparian woodlands and forest with well-developed understories.	Not expected to occur. The BSA does not contain suitable riparian vegetation that could support this species.
*Empidonax traillii extimus (*nesting*)*	southwestern willow flycatcher	FE/SE	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration.	Not expected to occur. The BSA does not contain suitable riparian vegetation that could support this species.
Gymnogyps californianus	California condor	FE/FP, SE	Nests in rock formations, deep caves, and occasionally in cavities in giant	Not expected to occur. The BSA does not contain suitable habitat to support this

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
			sequoia trees (*Sequoiadendron giganteus*); forages in relatively open habitats where large animal carcasses can be detected.	species. There are no CNDDB occurrences within a 10-mile radius of the BSA (CDFW 2022).
Haliaeetus leucocephalus (nesting and wintering)	bald eagle	FDL, BCC/FP, SE	Nests in forested areas adjacent to large bodies of water, including seacoasts, rivers, swamps, large lakes; winters near large bodies of water in lowlands and mountains.	Not expected to occur. The BSA does not contain suitable vegetation, nor is it adjacent to large bodies of water that could support this species. The nearest CNDDB occurrence is from 1992 and located approximately 8 miles southeast (CDFW 2022).
Icteria virens (nesting)	yellow-breasted chat	None/SSC	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush.	Not expected to occur. The BSA does not contain suitable riparian vegetation that could support this species.
Lanius ludovicianus (nesting)	loggerhead shrike	BCC/SSC	Nests and forages in open habitats with scattered shrubs, trees, or other perches.	Moderate potential to occur. The BSA contains open habitat that contains tall shrubs (e.g., Joshua tree, California juniper) that can be used for perching and nesting. The nearest CNDDB occurrence is from 2007 and located approximately 3 miles north (CDFW 2022).
Pandion haliaetus (nesting)	osprey	None/WL	Large waters (lakes, reservoirs, rivers) supporting fish; usually near forest habitats, but widely observed along the coast.	Not expected to occur. The BSA does not contain suitable vegetation or aquatic habitat that could support this species.
Piranga rubra (nesting)	summer tanager	None/SSC	Nests and forages in mature desert riparian habitats dominated by cottonwoods and willows.	Not expected to occur. The BSA does not contain suitable riparian vegetation that could support this species.
Setophaga petechia (nesting)	yellow warbler	BCC/SSC	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats.	Not expected to occur. The BSA does not contain suitable vegetation that could support this species.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Toxostoma lecontei	LeConte's thrasher	BCC/SSC	Nests and forages in desert wash, desert scrub, alkali desert scrub, desert succulent, and Joshua tree habitats; nests in spiny shrubs or cactus.	Low potential to occur. The BSA contains limited desert scrub and Joshua tree habitat that could support this species. The BSA does contain Mormon tea that could support nesting for this species. The nearest CNDDB occurrence is from 1991 and located approximately 9.5 miles east (CDFW 2022).
Vireo bellii pusillus (nesting)	least Bell's vireo	FE/SE	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season.	Not expected to occur. The BSA does not contain suitable riparian vegetation that could support this species.
Vireo vicinior (nesting)	gray vireo	BCC/SSC	Nests and forages in pinyon–juniper woodland, oak, and chamise and redshank chaparral.	Not expected to occur. The BSA does not contain suitable vegetation that could support this species.
Fishes				
Rhinichthys osculus ssp. 3	Santa Ana speckled dace	None/SSC	Headwaters of the Santa Ana and San Gabriel Rivers; may be extirpated from the Los Angeles River system.	Not expected to occur. The BSA does not have aquatic habitat that could support this species.
Siphateles bicolor mohavensis	Mohave tui chub	FE/FP, SE	Lacustrine ponds or pools; 4 feet minimum water depth; freshwater flow; mineralized and alkaline environment; habitat for aquatic invertebrate prey and egg attachment substrate; Ruppia maritima preferred for egg attachment and thermal refuge in summer months.	Not expected to occur. The BSA does not have aquatic habitat that could support this species.
Mammals				
Antrozous pallidus	pallid bat	None/SSC	Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for roosting, but also roosts in human-made structures and trees.	Not expected to roost, low potential to forage. The BSA contains grassland and shrubland vegetation that could support foraging efforts of this species. CNDDB occurrences from 2016 are 9 miles east of the BSA (CDFW 2022).

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Chaetodipus fallax pallidus	pallid San Diego pocket mouse	None/SSC	Desert wash, desert scrub, desert succulent scrub, and pinyon–juniper woodland.	Not expected to occur. The BSA does not contain vegetation that could support this species. There are historic CNDDB occurrences from 1921 located 10 miles northeast of the BSA (CDFW 2022).
Corynorhinus townsendii	Townsend's big-eared bat	None/SSC	Mesic habitats characterized by coniferous and deciduous forests and riparian habitat, but also xeric areas; roosts in limestone caves and lava tubes, human-made structures, and tunnels.	Not expected to roost or forage. The BSA does not contain suitable vegetation or mesic habitat that could support this species.
Eumops perotis californicus	western mastiff bat	None/SSC	Chaparral, coastal and desert scrub, coniferous and deciduous forest and woodland; roosts in crevices in rocky canyons and cliffs where the canyon or cliff is vertical or nearly vertical, trees, and tunnels.	Not expected to roost or forage. The BSA does not contain suitable vegetation, cliffs, or tall trees that could support this species.
Glaucomys oregonensis californicus	San Bernardino flying squirrel	None/SSC	Coniferous and deciduous forests, including riparian forests.	Not expected to occur. The BSA does not contain suitable vegetation that could support this species.
Microtus californicus mohavensis	Mojave river vole	None/SSC	Wet, weedy, herbaceous areas along the Mojave River.	Not expected to occur. The BSA does not contain suitable vegetation that could support this species. The BSA is also not located along the Mojave River; the Mojave River is approximately 9 miles east of the BSA.
Ovis canadensis nelsoni	Nelson's bighorn sheep	None/FP	Steep slopes and cliffs, rough and rocky topography, sparse vegetation; also canyons, washes, and alluvial fans.	Not expected to occur. The BSA does not contain suitable topography or vegetation that could support this species.
Spermophilus (Xerospermophilus) mohavensis	Mohave ground squirrel	None/ST	Desert scrub habitats, including those dominated by creosote bush and burrobush, desert sink scrub, and desert saltbush scrub.	Absent. Mohave ground squirrel was not observed during the 2022 focused protocol survey. The BSA contains desert scrub habitat with some creosote bush that could support this species. However, the site does show evidence of previous disturbance and is in

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
				close proximity to major roads. The nearest CNDDB occurrence is from 2005 and located approximately 2.5 miles northwest (CDFW 2022).
Taxidea taxus	American badger	None/SSC	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils.	Not expected to occur. The BSA does not contain suitable vegetation to support this species.
Vulpes macrotis arsipus	desert kit fox	None/None[1]	Sparse vegetated scrub habitats such as creosote scrub communities that support abundant rodent populations (Center for Biological Diversity 2013).	Not expected to occur. The BSA does contain sparse vegetated scrub habitats such as rubber rabbitbrush scrub; however, areas surrounding the BSA are conducive to stray dogs and further limit desert kit fox habitat potential in the area.
Invertebrates				
Danaus plexippus pop. 1	monarch	FC/None	Wind-protected tree groves with nectar sources and nearby water sources.	Not expected to occur. The BSA does not include suitable tree groves or nearby water sources to support this species.
Euphydryas editha quino	Quino checkerspot butterfly	FE/None	Annual forblands, grassland, open coastal scrub and chaparral; often soils with cryptogamic crusts and fine-textured clay; host plants include *Plantago erecta*, *Antirrhinum coulterianum*, and *Plantago patagonica* (Silverado Occurrence Complex).	Not expected to occur. None of the host plants for this species were observed during the 2021 and 2022 biological surveys. Additionally, the BSA does not contain clay soils.

Status Designations
Federal
FC: Federal candidate for listing
FDL: Federally delisted
FE: Federally listed as endangered
FT: Federally listed as threatened
BCC: U.S. Fish and Wildlife Service Bird of Conservation Concern
State
SSC: California Species of Special Concern
FP: California Fully Protected species
WL: California Watch List species

SE: State listed as endangered
ST: State listed as threatened

Notes: BSA = biological study area; CNDDB = California Natural Diversity Database.

[1] Section 4000 of the California Fish and Game Code defines "kit fox" as a fur-bearing animal.

References

CDFW (California Department of Fish and Wildlife). 2022. RareFind 5, Version 5.2.14. California Natural Diversity Database. Sacramento, California: CDFW, Biogeographic Data Branch. Accessed February 2022. https://map.dfg.ca.gov/rarefind/view/RareFind.aspx.

Center for Biological Diversity. 2013. *Before the California Fish and Game Commission, A Petition to List the Desert Kit Fox* (Vulpes macrotis arsipus) *as Threatened under the California Endangered Species Act*. March 10, 2013. https://www.biologicaldiversity.org/species/mammals/desert_kit_fox/pdfs/Desert-kit-fox-CESA-petition-3-10-13.pdf.

Appendix I
Burrowing Owl Relocation Plan

DRAFT

Burrowing Owl Relocation Plan

Poplar 18 Project

AUGUST 2022

Prepared for:

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
CDFW	California Department of Fish and Wildlife
MM	Mitigation Measure
Project	Poplar 18 Project

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1 Purpose and Objectives

The following Burrowing Owl Relocation Plan (Relocation Plan) describes the burrowing owl (*Athene cunicularia*) monitoring and reporting requirements during construction of the Poplar 18 Project (Project) as a recommended in the Biological Resources Technical Report prepared for the Project by the City of Hesperia Planning Department and Dudek (Dudek 2022). This Relocation Plan was prepared in accordance with Mitigation Measure (MM) BIO-3 included in the Biological Resources Technical Report. The full text of MM-BIO-3 is provided in Section 1.1 for ease of reference.

This Relocation Plan is intended to identify when passive displacement of burrowing owl will be used, the methods that will be implemented to perform passive displacement, and the monitoring and reporting that will be required if passive displacement is performed. More specifically, this Relocation Plan includes descriptions of the following requirements for passive displacement procedures: (1) methods to confirm a burrow is active, (2) scoping methods that would be used to avoid impacts, (3) methods to be used to determine vacancy and excavation timing, (4) methods for burrow excavation, (5) removal of other potential owl burrow surrogates or refugia, (6) reporting methods of the excavation and closure of burrows, (7) monitoring to evaluate success, and (8) reporting methods of long-term burrowing owl deterrence of the impacted site.

1.1 Mitigation Measure BIO-3

MM-BIO-3 Pre-Construction Surveys for Burrowing Owl and Avoidance. One pre-construction burrowing owl survey shall be completed no more than 14 days before initiation of site preparation or grading activities, and a second survey shall be completed within 24 hours of the start of site preparation or grading activities. If ground-disturbing activities are delayed or suspended for more than 30 days after the pre-construction surveys, the Project site shall be resurveyed. Surveys for burrowing owl shall be conducted in accordance with protocols established in the 2012 (or current version) Staff Report on Burrowing Owl Mitigation prepared by the California Department of Fish and Wildlife (CDFW).

If burrowing owls are detected, a Burrowing Owl Relocation Plan shall be implemented in consultation with CDFW. As required by the Burrowing Owl Relocation Plan, disturbance to burrows shall be avoided during the nesting season (February 1 through August 31). Buffers shall be established around occupied burrows in accordance with guidance provided in the Staff Report on Burrowing Owl Mitigation (current version). No Project activities shall be allowed to encroach into established buffers without the consent of a monitoring biologist. The buffer shall remain in place until it is determined that occupied burrows have been vacated or the nesting season has completed.

Outside of the nesting season, passive owl relocation techniques approved by CDFW shall be implemented. Owls shall be excluded from burrows in the immediate Project area and within a buffer zone by installing one-way doors in burrow entrances. These doors shall be placed at least 48 hours prior to ground-disturbing activities. The Project area shall be monitored daily for 1 week to confirm owl departure from burrows prior to any ground-disturbing activities. Compensatory mitigation for permanent loss of owl habitat shall be provided following the guidance in the Staff Report on Burrowing Owl Mitigation (current version).

Where possible, burrows shall be excavated using hand tools and refilled to prevent reoccupation. Sections of flexible plastic pipe shall be inserted into the tunnels during excavation to maintain an escape route for any wildlife inside the burrow.

1.2 Tiered Protection Approach

The following protection measures may be implemented to avoid and minimize impacts to burrowing owl:

1. Avoidance – During the burrowing owl breeding season (i.e., nesting season; February 1 through August 31),[1] active burrows will be avoided by establishing setback distances around active burrows. A monitoring program will be implemented (see Section 3.2, Setback Distances) to determine the effectiveness of the buffer distances and help inform any adaptive management strategies.
2. Shelter in Place – If the established buffer is not effective, the buffer will be increased where possible to a point where Project activities cease to cause disturbance. Sheltering with sound and visual barriers made of hay bales or other materials may be used as appropriate to provide necessary protection from disturbance when an established avoidance buffer is determined not to be effective or a buffer distance must be reduced because avoiding construction in the area is not feasible. If a qualified biologist determines that the use of barriers will not cause disturbance to the owl(s) and the setup of the barriers is far enough away so the setup or the presence of the barrier does not cause disruption to the owl(s), this will be the primary protective measure that will be used because it is the ideal strategy to minimize disturbance and keep existing burrows intact.
3. Passive Displacement – The exclusion of burrowing owls from occupied burrows within the areas of disturbance using one-way doors will be used during the non-breeding season (September 1 through January 31) when shelter-in-place is not feasible. Passive displacement will only be implemented where the owls or their burrows are in physical danger by construction.

Further details on implementation of the first two approaches are provided in Chapter 3, Avoidance and Minimization Measures, of this Relocation Plan. Details on the passive displacement approach are provided in Chapter 4, Passive Displacement, of this Relocation Plan. Although the focus of this Relocation Plan is on the passive displacement approach, the intent of this tiered approach is to create an adaptive management process for protecting burrowing owls by allowing the flexibility to make improvements based on site conditions at the time of construction. The adaptive management strategy will allow for adjustments to mitigation and monitoring techniques, provided the results are beneficial to the species. In addition, this Relocation Plan should be adjusted to include any improved techniques or methods that may become available during its implementation.

[1] The Staff Report on Burrowing Owl Mitigation (CDFG 2012) defines breeding (nesting) season to include pairing, egg-laying and incubation, and nestling and fledgling stages from February 1 through August 31. However, breeding activities may vary with latitude and climatic conditions.

2 Introduction

2.1 Project Overview

The approximately 22.9-acre Project site is located in the western portion of the City of Hesperia within San Bernardino County (Figure 1, Regional Map; Figure 2, Project Vicinity). The Project site is located in the southwest quadrant of Interstate 15 and Main Street. More specifically, the site is south of Main Street, west of Cataba Road and Mesa Linda Street, north of Interstate 15 and Poplar Street, and east of U.S. Highway 395 and Lassen Road. The Project site is currently vacant land that is surrounded by varying levels of development and disturbance.

The Project would involve construction of a 414,700-square-foot industrial/warehouse building and associated improvements. The Project would also include associated improvements, such as loading docks, tractor-trailer stalls, passenger vehicle parking spaces, stormwater detention basins, and landscape areas. Additionally, the Project would include improvements along Mesa Linda Street, Lassen Street, and Poplar Street, including frontage landscaping and pedestrian improvements. A variety of trees, shrubs, plants, and land covers would be planted within the Project frontage's landscape setback area and within the landscape areas found around the proposed industrial/warehouse building and throughout the Project site.

2.2 Burrowing Owl Surveys and Mitigation

Biological resource surveys of the Project site and surrounding area were conducted in November 2021. During these surveys, burrowing owl was not observed on the Project site or in the Off-Site Improvement Area; however, suitable habitat exists on site, and the species could eventually occupy the Project site or Off-Site Improvement Area prior to construction. Pursuant to the California Fish and Game Code and the Migratory Bird Treaty Act, a pre- construction survey in compliance with the Staff Report on Burrowing Owl Mitigation, State of California Natural Resource Agency, Department of Fish and Game (2012 Staff Report) (CDFG 2012) would be necessary to reevaluate the locations of potential burrowing owl burrows located within the Project site so take of owls or active owl nests can be avoided. Consistent with MM-BIO-3, a pre-construction survey for burrowing owl will be conducted in areas supporting potentially suitable habitat and within 14 days prior to the start of construction activities, and a second survey will be completed within 24 hours of the start of site preparation or grading activities.

The Project would result in the loss of 16 acres of suitable habitat for burrowing owl. As required by MM-BIO-3, mitigation for direct impacts to western Joshua trees (*Yucca brevifolia*) will be fulfilled through conservation of western Joshua tree through purchase of credits at a California Department of Fish and Wildlife (CDFW) approved mitigation bank or other conservation mechanism approved by the City of Hesperia and CDFW. Conservation efforts for western Joshua tree associated with the Western Joshua Tree Mitigation Fund will focus on the conservation of large, interconnected Joshua tree woodlands on lands where edge effects are limited, versus lands in urban settings that are subject to habitat fragmentation and edge effects, such as the Project site. Mitigation for impacts to western Joshua tree will also mitigate for impacts to loss of suitable habitat for burrowing owl.

If passive displacement of burrowing owl is implemented, at least two artificial or natural surrogate burrows will be built, enhanced, or identified for every entrance to the burrow that will be collapsed (see Chapter 4). If artificial burrows need to be installed, they will be established according to the recommendations in the 2012 Staff Report prior to excluding burrowing owls.

2.3 Qualified Biologist

In accordance with the 2012 Staff Report (CDFG 2012), a qualified biologist meets the following minimum qualifications:

4. Familiarity with the species and its local ecology
5. Experience conducting habitat assessments and non-breeding and breeding season surveys, or experience with these surveys conducted under the direction of an experienced surveyor
6. Familiarity with the appropriate state and federal statuses related to burrowing owls, scientific research, and conservation
7. Experience with analyzing impacts of development on burrowing owls and their habitat.

In accordance with the 2012 Staff Report, a qualified biologist will perform the burrowing owl surveys, as outlined in MM-BIO-3. Occupied burrows will not be disturbed during the nesting season. Occupied burrows will not be disturbed during the non-nesting season until a qualified biologist verifies that either nesting has not begun, or juveniles from the occupied burrows are foraging independently and are capable of independent survival.

3 Avoidance and Minimization Measures

3.1 Pre-Construction Burrowing Owl Surveys

In accordance with MM-BIO-3, a qualified biologist (see Section 2.3) will conduct surveys of both permanent and temporary impact areas, as well as within a 150-meter buffer, no more than 14 days prior to the start of the construction activities and again within 24 hours of the start of site preparation or grading. The surveys will identify active wintering or breeding burrowing owls within these areas.

The survey methods are detailed in the 2012 Staff Report and will consist of walking parallel transects 7 to 20 meters apart over the entire survey area and noting all burrowing owls present and any potential burrows with burrowing owl sign. The results of the surveys will be submitted to CDFW.

If burrowing owls are detected during pre-construction surveys, the qualified biologist or monitoring biologist will coordinate with the contractor to avoid and minimize impacts to burrowing owl by implementing the measures described below.

3.2 Setback Distances

Based on the results of the pre-construction surveys, levels of construction disturbance, stage of nesting/breeding season, and applicable mitigation measures outlined in the 2012 Staff Report, setback distances will be determined and implemented surrounding the occupied burrowing owl burrows. Ground-disturbing activities will be restricted within these distances to avoid and minimize potential impacts to burrowing owl.

To determine an appropriate and effective setback distance, the site-specific determination methods described in the 2012 Staff Report will be used to decide if the suggested buffer distances are appropriate. The setback distances will also be determined based on any shelter-in-place actions taken (see Section 3.3). The qualified biologist will use the following information to determine the appropriate buffer distances:

- Time of year, activity of the burrow, and the level of disturbance that will occur (summarized in the 2012 Staff Report and Table 1)
- Topography
- The individual burrowing owl's sensitivities and ability to habituate to stimuli
- Shelter-in-place and barrier activities occurring (see Section 3.3)
- Existing vegetation
- Near-by land use and tolerance level of the burrowing owl to surrounding activities
- The level of disturbance associated with specific work activities
- Biological monitor presence

Table 1. Burrowing Owl Burrow Buffers

Resource	Time of Year	Level of Disturbance		
		Low	Medium	High
Nesting sites	April 1–August 15	656 feet	1,640 feet	1,640 feet
Nesting sites	August 16–October 15	656 feet	656 feet	1,640 feet
Any occupied burrow	October 16–March 31	164 feet	328 feet	1,640 feet

Source: CDFG 2012

A monitoring program will be implemented when any setback distance is applied to active burrows to ensure that the distance is an effective buffer. Effective buffers minimize direct impacts by providing space between the bird and the construction activity. In addition, effective buffers minimize indirect impacts by decreasing sound and visual disturbance to the burrowing owl. A monitoring biologist will be present during all initial activities adjacent to burrowing owl buffers to monitor the birds' behavior. In any case where a burrowing owl shows signs of stress or disturbance due to construction activities, all activities in the immediate vicinity will be halted and the buffer distance and construction activities will be reevaluated. In accordance with MM-BIO-3, no Project activities will be allowed to encroach into established buffers without the consent of a monitoring biologist. The buffer will remain in place until it is determined that any nesting activity has ended and/or occupied burrows have been vacated.

3.3 Shelter in Place

A shelter-in-place strategy may be implemented to minimize potential impacts to burrowing owls where appropriate and feasible. This strategy involves screening burrows by installing hay bales, plywood, and/or other fencing material to create a visual and auditory barrier between construction activities and the burrow. Biological monitors will need to determine if a specific site, especially the site's topography, is appropriate for the use of these techniques, and whether these techniques will be effective at reducing disturbance. Where appropriate, setback buffers can be reduced by screening burrows as a way to reduce indirect impacts.

During the breeding season, hay bales can be stacked three bales high and 50 feet wide. During the non-breeding season, hay bales can be stacked two bales high and 50 feet wide. All hay bales used on the Project site will be certified as weed-free. Perches near the burrow will remain within the sheltered area of the bales; the bales will not be closer than 2 or 3 feet from the occupied burrow and will be placed as far from the active burrow as possible, outside of the nearest work area. During and following installation of the shelter, biological monitors will be present for all ground-disturbing activities within the area between the 2012 Staff Report guideline buffer (Table 1) and the edge of the reduced buffer.

Biological monitors will be present to evaluate and make adjustments to the buffer and/or shelter to ensure impacts to burrowing owls are minimized and the birds are not showing signs of stress or disturbance. When determining an appropriate setback distance, the qualified biologist will take into consideration any data collected on the individual sensitivities of the burrowing owls present at the Project site. This data will be used as a baseline to compare the behavior of burrowing owls within no-disturbance buffers that are smaller than the 2012 Staff Report guideline distances. Biological monitors will have the authority to stop construction or sheltering activities that are disturbing sensitive species and make changes to the shelters and buffers in accordance with these guidelines to increase protection of burrowing owl.

Documentation of the installation of a shelter will include where and when the shelter was installed, how long it will be required, anticipated level of construction activity, pictures of the shelter, pictures of installation, a description of the installation, and a description of site conditions. Site conditions to be included are surrounding vegetation, topography of the area, animals present at the burrow, and line-of-sight conditions between the burrow and construction activities. This information and a status of the shelters in place will be described in the monthly reports (Section 5.2, Reporting Requirements).

3.4 Excavation of Inactive Burrows

Excavation of inactive burrows, confirmed inactive based on wildlife camera monitoring, will help deter burrowing owls from occupying construction areas. Pre-construction surveys (described above) will be conducted within the Project site to determine if burrows are actively being used. If burrows are suitably sized, game cameras will be installed at the entrance for 3 days to confirm lack of presence. Inactive burrows will be excavated and refilled by a qualified biologist. To prevent injury to wildlife that might be inside the burrow, all excavation of inactive burrows will be performed using hand tools, escape routes will be installed (flexible plastic pipe), and a mirror or camera will be used to scope during the excavation of any burrow that was previously classified as active or potentially active. The excavation of inactive burrows will occur prior to clearing or grading activities.

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4 Passive Displacement

If an active burrow is identified in an area where there is potential for it or the tunnel structure to be destroyed or irreversibly affected by construction, and the owl would be in danger and shelter in place, setback distances, and avoidance will not be effective or possible, passive displacement will be implemented. Passive displacement will only occur outside of the breeding season (September 1 through January 31) after a qualified biologist verifies that juveniles from the burrow are foraging independently and capable of independent survival, or the owls have not begun nesting. If exclusion will occur immediately (within 1 week) after the end of the breeding season (August 31), daily monitoring will be conducted for 1 week to confirm that young have fledged prior to exclusion. Similar to the excavation of inactive burrows, a mirror or camera will be used to scope all previously active burrows to ensure burrows are not occupied by eggs or young.

Burrowing owls will be excluded from currently occupied burrows by installation of a one-way door in the original burrow and in all legally accessible surrounding potentially active burrows within 160 feet, which will remain in place at least 48 hours before excavation. The one-way doors will be monitored for exiting or trapped animals. Once a qualified biologist can determine by site surveillance that the old burrows are vacant, with no sign of fresh use by wildlife, including tracks, scat, or recent excavation, the burrows will be excavated according to the guidelines described above. Each burrow will be refilled with dirt and/or rocks to prevent reoccupation of the burrows.

Prior to burrow collapse, the qualified biologist will be required to obtain confirmation that the burrows are empty of wildlife, that the installation of one-way doors occurred 48 hours in advance of burrow excavation, and that the removal of other potential burrow surrogates or refugia occurred on the Project site, and confirm the location of artificial or natural relocation burrows. Prior to passive displacement being implemented, at least two artificial or natural surrogate burrows will be built, enhanced, or identified for every entrance that will be collapsed. Ideally, exclusion and burrow closure would be employed only where there are adjacent natural burrows and non-impacted, sufficient habitat for burrowing owls to occupy with permanent protection mechanisms in place. However, if artificial burrows need to be installed, they will be established according to the recommendations in the 2012 Staff Report and can be either aboveground or belowground. Additional details on each type of artificial burrow are provided below.

4.1 Belowground Artificial Burrows

A backhoe or similar equipment will be used to excavate a trench for the entrance and exit openings, access-way, and nesting chamber. The bottom of the nest box will be 4 feet below the ground surface. Hardware cloth or cement board will be installed below the nest box to prevent digging predator access. An access tunnel will extend for a minimum of 12 feet from the nest and will be made of 4-inch flexible perforated irrigation hose to prevent flooding. The first 6 feet of hose near the nest box will be level with the box, and the last 6 feet will angle up at least 30 degrees to the ground level. A rigid 6-inch pipe will be used as a protective sleeve over the irrigation hose to prevent predation. Each opening will also have an apron of dirt spread by hand to mimic the original burrow. White-painted stakes will be placed around the burrow openings to mark its location and attract burrowing owls. These stakes will be visible from within the opening and not be placed behind the opening, as predators may perch on these.

4.2 Aboveground Artificial Burrows

The artificial nest box and entrance tubes will be placed flat on the ground surface when constructing an aboveground burrow. Soil will be applied, first by hand to stabilize the structure followed by larger equipment, to build a 5-foot-high mound on top of the nest. Perches consisting of wooden T-stakes can be placed near the burrow entrance for both aboveground and belowground burrows to potentially reduce the flushing distance of a disturbed owl. Both types of artificial burrows will also include rock armoring or concrete block armoring to protect tunnels and nest chambers from predators, and will not impact existing burrows.

5 Monitoring and Reporting

5.1 Relocation Monitoring

In accordance with the 2012 Staff Report, monitoring will occur before, during, and after exclusion of burrowing owls to ensure take is avoided. In accordance with MM-BIO-3, if exclusion occurs, a qualified biologist will conduct daily monitoring for 1 week to confirm owls have vacated the burrows. Biologists will examine the collapsed burrow and survey for owl-related impacts and new burrows in the surrounding area. If the artificial burrows are found to be unusable during any monitoring visit, repairs and maintenance to restore function to the burrow or the installation of a new burrow at the same location will be required. The results of these monitoring efforts and an evaluation of the success of the relocation efforts will be included in the monthly compliance reports, along with any needed remedial measures to avoid take.

5.2 Reporting Requirements

Pre-Construction Clearance Survey Reports

A report will be submitted to CDFW documenting the results of the pre-construction surveys. The report will describe the methods and results of the clearance surveys, and will serve as notification as to whether owl relocation is necessary.

Monthly Reports

If avoidance or passive relocation is implemented, monthly reports will be prepared for submittal to CDFW. The reports will summarize the construction activities that occurred with the potential to impact burrowing owl, any injuries or fatalities of burrowing owl, the effectiveness and practicality of the avoidance and minimization measures implemented, and recommendations for modifying the protection measures. If passive relocation of burrowing owls is performed, the monthly reports will also include the following: the total number and locations of burrows collapsed, a map of those locations, the total number and locations of artificial or natural surrogate burrows installed or enhanced (including a map), photographs of the excavation and closure of the burrows, photographs of artificial or natural surrogate burrows, the number and activity of the owls observed leaving the burrows to be excavated, the methods used to continually make the Project site inhospitable to burrowing owls and fossorial mammals, and the monitoring results of passive relocation and mitigation areas.

Final Compliance Report

A final compliance report will be submitted to CDFW summarizing the effectiveness of the mitigation measures and the level of burrowing owl take associated with the Project.

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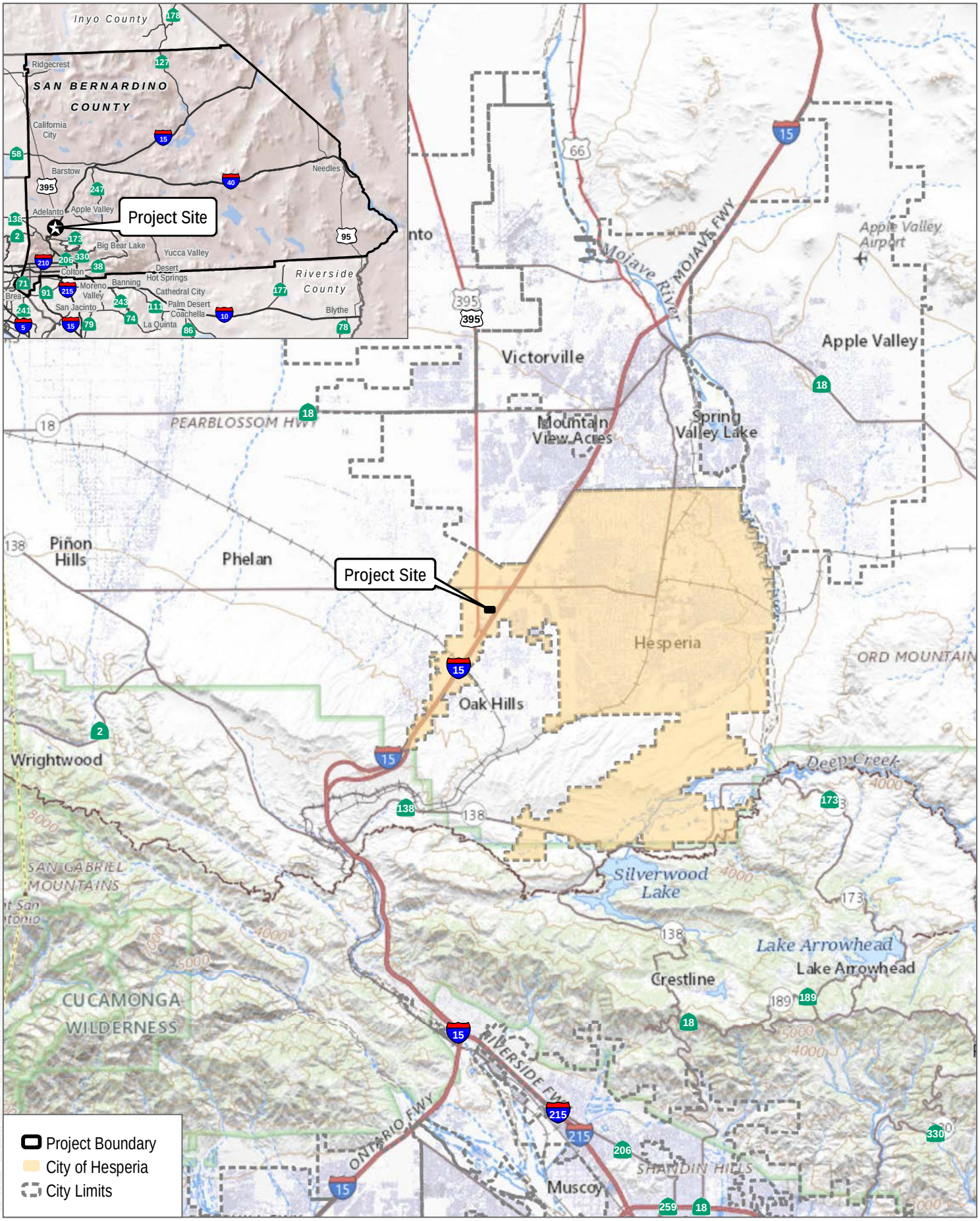
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SOURCE: USGS Topo Maps 2022; County of San Bernadino 2022

DUDEK

0 10,500 21,000 Feet

FIGURE 1

Regional Map

Burrowing Owl Relocation Plan for the Poplar 18 Project

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SOURCE: Bing Maps; County of San Bernadino 2017

DUDEK

0 500 1,000 Feet

FIGURE 2

Project Vicinity

Burrowing Owl Relocation Plan for the Poplar 18 Project

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Appendix D

Cultural Resources Assessment Report

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August 5, 2022 13727

Mr. Mark S. Milakovich
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Partner, Covington Group, Inc.
14180 Dallas Parkway, Suite 730
Dallas, Texas 75254

Subject: Draft Cultural Resources Assessment for the Poplar 18 Project, City of Hesperia, San Bernardino County, California

Dear Mr. Mark S. Milakovich:

This letter report documents the cultural resources assessment conducted by Dudek for the Poplar 18 Project (Project), located within the City of Hesperia, San Bernardino County, California. The present study documents the results of a California Historical Resources Information System (CHRIS) records search conducted at the South Central Coastal Information Center (SCCIC), review historical maps and aerial photographs, review of a geotechnical report prepared for the Project site, an archaeological pedestrian survey, an analysis of the sensitivity of the Project site to contain cultural resources, as well as management recommendations. The City of Hesperia (City) is the lead agency responsible for compliance with California Environmental Quality Act (CEQA).

Project Location

The approximately 17.87-acre Project site is located in the western part of the City, which is situated in the Victor Valley/High Desert region in western San Bernardino County. Specifically, the Project site falls on public land survey system Section 22 of Township 4 North, Range 5 West on the *Baldy Mesa*, CA 7.5-minute United States Geological Survey (USGS) Quadrangle (Appendix A: Figure 1, Project Location). The Project site is located south of Main Street, west of Cataba Road and Mesa Linda Street, north of Interstate 15 (I-15) and Poplar Street, and east of U.S. Route 395 (US 395) and Lassen Road (Appendix A: Figure 2, Project Site). The Project site is located on two parcels consisting of Assessor's Parcel Numbers (APNs) 3064-581-04-0000 and 3064-581-05-0000.

Project Description

The Project would include construction of two industrial/warehouse building and associated improvements on 17.87 acres of vacant land. The Project would provide 414,700 square feet of industrial/warehouse space and include associated improvements, such as loading docks, tractor-trailer stalls, passenger vehicle parking spaces, stormwater detention basins, and landscape area. The Project would include improvements along Mesa Linda Street, Lassen Street, and Poplar Street, including frontage landscaping and pedestrian improvements. A variety of trees, shrubs, plants, and land covers would be planted within the Project's frontage landscape setback area,

including along Poplar Street, Lassen Road, and Mesa Linda Street, as well as within the landscape areas found around the proposed industrial/warehouse buildings and throughout the Project site.

Access to the Project site would be provided by four driveways:

- Lassen Road North Driveway – 45 feet wide, full access (passenger cars and trucks) driveway with stop sign
- Lassen Road South Driveway – 30 feet wide, full access (passenger cars only) driveway with stop sign
- Mesa Linda Street North Driveway - 45 feet wide, full access (passenger cars and trucks) driveway with stop sign
- Mesa Linda Street South Driveway – 30 feet wide, full access (passenger cars only) driveway with stop sign

Paved passenger vehicle parking areas would be provided within areas west, northeast, and east of the building, while tractor-trailer stalls and loading docks would be located north of the building. In total, the Project would provide approximately 54 loading dock positions, approximately 54 tractor-trailer stalls, and approximately 182 passenger vehicle parking spaces (including accessible and EV charging stalls).

Given the vacant, undeveloped nature of the Project site, both wet and dry utilities, including domestic water, sanitary sewer, and electricity, would need to be extended onto the Project site as follows:

- Within the immediate vicinity of the Project site, existing water lines include water lines within Poplar Street and Mesa Linda Street.

- Within the immediate vicinity of the Project site, existing sewer lines include a gravity line starting east of Highway 395 in line with Sultana Street (to the north of the Project site) and another also going from east to west along Poplar Street.

Additionally, a new engineered stormwater drainage system would be constructed on the Project site to collect and treat on-site stormwater. Post-development, stormwater flows would be captured on site and treated within a series of aboveground and underground infiltration facilities. At-grade stormwater detention basins would be located in the northwest and northeast corners of the Project site. Stormwater flows would be conveyed via sheet flows away from buildings and where possible, through below-grade, landscaped areas prior to entering the nearest catch basin and subsequently being conveyed to the infiltration and retention facilities. The landscaped areas would act as the first filter for detaining suspended solids in stormwater flows. The detention basins would be planted with native grasses and erosion control vegetation along their side banks. The new stormwater drainage system would connect to the existing 36-inch-diameter storm drain located approximately 350 feet south of the intersection of Main Street and Cataba Road via the following:

- Construction of a new storm drain from the northeastern corner of the project site to the intersection of Sultana Street and Mesa Linda Street. This line would then run north to Main Street, where it would run east and connect with the existing municipal storm drain line within Main Street that discharges into Oro Grande Wash.

In addition to the proposed construction and improvement activities discussed above, upgrades would be required with respect to electric power, natural gas, and telecommunication facilities (i.e., cable television services). These utilities would be part of a dry utility package that would be installed on site from their locations immediately fronting the Project site to provide service to the Project.

Based on a review of the grading plans and recommendations of the geotechnical report prepared for the Project site, the minimum depth of ground disturbance for the Project site is between 2 to 4 feet below the existing ground surface for proposed foundation bearing grade, existing and proposed pad grade, including the removal of existing vegetation such as native grasses, shrubs, and trees. Ground disturbing activities associated with utilities is assumed to be no deeper than 5 feet below the existing ground surface. It is also assumed that a maximum depth of 20 feet below the existing ground surface is anticipated for the installation of the two detention basins within the northwest and northeast corners of the Project site. All proposed ground disturbing work would occur within native alluvium.

Environmental Setting

The currently vacant and undeveloped Project site is situated within the geomorphic province of the Mojave Desert, which is bound to the northwest and south by the Transverse Ranges including the northern peninsular Tehachapi Mountains and the southern San Gabriel Mountains and San Bernardino Mountains. More specifically, the Project site is within Victor Valley in the western Mojave Desert. Water sources near the Project site include the Mojave River approximately 8.5-miles to the east, the Oro Grande Wash, a tributary of the Mojave River, approximately 0.25-mile to the west, and the California Aqueduct 1 mile to the north. The Project site is relatively flat with elevation ranges between approximately 3,548 and 3,611 feet above mean sea level (amsl) and a local topographic gradient of an approximate 2% decrease towards the northeast (Google 2021). There are no substantial topographical features in the Project site. However, smaller ephemeral desert washes that drain to the Mojave River are present within the Project site.

Land uses surrounding the Project site primarily consist of vacant land, along with some scattered residential, commercial, light industrial, and utility uses. Specific land uses located in the immediate vicinity of the Project site include vacant land and scattered commercial, light industrial, and residential uses to the north; commercial uses and the I-15 to the east; vacant land and the I-15 to the south; and vacant land, US 395, and scattered light industrial and commercial uses to the west.

Ground surface cover consists of moderate native brush and shrub growth, with occasional Juniper and Joshua trees located throughout the site. Both sites are subject to disturbance as a result of illegal dumping and trespassing. These unpermitted activities have led to areas of exposed bare soils (where trails have formed) and several debris piles.

According to the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey (USDA 2021a), one soil type has been identified in the Project site: Hesperia Loamy Fine Sand, 2 to 5% slopes. The Hesperia soil series official soil description is summarized as follows (USDA 2021b).

Hesperia Series: The Hesperia series consists of very deep, well drained soils that formed in alluvium derived primarily from granite and related rocks. Hesperia soils are on alluvial fans, valley plains, and stream terraces, and have slopes of 0 to 9%. A typical Hesperia pedon extends from 0 to 77 inches below ground surface (bgs).

The Project site is noted to be covered by older alluvium. A review of the United States Geological Society (USGS) mineral resources (USGS 2021) online spatial data for geology indicates that native soils within the Project site are comprised of Older Quaternary alluvium and marine deposits from the Pleistocene epoch. The terminal Pleistocene-era alluvial formations do have the potential to support the presence of buried archaeological resources. These soils are associated with the period of prehistoric human use that have potential to preserve cultural material in context, depending on area-specific topographical setting.

Regulatory Context

Work for this Project was conducted in compliance with the California Environmental Quality Act (CEQA). The regulatory framework as it pertains to cultural resources under CEQA is detailed below.

Under the provisions of CEQA, including the CEQA Statutes (PRC Sections 21083.2 and 21084.1), the CEQA Guidelines (14 CCR 15064.5), and California Public Resources Code (PRC) Section 5024.1 (14 CCR 4850 et seq.), properties expected to be directly or indirectly affected by a Project must be evaluated for California Register of Historical Resources (CRHR) eligibility (PRC Section 5024.1).

The purpose of the CRHR is to maintain listings of the state's historical resources and to indicate which properties are to be protected, to the extent prudent and feasible, from material impairment and substantial adverse change. The term historical resources includes a resource listed in or determined to be eligible for listing in the CRHR; a resource included in a local register of historical resources; and any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant (14 CCR 15064.5[a]). The criteria for listing properties in the CRHR were developed in accordance with previously established criteria developed for listing in the National Register of Historic Places. The California Office of Historic Preservation regards "any physical evidence of human activities over 45 years old" as meriting recordation and evaluation (OHP 1995:2).

State

The California Register of Historical Resources

A cultural resource is considered "historically significant" under CEQA if the resource meets one or more of the criteria for listing on the CRHR. The CRHR was designed to be used by state and local agencies, private groups, and citizens to identify existing cultural resources within the state and to indicate which of those resources should be protected, to the extent prudent and feasible, from substantial adverse change. The following criteria have been established for the CRHR. A resource is considered significant if it:

1. is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
2. is associated with the lives of persons important in our past;

3. embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
4. has yielded, or may be likely to yield, information important in prehistory or history.

In addition to meeting one or more of the above criteria, historical resources eligible for listing in the CRHR must retain enough of their historic character or appearance to be able to convey the reasons for their significance. Such integrity is evaluated in regard to the retention of location, design, setting, materials, workmanship, feeling, and association.

Under CEQA, if an archeological site is not a historical resource but meets the definition of a "unique archeological resource" as defined in PRC Section 21083.2, then it should be treated in accordance with the provisions of that section. A unique archaeological resource is defined as follows:

- An archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:
  - Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information
  - Has a special and particular quality, such as being the oldest of its type or the best available example of its type
  - Is directly associated with a scientifically recognized important prehistoric or historic event or person

Resources that neither meet any of these criteria for listing in the CRHR nor qualify as a "unique archaeological resource" under CEQA (PRC Section 21083.2) are viewed as not significant. Under CEQA, "A non-unique archaeological resource need be given no further consideration, other than the simple recording of its existence by the lead agency if it so elects" (PRC Section 21083.2[h]).

Impacts that adversely alter the significance of a resource listed in or eligible for listing in the CRHR are considered a significant effect on the environment. Impacts to historical resources from a Project are thus considered significant if the project (1) physically destroys or damages all or part of a resource; (2) changes the character of the use of the resource or physical feature within the setting of the resource, which contributes to its significance; or (3) introduces visual, atmospheric, or audible elements that diminish the integrity of significant features of the resource.

California Environmental Quality Act

As described further, the following CEQA statutes (PRC Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.) are of relevance to the analysis of archaeological, historic, and tribal cultural resources:

- PRC Section 21083.2(g) defines "unique archaeological resource."
- PRC Section 21084.1 and CEQA Guidelines Section 15064.5(a) defines "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource;" it also defines the circumstances when a project would materially impair the significance of a historical resource.
- PRC Section 21074(a) defines "tribal cultural resources."
- PRC Section 5097.98 and CEQA Guidelines Section 15064.5(e) set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.

- PRC Sections 21083.2(b) and 21083.2(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures. Preservation in place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

More specifically, under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (PRC Section 21084.1; CEQA Guidelines Section 15064.5(b)). If a site is listed or eligible for listing in the CRHR, or included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of PRC Section 5024.1(q)), it is an "historical resource" and is presumed to be historically or culturally significant for purposes of CEQA (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)).

A "substantial adverse change in the significance of an historical resource" reflecting a significant effect under CEQA means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines Section 15064.5(b)(1); PRC Section 5020.1(q)). In turn, the significance of a historical resource is materially impaired when a project does any of the following:

(1) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or

(2) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the PRC or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the PRC, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or

(3) Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA (CEQA Guidelines Section 15064.5(b)(2)).

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a project site contains any "historical resources," then evaluates whether that project will cause a substantial adverse change in the significance of a historical resource such that the resource's historical significance is materially impaired.

If it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (PRC Sections 21083.2(a)–(c)).

Section 21083.2(g) defines a unique archaeological resource as an archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

(1) Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.

(2) Has a special and particular quality such as being the oldest of its type or the best available example of its type.

(3) Is directly associated with a scientifically recognized important prehistoric or historic event or person (PRC Section 21083.2(g)).

Impacts on nonunique archaeological resources are generally not considered a significant environmental impact (PRC Section 21083.2(a); CEQA Guidelines Section 15064.5(c)(4)). However, if a nonunique archaeological resource qualifies as a TCR (PRC Sections 21074(c) and 21083.2(h)), further consideration of significant impacts is required.

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described below, these procedures are detailed in PRC Section 5097.98.

California Health and Safety Code Section 7050.5

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. California Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains shall occur until the county coroner has examined the remains (Section 7050.5(b)). PRC Section 5097.98 also outlines the process to be followed in the event that remains are discovered. If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact NAHC within 24 hours (Section 7050.5(c)). NAHC will notify the "most likely descendant." With the permission of the landowner, the most likely descendant may inspect the site of discovery. The inspection must be completed within 48 hours of notification of the most likely descendant by NAHC. The most likely descendant may recommend means of treating or disposing of, with appropriate dignity, the human remains, and items associated with Native Americans.

Local

City of Hesperia General Plan Update (2010)

The City of Hesperia General Plan contains the following goals and policies that address cultural resources and are applicable to the Project (City of Hesperia 2010):

Conservation Element: Historical, Paleontological, and Cultural Resources

Goal: CN-5. The City shall establish policies and procedures in compliance with state and Federal laws and regulations to identify and properly protect found historical, cultural and paleontological artifacts and resources.

- Policy: CN-5.1. Encourage the preservation of historical, paleontological and cultural resources.
- Policy CN-5.2. In those areas where surveys and records indicate historical, cultural or paleontological resources may be found, appropriate surveys and record searches shall be undertaken to determine the presence of such resources, if any.
- Policy CN-5.3. All historical, paleontological and cultural resources discovered shall be inventoried and evaluated according to CEQA regulations and the California Office of Historic Preservation.
- Policy CN-5.4. The City shall coordinate with the Archeological Information Center at the San Bernardino County Museum in reviewing potential records and in preserving such artifacts as may be found.
- Policy CN-5.5. Through its CEQA and other environmental procedures, the City shall notify appropriate Native American representatives of possible development and shall comply with all State and Federal requirements concerning the monitoring and preservation of Native American artifacts and places.

Background Research

SCCIC Records Search

Due to COVID-19 restrictions, the SCCIC notified researchers that the response time for records searches of the CHRIS database had been significantly delayed and that only data for San Bernardino County that had already been digitized would be provided. Therefore, as part of the cultural resources study prepared for the Project, Dudek referenced a CHRIS records search that was previously completed on February 5, 2021 for another project immediately adjacent to the present Project site. This records search included any previously recorded cultural resources and investigations within a 0.5-mile radius of the Project site as well as their digitized collections of mapped prehistoric and historic archaeological resources; Department of Parks and Recreation site records; technical reports; archival resources; and ethnographic references. Additional consulted sources included historical maps of the project site, the National Register of Historic Places (NRHP), the California Register of Historical Resources (CRHR), the California Historic Property Data File, and the lists of California State Historical Landmarks, California Points of Historical Interest, and the Archaeological Determinations of Eligibility. Dudek reviewed the SCCIC records to determine whether the implementation of the Project would have the potential to impact any known and unknown cultural resources. The confidential records search results are provided in Confidential Appendix B.

Previously Conducted Cultural Resource Studies

Results of the CHRIS records search indicate that fifty-two (52) previous cultural resources studies have been conducted within 1-mile of the Project site. These studies were conducted between 1973 and 2016. Of these investigations, five (5) studies, SB-01025, SB-01026, SB-01027, SB-02476, and SB-08205, address in total approximately one-third of the Project site. Four (4) of these reports, SB-01025, SB-01026, SB-01027, and SB-02476, consist of large-scale studies related to water district improvements that do not directly assess the Project site. Table 1 provides a complete list of all 52 previous cultural resources studies within 1-mile of the Project site.

Table 1. Previous Technical Studies Within 1-Mile of the Project Site

SCCIC Report Number	Authors	Year	Title	Proximity to Project Site
SB-00191	Smith, Gerald A.	1973	Archaeological, Historical and Paleontological Site Survey for County Service Area No. 70 Improvement Zone "J", Assessment of Impact and Recommendations	Outside
SB-00986	Reynolds, Robert E.	1980	Baldy Mesa Water Lines, Cultural Resources Assessment	Outside
SB-01025	Harris, Ruth	1973	Archaeological, Historical, and Paleontological Site Survey for County Service Area No. 70 Improvement Zone "J", Assessments of Impact and Recommendations	**Addresses a portion of the Project site**
SB-01026	Harris, Ruth	1974	Archaeological, Historical, and Paleontological Site Survey for County Service Area No. 70 Improvement Zone "J", Assessments of Impact and Recommendations	**Addresses a portion of the Project site**
SB-01027	Reynolds, Robert E.	1980	Cultural Resources Assessment: Baldy Mesa Water Lines, County Service Area 70, Improvement Zone J, San Bernardino County, California	**Addresses a portion of the Project site**
SB-02202	McKenna, Jeanette A.	1990	A Phase I Archaeological Investigation of Proposed Water Pipeline Routes and reservoir/Pumping Locations, in the Baldy Mesa/Phelan Area, San Bernardino County, California	Outside
SB-02229	Shinn, Juanita R.	1991	Archaeological Assessment of 10 Acre Parcel for Creative Boundaries	Outside
SB-02238	Knell, Edward J.	1991	Cultural Resources Reconnaissance of Twenty One Acres Near Hesperia, San Bernardino County, California	Outside
SB-02395	White, Robert S.	1991	An Archaeological Assessment of Tentative Tract 14596, a 235.33-Acre Parcel Located in Hesperia, San Bernardino County	Outside
**SB-02476	McKenna, Jeanette A.	1991	A Phase I Linear Survey: Cultural Resources Investigations for the Hesperia Improvement District, Hesperia, San Bernardino County, California	**Addresses a portion of the Project site**
SB-02507	Sundberg, Frederick A. and Nancy Whitney-Desautels	1992	Archaeological and Paleontological Survey for a Three Mile Segment of Phelan Road, San Bernardino County, California	Outside

Table 1. Previous Technical Studies Within 1-Mile of the Project Site

SCCIC Report Number	Authors	Year	Title	Proximity to Project Site
SB-02674	Singer, Clay A., John E. Atwood, and Barbie S. Laney	1992	Cultural Resources Survey and Impact Assessment for APN 404-281-36 in the Baldy Mesa Area of San Bernardino County, California	Outside
SB-02730	McKenna, Jeanette A.	1993	Cultural Resources Investigations of the Tracy Smith Property, APN 404-092-53 (TPM 14387), San Bernardino County, California	Outside
SB-02732	Parr, Robert E.	1992	An Archaeological Assessment of Tentative Parcel Map #14242 Baldy Mesa, San Bernardino County, CA	Outside
SB-02803	Love, Bruce	1993	Main St./I-15 Interchange, Hesperia	Outside
SB-03110	Brock, James and Christine L. D'Iorio	1996	Historic Property Survey and Historic Architectural Evaluation Report for the Widening of Phelan Road from Baldy Mesa Road to State Hwy 395, San Bernardino County, California	Outside
SB-03366	Brechibiel, Brant	1998	Cultural Resource Records Search and Survey Report for a PMBS Services Telecommunications Facility: CM 239-01 in the City of Hesperia, California	Outside
SB-03448	Alexandrowicz, John Stephen	2000	A Historical Resources Identification Investigation for the Little Sisters Truck Wash, City of Hesperia	Outside
SB-04036	Cerreto, Ricard and Christy Malan	2004	Cultural Resource Assessment for Parcel 3, APN: 3064-591-17, City of Hesperia, San Bernardino County, California	Outside
SB-04191	McKenna, Jeanette A.	2004	An Intensive Archaeological Survey of the Frontier Homes Property, Tract No. 16744 in the City of Hesperia, San Bernardino County, California	Outside
SB-04281	Cerreto, Richard, Christy Malan, and Katherine Ward	2004	Cultural Resources Assessment for APN: 3064-481-12, the City of Hesperia, San Bernardino County, CA	Outside
SB-04282	Fulton, Phil	2004	Cultural Resources Assessment: Cingular Wireless Facility No. SB 333-01, Hesperia, San Bernardino County, California	Outside
SB-04283	Budinger, Fred E.	2002	A Cultural Resources Phase I Archaeological Survey of the Parcel of the 138 Acre Hesperia Master Plan Parcel, City of Hesperia, San Bernardino County, California	Outside
SB-04284	Alexandrowicz, John Stephen	2001	Historic Archaeology at John E. Dufton's Homestead	Outside

Table 1. Previous Technical Studies Within 1-Mile of the Project Site

SCCIC Report Number	Authors	Year	Title	Proximity to Project Site
SB-04285	Green, Julia K.	2004	Cultural Resources Inventory and Evaluation: Timbisha Shoshone Hotel and Casino, San Bernardino County, California	Outside
SB-04286	Love, Bruce	1999	08-SBD Hesperia Park and Ride Facility at the Intersection of US 395 and Joshua St Near the City of Hesperia	Outside
SB-04289	White, Robert S. and Laura S. White	2003	A Cultural Resources Assessment of the San Bernardino County Special Districts CSA 70 Zone J Casita Ave Water Pipeline Project Near Hesperia, San Bernardino Co	Outside
SB-04290	Hammond, Stephen and David Bricker	1997	The Realignment of US Highway 395 and Main ST in the City of Hesperia, San Bernardino County, California	Outside
SB-04309	McKenna, Jeanette A.	2000	Results of a Phase I Cultural Resources Investigation of the Nick Adams Property (APN: 3039-321-03), San Bernardino County, California	Outside
SB-04580	Hatheway, Roger	2005	A Phase I Historical and Archaeological Survey of the Caliente Industrial Park Property, Assessor Parcel # 3039-321-08-0000, City of Hesperia, California.	Outside
SB-04582	Duff, Gabrielle and Manuel R. Palacios-Fest	2005	Archaeological and Paleontological Survey of the Ludwig Property, Hesperia, San Bernardino County, California.	Outside
SB-04796	Brunzell, David	2005	Cultural Resource Assessment Vista Del Valle City of Victorville San Bernardino County, California	Outside
SB-04975	Wetherbee, Matthew	2005	Historical/Archaeological Resources Survey Report: Baldy Mesa Water District Arsenic Treatment Project, Cities of Victorville and Hesperia, San Bernardino County, California.	Outside
SB-05107	Chandler, Evelyn N, Cotterman, Cary D, and Mason, Roger D	2002	Cultural Resources Survey of the Proposed California Charter Academy Hesperia, San Bernardino County, California	Outside
SB-05216	McKenna, Jeanette A.	2006	Results of a Phase 1 Cultural resources Investigation for the Proposed Wal-Mart Supercenter Approximately 38 Acres in the City of Hesperia, San Bernardino County, California	Outside
SB-05452	McKenna, Jeanette A.	2007	Results of a Phase I Cultural Resources Investigation for Approximately 20 Acres of Land (APN 3039-321-10) In the City of Hesperia, San Bernardino County, California	Outside

Table 1. Previous Technical Studies Within 1-Mile of the Project Site

SCCIC Report Number	Authors	Year	Title	Proximity to Project Site
SB-05698	Hogan, Michael	2007	Historical/Archaeological Resources Survey Report: US Highway 395 Realignment EIR, Victorville Area, San Bernardino County, California.	Outside
SB-05818	Budinger, Fred E.	2007	An Archaeological Survey of 10-Acres (APN 3064-601-01) for the Proposed Holiday Inn Hesperia Project to located Southeast of the Intersection of Main Street and Mesa Linda Street in the City of Hesperia, San Bernardino County, California 92392	Outside
SB-06162	Bonner, Wayne and Aislin-Kay, Marnie	2008	Cultural Resource Records Search and Site Visit Results for Royal Street Communications California, LLC Candidate LA3329A (Outpost Road), 8391 Outpost Road, Oak Hills, San Bernardino County, California	Outside
SB-06164	Sander, Jay	2007	Cultural Resources Inventory of APN 3064-561-12 Hesperia, San Bernardino County, California	Outside
SB-06333	Horne, Melinda C.	2005	Cultural Resources Survey for the Mojave Water Agency Water Banking Project	Outside
SB-06510	White, Laura S.	2005	A Cultural Resources Assessment of TT 16751, A 21.96-Acre Parcel Located Adjacent to Sultana Street, East of Escondido Avenue, City of Hesperia, San Bernardino County	Outside
SB-06600	Tang, Bai, Smallwood, Josh, John J. Eddy, Harry M. Quinn, Terri Jacquemain, Daniel Ballester, and Laura Hensley Shaker	2008	Extended Phase I Historical/Archaeological Resources Study: Northeast Recycled Water Expansion Projects, In and Near the Cities of Rancho Cucamonga and Fontana, San Bernardino County, California	Outside
SB-06602	Wlodarski, Robert J.	2009	Cultural Resources Record Search and Archaeological Survey Results for the proposed Royal Street Communications, California, LLC, Site LAee28A (Vacant Lot TMO-Pine Colo) located at 9980 Lassen Street, Hesperia, San Bernardino County, California 92345	Outside
SB-06652	ESA	2010	Preliminary Archaeological Survey Report for 98 Linear Miles of the east Branch Extension of the California Aqueduct for the DWR East Branch Enlargement Project Los Angeles and San Bernardino Counties (California)	Outside

Table 1. Previous Technical Studies Within 1-Mile of the Project Site

SCCIC Report Number	Authors	Year	Title	Proximity to Project Site
SB-07156	Tang, Bai "Tom," Daniel Ballester, and Nina Gallardo	2011	Historical/Archaeological Resources Survey Report: Water Supply System Improvements Projects, Fiscal Years 2010/2011 – 2014/2015, Victorville Water District, San Bernardino County, California.	Outside
SB-07493	Dahdul, Miriam, Daniel Ballester, John D. Goodman II, and Nina Gallardo	2013	Historical/Archaeological Resources Survey Report: Westside Terraces Project, Assessor's Parcel No's 3064-441-01 to -03, City of Hesperia, San Bernardino County, California.	Outside
SB-07971	McDougall, Dennis	2007	Cultural Resources Survey of Approximately 522.7 Acres Within the Oro Grande Wash North - Recharge Basins Project Area for the Mojave Water Agency Water Banking Project	Outside
SB-08019	Hogan, Michael	2016	Archaeological Survey Report Park and Ride Facility Expansion Project City of Hesperia, San Bernardino County, California	Outside
SB-08179	Hogan, Michael	2015	Archaeological/Paleontological Monitoring Program, Tractor Supply Company Retail Facility Project, 12543 Main Street, City of Hesperia, San Bernardino County	Outside
**SB-08205	McKenna, Jeanette A.	2015	A Phase I Cultural Resources Investigation of the Proposed Summit Leadership Academy, High Desert Campus, City of Hesperia, San Bernardino Co., California	Adjacent
SB-08232	Tang, Bai, Jesse Yorck, Daniel Ballester, and Nina Gallardo	2016	Historical/Archaeological Resources Survey Report Country Inn and Suites Project	Outside

**Reports have not been digitized and are therefore unavailable due to current SCCIC Covid-19 Protocols

Previously Recorded Cultural Resources

The CHRIS records search identified an additional thirty-five (35) previously recorded cultural resources within the 1-mile records search radius. These resources consist of eight (8) built environment resources, twenty-four (24) historic-period archaeological resources, and three (3) prehistoric archaeological resources. The built environment resources consist of six (6) unpaved roads and two (2) paved roads. The historic-period archaeological resources consist of eight (8) household refuse scatters, eight (8) household refuse dumps, one (1) metal can scatter, one (1) homestead site, and six (6) isolates consisting of bottle glass shards and/or metal cans. The prehistoric archaeological resources consist of one (1) low-density lithic scatter and two (2) isolated tested or battered cobbles. The prehistoric archaeological resources are generally distributed to the north, west, and south of the Project site along the eastern bank of the Oro Grande Wash. The nearest prehistoric resource

to the Project site is located approximately 170 meters (560 feet) south of the Project site and consists of an isolated tested cobble.

The CHRIS records search identified two (2) previously recorded cultural resources within the Project site: P-36-004179/CA-SBR-004179H and P-36-010288/CA-SBR-010288H. One (1) of these resources, P-36-004179/CA-SBR-004179H is a historic-period unpaved road, and one (1) resource, P-36-010288/CA-SBR-010288H, consists of a late nineteenth century homestead. A discussion of these two previously recorded cultural resources is provided below and Table 2, provides a summary of all 35 previously recorded cultural resources within 1-mile of the Project site.

P-36-004179 [CA-SBR-04179H]

Resource P-36-004179/CA-SBR-004179H is a historic-period unpaved road that runs generally north south for approximately 7-miles (11.3 kilometers). An approximate 130-feet (40 meter) segment of the road traverses the northwestern corner of the present Project site. Reynolds formerly recorded P-36-004179/CA-SBR-004179H in 1980 as the historic-period roadway known as the Toll Road-Lanes Crossing that connected Brown's Toll Road with the Salt Lake Trail. Portions of the road were revisited in the subsequent years, and the site record was updated with varying results. Ballester revisited a segment of the road in 2007 and stated that the road appeared modern and "retains no identifiable characteristics to suggest that it is a historic-era road." Additional updates from Anderson in 2009 and Valask in 2010 state that segments of P-36-004179/CA-SBR-004179H recorded within their study areas were unable to be relocated.

P-36-010288 [CA-SBR-010288H]

Resource P-36-010288/CA-SBR-010288H is a historic-period homestead site that measures approximately 2,620 feet by 2,620 feet (800 by 800 meters) at an elevation of 3,630 feet amsl. The site includes the entirety of the present Project site and surrounding area. Alexandrowicz initially recorded the site in 2000 as a late nineteenth to early twentieth century homestead consisting of structural debris and household refuse scatters. Site dimensions were determined by artifact distribution and measured approximately 209 feet by 140 feet. Alexandrowicz surmised that at least some of refuse scatter may be considered road toss associated with the previously recorded resource Toll Road-Lanes Crossing (P-36-004179/CA-SBR-004179H). Important to note is that the artifact scatter Alexandrowicz recorded is outside of the current Project site. It wasn't until McKenna expanded the site boundary in 2015 that the boundary of P-36-010288/CA-SBR-010288H overlapped the current Project site.

In 2015, McKenna identified a site consisting of three historic-period refuse scatters, a dirt road alignment, and nine isolated metal cans located in the undeveloped lot northwest of the current Project site. McKenna noted that the temporally diagnostic artifacts within the assemblage date from the late nineteenth century through the early twentieth century.

While evaluating the site for CRHR eligibility, McKenna conducted research into archival property ownership records and identified three periods of ownership: Dufton dating to pre-1913, Goatman from 1913-1918, and Pratt from 1919 to the 1930s. With this information, McKenna redefined the boundary of P-36-010288/CA-SBR-010288H to include the entire 160-acre property limits of the John E. Dufton Homestead. The updated site boundary subsumed the portion of the site previously recorded by Alexandrowicz (2000) and the portion of the current Project site.

Important to note is that while the boundary of P-36-010288/CA-SBR-010288H overlaps the current Project site, McKenna surveyed less than 10 acres of the 160-acre property, none of which was within the current Project site.

McKenna determined that none of the recorded artifacts or features were determined to be unique, nor did they represent long-term occupation. Therefore, McKenna concluded that the resources are not considered significant as defined by CEQA, nor are they associated with significant events, nor with significant persons in history. McKenna determined that P-36-010288/CA-SBR-010288H is not eligible for listing in the CRHR and that no additional cultural resources considerations are required for the resource.

Table 2. Previously Recorded Cultural Resources Within a 1-Mile of the Project Site

Primary (P-36-)	Trinomial (CA-SBR-)	Resource Age and Type	Resource Description	NRHP/CRHR Eligibility	Recording Events	Proximity to Project Site
004179	004179H	Built Environment: Road	Historic route known as the Canal Lane Historic Road.	7R: Not evaluated	1980 (R. Reynolds); 1980 (R. Reynolds); 2007 (D. Ballester); 2007 (D. Ballester); 2009 (ESA); 2010 (M. Valask)	**Overlaps**
004251	004251H	Built Environment: Road	Historic road known as the Baldy Mesa Pole Line; poles have since been removed leaving only the access road intact.	6Z: Ineligible for NRHP, CRHR, or Local	1980 (R. Reynolds); 1991 (J. Petersen); 1993 (K. Becker); 2009 (K. Anderson); 2010 (J. Coleman); 2011 (J. Trampier); 2018 (C. Bennett)	936m (3070 ft) east of the Project site
004266	004266	Archaeological site: Prehistoric	Prehistoric site consisting of low-density lithic scatter, core, fire-affected rock, and two secondary flakes.	7R: Not evaluated	1980 (R. Reynolds); 1993 (K. Becker)	1032m (3385 ft) southwest of the Project site
004267	004267H	Built Environment: Road	Historic road known as the Oro Grande Wash/Oak Hill Cutoff Road. Most recent record of this site claims it has been destroyed and no evidence of the original road remains.	7R: Not evaluated	1980 (R.Reynolds); 1993 (K. Becker); 2007 (D. Ballester); 2007 (M. Linder)	815m (2675 ft) north of the Project site

Table 2. Previously Recorded Cultural Resources Within a 1-Mile of the Project Site

Primary (P-36-)	Trinomial (CA-SBR-)	Resource Age and Type	Resource Description	NRHP/CRHR Eligibility	Recording Events	Proximity to Project Site
004268	004268H	Built Environment: Road	Historic road known as the Oro Grande Wash/White Road Cutoff. Most recent record of this site claims it has been destroyed and no evidence of the original road remains.	6Z: Ineligible for NRHP, CRHR, or Local	1980 (R. Reynolds); 1993 (K. Becker); 1993 (J. Mckenna); 1995 (J. Brock); 2007 (D. Ballester)	985m (3230 ft) north of the Project site
004275	004275H	Built Environment: Road	Historic road known as Houghton's Crossing Toll Road.	6Z: Ineligible for NRHP, CRHR, or Local	1980 (R. Reynolds); 1991 (Knell); 1993 (K. Becker); 2002 (Cotterman)	600m (1968 ft) east of the Project site
007545	007545H	Built Environment: Road	Historic highway known as State Route 395.	6Z: Ineligible for NRHP, CRHR, or Local	1993 (T. Wahoff and L. Peterson); 1996 (D. Bricker); 1997 (D. Bricker); 2000 (J. Underwood and S. Rosel); 2007 (D. Ballester); 2009 (K. Anderson); 2010 (M. Valasik); 2010 (S. Jow); 2013 (L. Honey); 2013 (D. Martinez); 2014 (J. Hall and C. Morgan)	455m (1495 ft) northwest of the Project site
007680	007680H	Archaeological site: Historic-period	Historic refuse dump consisting of nails, glass, ceramics, metal fragments, and vehicle parts form a Model A Ford.	7R: Not evaluated	1993 (J. McKenna and Reeves)	1440m (4725 ft) southwest of the Project site
007755	007755H	Archaeological site: Historic-period	Historic site consisting of glass fragments, ironstone bowl fragments, cans, Pepsi glass bottle, and a glass bottle.	7R: Not evaluated	1993 (K. Becker)	1344m (4410 ft) northwest of the Project site

Table 2. Previously Recorded Cultural Resources Within a 1-Mile of the Project Site

Primary (P-36-)	Trinomial (CA-SBR-)	Resource Age and Type	Resource Description	NRHP/CRHR Eligibility	Recording Events	Proximity to Project Site
007756	007756H	Archaeological site: Historic-period	Historic trash scatter consisting of glass bottles, glass fragments, umbrella parts, tin cans, metal fragments, and ironstone dish fragments.	7R: Not evaluated	1993 (K. Becker)	1320m (4430 ft) northwest of the Project site
007757	007757H	Archaeological site: Historic-period	Historic trash scatter consisting of a variety of can and glass artifacts.	7R: Not evaluated	1993 (K. Becker)	1152m (3780 ft) northwest of the Project site
007758	007758H	Built Environment: Road	Historic segments of paved road.	7R: Not evaluated	1993 (K. Becker)	528m (1732 ft) northwest of the Project site
008077	008077H	Archaeological site: Historic-period	Historic trash scatter consisting of various cans, glass fragments, ceramic fragments, asphalt fragments, vehicle parts, and various modern debris.	7R: Not evaluated	1995 (Brock and James)	1296m (4252 ft) northwest of the Project site
008082	008082H	Built Environment: Road	Historic road known as Phelan Road.	6Z: Ineligible for NRHP, CRHR, or Local	1995 (Brock and James); 2007 (D. Ballester)	1008m (3307 ft) north of the Project site
010287	010287H	Archaeological site: Historic-period	Historic site consisting of dirt path, a temporary homestead site and various isolated refuse objects including tin cans, and metal hinges.	7R: Not evaluated	2000 (J. Alexandrowicz)	195m (630 ft) south of the Project site
010288	010288H	Archaeological site: Historic-period	Historic property known as the John E. Dufton Homestead.	6Z: Ineligible for NRHP, CRHR, or Local	2000 (J. Alexandrowicz); 2015 (J. Mckenna)	**Overlaps and surrounding area**

Table 2. Previously Recorded Cultural Resources Within a 1-Mile of the Project Site

Primary (P-36-)	Trinomial (CA-SBR-)	Resource Age and Type	Resource Description	NRHP/CRHR Eligibility	Recording Events	Proximity to Project Site
010920	010920H	Archaeological site: Historic-period	Historic trash dump consisting of tin cans, metal fragments, glass fragments, lumber, and ceramic fragments.	6Z: Ineligible for NRHP, CRHR, or Local	2002 (C. Cotterman)	600m (1968 ft) east of the Project site
010921	010921H	Archaeological site: Historic-period	Historic refuse deposit consisting of metal artifacts, tin cans, glass bottle fragments, and ceramic fragments.	6Z: Ineligible for NRHP, CRHR, or Local	2002 (C. Cotterman)	744m (2440 ft) southeast of the Project site
012056	012056H	Archaeological site: Historic-period	Historic site consisting of structural remains and low-density trash scatter including paint cans, food cans, glass fragments, couch springs, wire screen, and architectural material.	7R: Not evaluated	2005 (G. Duff)	600m (1968 ft) northeast of the Project site
012339	012217H	Archaeological site: Historic-period	Historic high-density trash scatter consisting of ceramic fragments, glass bottle fragments, and various cans.	7R: Not evaluated	2005 (S. Norris)	504m (1654 ft) northwest of the Project site
012340	012218H	Archaeological site: Historic-period	Historic refuse deposit consisting of a ceramic plate, ceramic fragments, and various cans.	7R: Not evaluated	2005 (S. Norris)	430m (1415 ft) north of the Project site
012341	012219H	Archaeological site: Historic-period	Historic refuse deposit consisting of glass bottle fragments, porcelain fragments, various cans, and a brick.	7R: Not evaluated	2005 (S. Norris)	552m (1810 ft) northwest of the Project site

Table 2. Previously Recorded Cultural Resources Within a 1-Mile of the Project Site

Primary (P-36-)	Trinomial (CA-SBR-)	Resource Age and Type	Resource Description	NRHP/CRHR Eligibility	Recording Events	Proximity to Project Site
012342	012220H	Archaeological site: Historic-period	Historic refuse deposit consisting of porcelain fragments, clear glass fragments, and various cans.	7R: Not evaluated	2005 (S. Norris)	385m (1260 ft) northwest of the Project site
012343	012221H	Archaeological site: Historic-period	Historic low-density trash scatter consisting of a horseshoe, kerosene lamp burner, bullet cartridge, glass fragments, porcelain lids, and various cans.	7R: Not evaluated	2005 (K. Becker)	288m (995 ft) north of the Project site
012344	012222H	Built Environment: Road	Historic road 6 to 8 feet wide and heavily disturbed due to recreational use of off-road vehicles.	7R: Not evaluated	2005 (V. Austerman and L. Lee)	865m (2835 ft) northwest of the Project site
012345	012223H	Built Environment: Road	Historic unpaved dirt road.	7R: Not evaluated	2005 (V. Austerman and L. Lee)	550m (1810 ft) northwest of the Project site
012346	012224H	Built Environment: Road	Historic unpaved north to south running dirt road.	7R: Not evaluated	2005 (V. Austerman and L. Lee)	335m (1100 ft) northwest of the Project site
012347	—	Archaeological isolate: Prehistoric	Prehistoric isolate described as a tested quartzite cobble with 3 flake scars.	6Z: Ineligible for NRHP, CRHR, or Local	2005 (K. Becker, T. Diaz, and M. Knypstra)	720m (2360 ft) northwest of the Project site
013356	012556H	Archaeological site: Historic-period	Historic refuse dump of 6 fragments of sun-altered manganese glass, 13 ceramic shards, and various metal cans.	7R: Not evaluated	2007 (D. Ballester)	985m (3230 ft) north of the Project site

Table 2. Previously Recorded Cultural Resources Within a 1-Mile of the Project Site

Primary (P-36-)	Trinomial (CA-SBR-)	Resource Age and Type	Resource Description	NRHP/CRHR Eligibility	Recording Events	Proximity to Project Site
020263	—	Archaeological isolate: Prehistoric	Prehistoric isolate described as a tested obsidian nodule with two or three flake scars.	6Z: Ineligible for NRHP, CRHR, or Local	2004 (Cerreto and Cunningham)	195m (630 ft) south of the Project site
020473	—	Archaeological isolate: Historic-period	Historic isolate described as a glass bottle with inverted base.	6Z: Ineligible for NRHP, CRHR, or Local	2005 (G. Duff)	1152m (3780 ft) northeast of the Project site
020556	—	Archaeological isolate: Historic-period	Historic isolate described as an aqua glass shard.	6Z: Ineligible for NRHP, CRHR, or Local	2005 (K. Pollock, P. Stanton, L. Lee, and K. Sewell)	1320m (4430 ft) northwest of the Project site
020557	—	Archaeological isolate: Historic-period	Historic isolate described as two hole-in-cap meat cans.	6Z: Ineligible for NRHP, CRHR, or Local	2005 (K. Pollock, P. Stanton, L. Lee, and K. Sewell)	1392m (4567 ft) northwest of the Project site
020558	—	Archaeological isolate: Historic-period	Historic isolate described as a hole-in-cap can.	6Z: Ineligible for NRHP, CRHR, or Local	2005 (K. Pollock, P. Stanton, L. Lee, and K. Sewell)	1440m (4725 ft) northwest of the Project site
026211	016620H	Archaeological site: Historic-period	Historic refuse scatter consisting of ceramic fragments, metal artifacts, red brick, and amethyst glass fragments.	7R: Not evaluated	2013 (D. Ballester)	1056m (3465 ft) north of the Project site
026212	016621H	Archaeological site: Historic-period	Historic refuse scatter consisting of hole-in-cap cans, lard buckets, and beef cans.	7R: Not evaluated	2013 (D. Ballester)	1320m (4330 ft) north of the Project site
026213	016622H	Archaeological site: Historic-period	Historic trash dump consisting of various cans, bottle caps, glass bottle fragments, and assorted domestic items.	7R: Not evaluated	2013 (D. Ballester)	1128m (3700 ft) north of the Project site
033090	—	Archaeological isolate: Historic-period	Historic isolate described as three amethyst glass fragments and one sardine can.	6Z: Ineligible for NRHP, CRHR, or Local	2018 (R. Goodwin, M. Jenkins, and A. Garcia)	1560m (5118 ft) northwest of the Project site

Table 2. Previously Recorded Cultural Resources Within a 1-Mile of the Project Site

Primary (P-36-)	Trinomial (CA-SBR-)	Resource Age and Type	Resource Description	NRHP/CRHR Eligibility	Recording Events	Proximity to Project Site
033091	—	Archaeological isolate: Historic-period	Historic isolate described as a condensed milk can and steel church-key beverage can.	6Z: Ineligible for NRHP, CRHR, or Local	2018 (R. Goodwin, M. Jenkins, and A. Garcia)	1512m (4960 ft) northwest of the Project site

Review of Historical Topographic Maps and Aerial Photographs

Dudek consulted historical topographic maps and aerial photographs through the Nationwide Environmental Title Research, LLC (NETR) to better understand any natural or human-made changes to the Project site and surrounding properties over time.

Historical Topographic Maps

USGS topographic maps for the Project site are available for the following years: 1902, 1906, 1912, 1923, 1936, 1942, 1945, 1957, 1963, 1969, 1980, 1985, 1988, 1999, 2012, 2015, and 2018 (NETR 2021a). The first USGS topographic map showing the Project site is 1902 and shows the Project site as undeveloped with US 395, I-15, and Phelan Road in the surrounding areas. The following topographic maps show no significant changes to the Project site or surrounding area until 1957. The 1957 topographic map shows an increase in structures within the surrounding area, the Project site is still undeveloped. The topographic maps from 1963 through 1999 show no significant changes to the Project site or surrounding areas. The 2012 topographic map depicts Mesa Linda Road, serving as the Project site's eastern boundary, Poplar Street serving as the Project site's southern boundary, and an unnamed road serving as the Project site's western boundary. The 2015 topographic map no longer shows the un-named road. The most recent topographic map from 2018 depicts the unnamed road serving as the Project site's western boundary. According to the topographic maps, the Project site has remained un-developed since 1902.

Historical Aerial Photographs

Historical aerial photographs of the Project site are available for the following years: 1938, 1952, 1968, 1994, 2002, 2005, 2009, 2010, 2012, 2014, and 2016 (NETR 2021b). The 1938 aerial photograph shows the Project site as undeveloped with the I-15 Freeway and US Highway 395 in the vicinity. The 1952 and 1968 aerial photographs show no significant changes to the Project site. The aerial photograph from 1994 shows the Project site bound to the east by Mesa Linda Road, to the south by Poplar Street, and to the west by an unnamed dirt road. The remainder of the aerial photographs show no significant changes to the Project site. Overall, the aerial photographs show that the Project site has remained vacant and undeveloped since at least 1938 while the surrounding area steadily increased in development.

Geotechnical Report Review

Southern California Geotechnical, Inc. (SoCalGeo) conducted a geotechnical study for the proposed project site in April of 2022. *Geotechnical Investigation Proposed I-15 Business Park Building 3 NWC Mesa Linda Street and Poplar Street Hesperia, California for Covington Realty Advisors, LLC.* (SoCalGeo 2022), documents the subsurface geological conditions within the 17.87-acre proposed Project site. The report details the results of seven (7) subsurface exploratory borings performed by a hollow-stem auger drill rig. These borings were placed at accessible locations throughout the proposed Project site. All of the borings encountered native alluvium extending from the surface to the maximum depths explored (between 15 to 30 feet below ground surface [bgs]). Native soil characteristics typically consisted of 0 to 5.5 feet of loose to medium dense silty fine to coarse sands, loose fine to coarse sandy silts, and loose silty fine sands to fine sandy silts and 30+ feet of medium dense to very dense silty fine to coarse sands, fine to medium sands, and fine to coarse sandy silts with varying gravel, clay, and cobbles.

Results of the geotechnical reports indicate that should cultural deposits exist within the current Project site, they may be encountered within the native younger and older alluvium soils that extend from surface elevation to a maximum depth of 30+ feet bgs. Cultural deposits typically exist within A soil horizon (top soil) and B soil horizon (subsoil) that locations not exposed to recent alluvial deposits usually extend to an approximate depth of 6 feet bgs. However, in areas where environmental conditions include alluvial activity, the depth where cultural material can be found has the potential of being considerably deeper.

Field Survey

Methods

Dudek Lead Archaeologist, Linda Kry, and Dudek cross-trained Associate Paleontologist, Kira Archipov, conducted a pedestrian survey of the Project site on October 19, 2021 using standard archaeological procedures and techniques. The intensive-level survey methods consisted of a pedestrian survey conducted in parallel transects, spaced no more than 10 meters apart (approximately 30 feet), traversing east to west. The ground surface was inspected for prehistoric artifacts (e.g., flaked stone tools, tool-making debris, groundstone tools, ceramics, fire-affected rock), soil discoloration that might indicate the presence of a cultural midden, soil depressions, features indicative of structures and/or buildings (e.g., standing exterior walls, post holes, foundations), and historical artifacts (e.g., metal, glass, ceramics, building materials). In reference to metal cans, these resources were only considered if they were observed to be within discrete deposits or determined to be from a primary depositional location. Ground disturbances such as burrows, cut banks, trails and drainages were also visually inspected for exposed subsurface materials. Additionally, the locations of the two (2) previously recorded overlapping resources, P-36-004179 and P-36-010288, were revisited in order to document the current site conditions. Site updates were recorded on Department of Parks and Recreation (DPR) 523 forms and included within Confidential Appendix C. No artifacts were collected during the survey.

All fieldwork was documented using field notes and an Apple Generation 7 iPad (iPad) equipped with ESRI Collector and Avenza PDF Maps software with close-scale georeferenced field maps of the Project site, and aerial photographs. Location-specific photographs were taken using the iPad's 12-mega-pixel resolution camera. Cultural resources identified during this inventory within the Project site were to be recorded on DPR forms, using

the Instructions for Recording Historical Resources (Office of Historic Preservation 1995). All field notes, photographs, and records related to the current study are on file at Dudek's Pasadena, California office. All field practices met the Secretary of Interior's standards and guidelines for a cultural resources inventory.

Results

The Project site is composed of an open field with various unimproved dirt roads, low-lying dried vegetation, and the occasional taller tree. The intensive-level pedestrian survey provided 100% coverage of the Project site. Ground surface visibility ranged from good to excellent (70-100%) throughout the Project site. In areas of moderate ground coverage, surface scrapes were occasionally implemented, when necessary, to enhance detection of archaeological materials that may have been obscured on the surface.

There is evidence of disturbance throughout the Project site. Modern debris was noted throughout the Project site and includes large items such as furniture, electronics, vehicle parts, tires, and clothing. The amount of modern refuse encountered during the survey suggests that the Project site is used for illegal dumping. Portions of the Project site, especially adjacent to Poplar Street and Mesa Linda Street, have been subject to previous grading. Numerous informal dirt roads caused by off-road vehicle use traverse the Project site. No new cultural resources were identified within the Project site as a result of the pedestrian survey.

All soils appear consistent with the United States Department of Agriculture's description of Hesperia loamy fine sand (USDA 2021)

Dudek revisited the location of the two previously recorded cultural resources within the Project site that were identified during the CHRIS records search. The following paragraphs provide a summary of findings.

P-36-004179 [CA-SBR-04179H]

As mapped, a portion of resource P-36-004179/CA-SBR-004179H, a historic period dirt road informally called "Toll Road-Lanes Crossing", intersects the northwest corner of the present Project site. The approximately 48.47-foot segment of the road that is purported to intersect the Project site was not able to be identified during the pedestrian survey. According to the DPR prepared for P-36-004179/CA-SBR-004179H, multiple sources found no evidence of the road within their respective study areas. The mapped location of P-36-004179/CA-SBR-004179H within the current Project site was found to be overgrown with vegetation, and no evidence of the historic-period road remained. This suggests that either the unpaved road was ephemeral and succumbed to environmental conditions that erased any evidence of the road, or that the resource was mapped incorrectly in the original recording. Dudek documented this finding on a DPR 523 Update Form, which will be submitted to the SCCIC. See Confidential Appendix C, DPR Forms, for the P-36-004179/CA-SBR-004179H update. No further cultural resources considerations are required for this resource.

P-36-010288 [CA-SBR-010288H]

As mapped, resource P-36-010288/CA-SBR-010288H includes the entirety of the Project site as well as surrounding properties to the north, south and west. According to the DPR form prepared for P-36-010288/CA-SBR-010288H, the mapped boundary of the resource consists of the entire 160- acre homestead of John E. Dufton, though only a small portion of the total property boundary has been previously surveyed. The previously surveyed

areas are outside of the current Project site, and therefore, any artifacts or features identified within areas outside of the current Project site were not revisited as a result of this investigation.

The current Project surveyed approximately 17.87 acres of the John E. Dufton homestead that were not previously surveyed. No artifacts, features, or structural remnants of the homestead were identified within the current Project site. Additionally, McKenna (2005) determined that the resource was not a significant resource as defined by CEQA and not eligible for listing on the CRHR, and therefore, no further cultural resources considerations are required for this feature during this current Project or any future projects.

Sensitivity Analysis

The cultural resources study revealed that the potential for unrecorded archaeological resources to exist within the Project site is considered low based on the following factors: 1) the CHRIS records search identified two previously recorded historic-period archaeological resources within the Project site, none of which will be impacted by implementation of the Project; 2) the pedestrian survey provided 100% coverage of the Project site, and no cultural resources were identified as a result of the survey; 3) though a portion of the Project site is included within a historic-period homestead property (P-36-010288/CA-SBR-010288H), a review of historic topographic maps and aerial photographs indicate that the specific area within the archaeological site where the Project is proposed was never occupied and has remained vacant and relatively undisturbed since at least 1902; 4) the approximately 48.47-foot segment of historic road (P-36-004179/CA-SBR-004179H) within the current Project site was found to be disturbed by vegetation, recreational use of the site, including off-road vehicular traffic, and bioturbation; no evidence of the historic-period road remained; 5) the homestead site (P-36-010288/CA-SBR-010288H) was previously evaluated and determined ineligible for listing on the CRHR, and therefore, future construction would not cause a significant impact to this resource; and 6) though three previously recorded prehistoric cultural resources (i.e., a low-density lithic scatter and two isolated cores) have been identified within 1-mile of the Project site, these resources were located near to the flood zone of the Oro Grande Wash, suggesting that these resources may have been transported to the respective locations from their primary deposition and that their presence may not accurately represent the prehistoric sensitivity of the immediate vicinity.

Given these factors, the Project site is considered low sensitivity for the presence of prehistoric or historic cultural resources. Although the overall potential for archaeological resources to exist within the Project site is considered low, it is still possible that unknown intact archaeological resources could be encountered subsurface during ground disturbing activities within native soils. Specifically, and in consideration of the findings of the geotechnical report prepared for the Project site (SoCalGeo 2022), the potential remains for intact archaeological deposits to be encountered within native younger and older alluvium within the Project site from surface elevation to a maximum depth of 30+ feet bgs. As such, the following management recommendations are provided to ensure that impacts to unanticipated archaeological resources and human remains would be less than significant.

Management Recommendations

Dudek recommends the following measures to ensure proper treatment of any unknown cultural resources that may be encountered as a result of Project construction. These measures would ensure the proper treatment of any cultural

resources and human remains encountered during ground disturbing activities. With the proper implementation of the prescribed recommendations, the potential impact to cultural resources is considered to be less then significant.

Inadvertent Discovery of Archaeological Resources

Workers Environmental Awareness Program Training. All construction personnel and monitors who are not trained archaeologists should be briefed regarding unanticipated discoveries prior to the start of construction activities. A basic presentation should be prepared and presented by a qualified archaeologist to inform all personnel working on the Project about the archaeological sensitivity of the area. The purpose of the WEAP training is to provide specific details on the kinds of archaeological materials that may be identified during construction of the Project and explain the importance of and legal basis for the protection of significant archaeological resources. Each worker should also learn the proper procedures to follow in the event that cultural resources or human remains are uncovered during ground-disturbing activities. These procedures include work curtailment or redirection, and the immediate contact of the on-call archaeologist and if appropriate, Tribal representative. Necessity of training attendance should be stated on all construction plans.

Retention of a Qualified Archaeologist. In consideration of the general sensitivity of the proposed Project site for cultural resources, a qualified archaeologist should be retained to conduct spot monitoring as well as on-all to respond to and address any inadvertent discoveries identified for the duration of construction activities. A qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, should oversee and adjust monitoring efforts as needed (increase, decrease, or discontinue monitoring frequency) based on the observed potential for construction activities to encounter cultural deposits. The archaeologist should be responsible for maintaining monitoring logs. Following the completion of construction, the qualified archaeologist should provide an archaeological monitoring report to the lead agency and the SCCIC with the results of the cultural monitoring program.

Inadvertent Discovery Treatment and Protocol. In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the Project, all construction work occurring within 100 feet of the find should immediately stop until a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, can evaluate the significance of the find and determine whether or not additional study is warranted. Depending upon the significance of the find under the California Environmental Quality Act (14 CCR 15064.5(f); California PRC Section 21082), the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work, such as preparation of an archaeological treatment plan, testing, or data recovery, may be warranted. If the discovery is Native American in nature, consultation with and/or monitoring by a Tribal representative may be necessary.

In accordance with Section 7050.5 of the California Health and Safety Code, if human remains are found, the County Coroner shall be notified within 24 hours of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the County Coroner has determined, within two working days of notification of the discovery, the appropriate treatment and disposition of the human remains. If the remains are determined to be Native American, the Coroner shall notify the NAHC in Sacramento within 24 hours. In accordance with California Public Resources Code, Section 5097.98, the NAHC must immediately notify those persons it believes to be the MLD from the deceased Native American. The MLD shall complete their inspection within 48 hours of being granted access to the site. The MLD would then determine, in consultation with the property owner, the disposition of the human remains.

Should you have any questions relating to this report and the preliminary findings and recommendations, please do not hesitate to contact Linda Kry at lkry@dudek.com or Heather McDaniel McDevitt at hmcdevitt@dudek.com.

Sincerely,

Linda Kry, B.A., RA
Archaeologist

Heather McDaniel McDevitt, M.A., RPA
Archaeologist

Att.: *Appendix A: Figures*
Appendix B. (Confidential) SCCIC Records Search Information
Appendix C. (Confidential) DPR for P-36-004179/CA-SBR-004179H Update

cc: *Kira Archipov, Patrick Cruz, Ronelle Candia, Carey Fernandes, Dudek*

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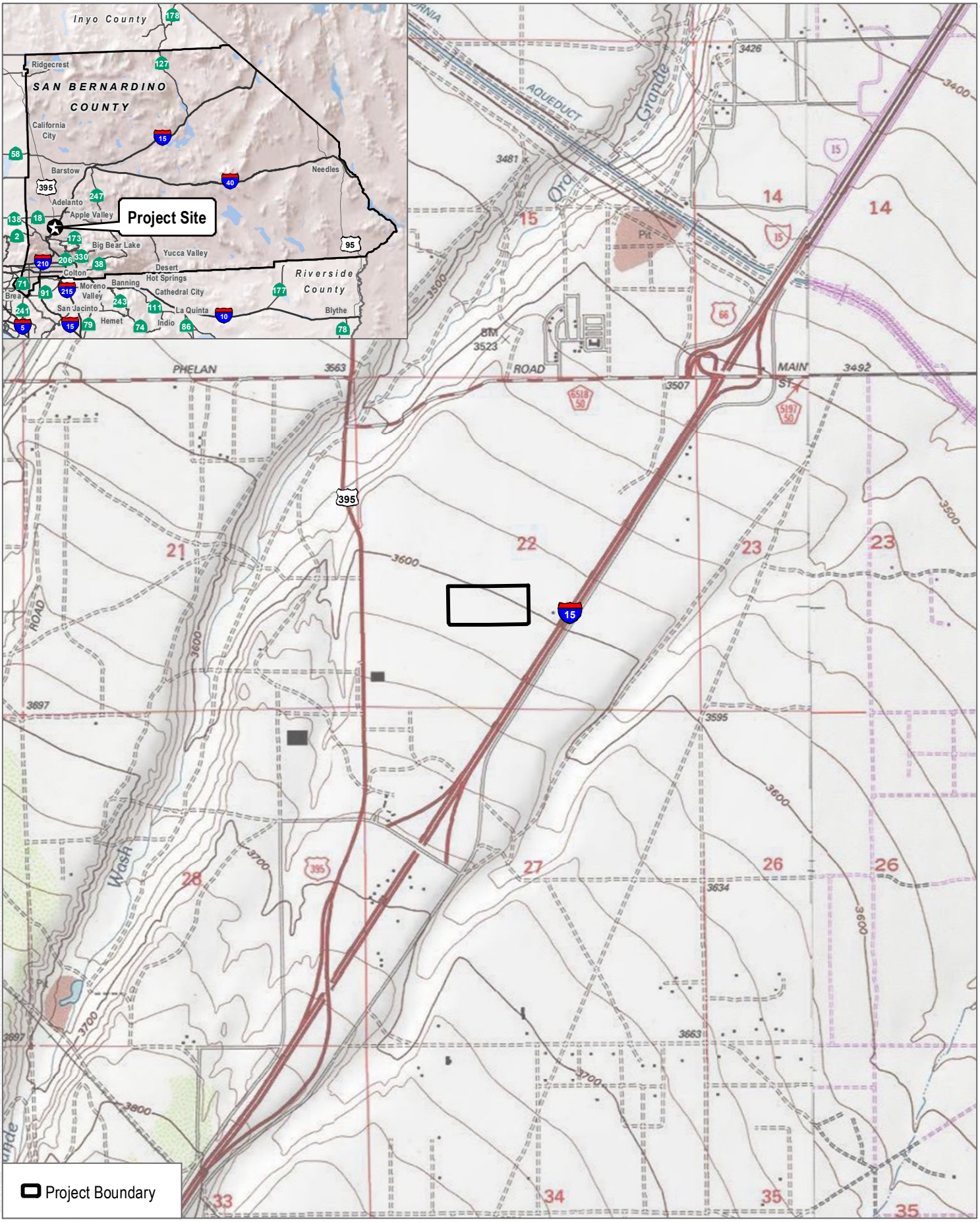
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Appendix A

Figures



SOURCE: USA Topo Maps 7.5 Minute Series Baldy Mesa Quadrangle

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

Poplar 18 Industrial Park Project



SOURCE: Esri World Imagery Basemap 2021; County of San Bernadino 2022; City of Hesperia 2020

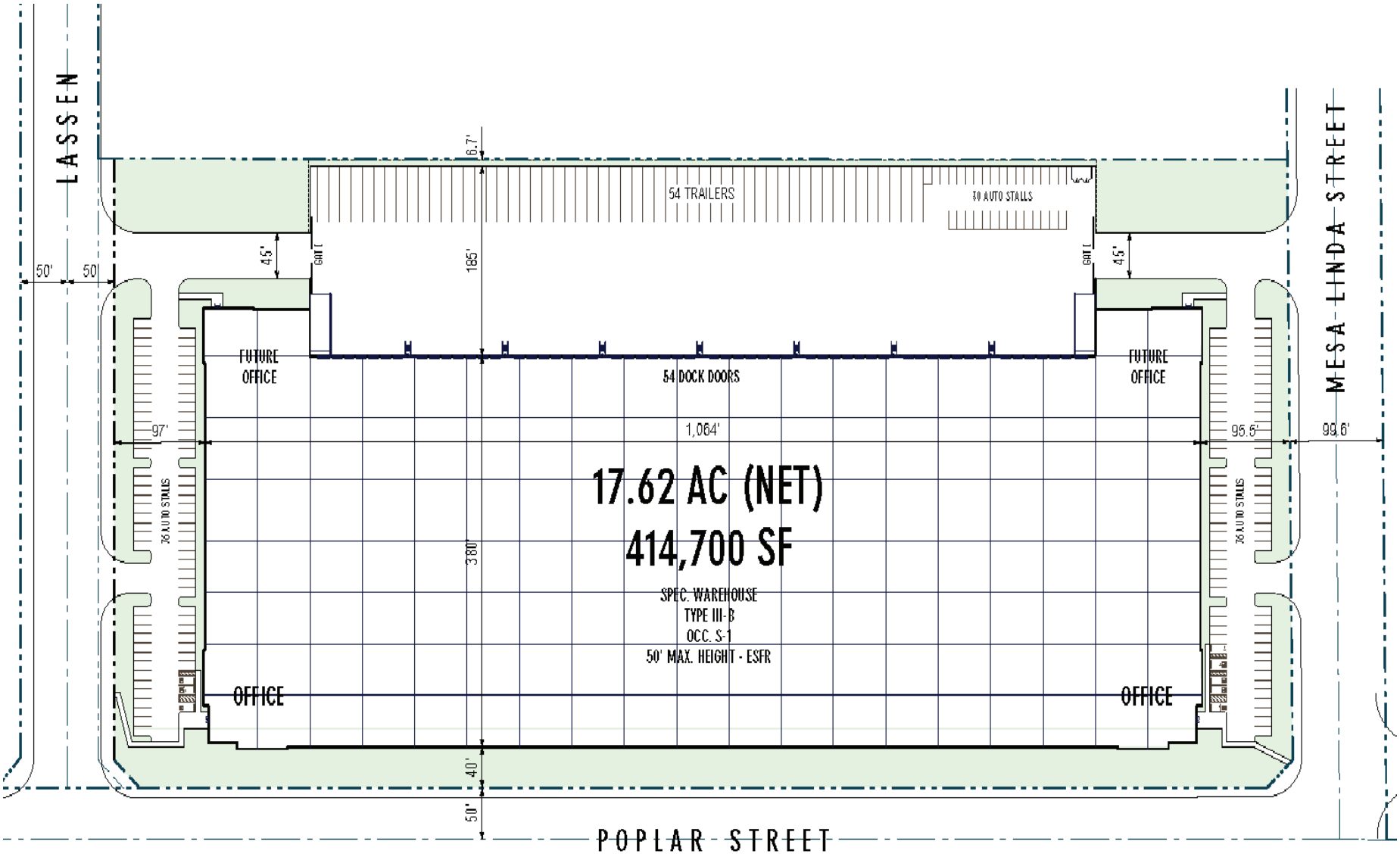
DUDEK

0 125 250 Feet

FIGURE 2

Project Area

Poplar 18 Industrial Park Project



SOURCE: RGA Office of Architectural Design 2021

FIGURE 3

Project Site Plan

Poplar 18 Industrial Park Project

DUDEK

Appendix B

CONFIDENTIAL SCCIC Records Search Results

Appendix C

CONFIDENTIAL DPR Forms

Appendix E
Geotechnical Reports

GEOTECHNICAL INVESTIGATION
POPLAR 18 INDUSTRIAL PARK

NWC Mesa Linda Street and Poplar Street
Hesperia, California
for
Covington Realty Advisors, LLC

SoCalGeo

SOUTHERN
CALIFORNIA
GEOTECHNICAL
A California Corporation

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

April 7, 2022

Covington Development Group, Inc.
3 Corporate Plaza, Suite 230
Newport Beach, California 92660

Attention: Mr. Michael Di Sano
Sr. Director - Entitlements

Project No.: **22G134-1R**

Subject: **Geotechnical Investigation**
Poplar 18 Industrial Park
NWC Mesa Linda Street and Poplar Street
Hesperia, California

Mr. Di Sano:

In accordance with your request, we have conducted a geotechnical investigation at the subject site. We are pleased to present this report summarizing the conclusions and recommendations developed from our investigation.

We sincerely appreciate the opportunity to be of service on this project. We look forward to providing additional consulting services during the course of the project. If we may be of further assistance in any manner, please contact our office.

Respectfully Submitted,

SOUTHERN CALIFORNIA GEOTECHNICAL, INC.

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Distribution: (1) Addressee

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1.0 EXECUTIVE SUMMARY

Presented below is a brief summary of the conclusions and recommendations of this investigation. Since this summary is not all inclusive, it should be read in complete context with the entire report.

Site Preparation Recommendations

- Site stripping will be necessary to remove the native grass and shrub growth which is present throughout the majority of the site. Trees and their associated root masses should be removed in their entirety. All vegetation and any organic topsoil should be removed during site stripping.
- The soils encountered at the boring locations consist of native alluvium. The near surface generally soils possess variable densities and strengths, and the results of laboratory testing indicate that some of the near-surface soils possess a minor to moderate potential for hydrocollapse when inundated with water. Based on these considerations, remedial grading is recommended to be performed within the proposed building area to provide more consistent support characteristics throughout the proposed building area and mitigate the hydrocollpase potential of the near surface soils.
- Remedial grading is recommended to be performed within the proposed building pad area. The existing soils within the proposed building area should be overexcavated to a depth of 4 feet below existing grades and to a depth of 3 feet below proposed pad grades. The proposed foundation influence zones should be overexcavated to a depth of at least 2 feet below proposed foundation bearing grade. The overexcavation should also extend to a sufficient depth to remove any variability in the soils.
- After overexcavation has been completed, the resulting subgrade soils should be evaluated by the geotechnical engineer to identify any additional soils that should be overexcavated. The resulting soils should be scarified and moisture conditioned to achieve a moisture content of 0 to 4 percent above optimum moisture, to a depth of at least 12 inches. The overexcavation subgrade soils should then be recompacted under the observation of the geotechnical engineer. The previously excavated soils may then be replaced as compacted structural fill.
- The new pavement and flatwork subgrade soils are recommended to be scarified to a depth of 12± inches, thoroughly moisture conditioned and recompacted to at least 90 percent of the ASTM D-1557 maximum dry density.

Building Foundation Recommendations

- Spread footing foundations, supported in newly placed structural fill soils.
- Maximum, net allowable soil bearing pressure: 3,000 lbs/ft^2.
- Reinforcement consisting of at least two (2) No. 5 rebars (1 top and 1 bottom) in strip footings. Additional reinforcement may be necessary for structural considerations.

Building Floor Slab Recommendations

- Conventional Slab on Grade, at least 6 inches thick
- Modulus of Subgrade Reaction: k = 150 psi/in
- Reinforcement is not considered to be necessary for geotechnical considerations.

- The actual thickness and reinforcement of the floor slab should be determined by the structural engineer, based on the imposed slab loading.

Pavements

ASPHALT PAVEMENTS (R=40)					
Materials	**Thickness (inches)**				
	Auto Parking and Auto Drive Lanes (TI = 4.0 to 5.0)	Truck Traffic			
		TI = 6.0	TI = 7.0	TI = 8.0	TI = 9.0
Asphalt Concrete	3	3½	4	5	5½
Aggregate Base	4	6	7	8	10
Compacted Subgrade	12	12	12	12	12

PORTLAND CEMENT CONCRETE PAVEMENTS (R=40)				
Materials	**Thickness (inches)**			
	Autos and Light Truck Traffic (TI = 6.0)	Truck Traffic		
		TI = 7.0	TI = 8.0	TI = 9.0
PCC	5	5½	6½	8
Compacted Subgrade (95% minimum compaction)	12	12	12	12

2.0 SCOPE OF SERVICES

The scope of services performed for this project was in accordance with our Proposal No. 22P126, dated January 24, 2022. The scope of services included a visual site reconnaissance, subsurface exploration, field and laboratory testing, and geotechnical engineering analysis to provide criteria for preparing the design of the building foundations, building floor slab, and parking lot pavements along with site preparation recommendations and construction considerations for the proposed development. The evaluation of the environmental aspects of this site was beyond the scope of services for this geotechnical investigation.

3.0 SITE AND PROJECT DESCRIPTION

3.1 Site Conditions

The subject site is located at the northwest corner of Poplar Street and Mesa Linda Street in Hesperia, California. The site is bounded to the north by vacant land, to the west by the proposed alignment of Lassen Road, to the south by Poplar Street and to the east by Mesa Linda Street. The general location of the site is illustrated on the Site Location Map, included as Plate 1 of this report.

The site consists of a rectangular-shaped parcel, 17.87± acres in size which is vacant and undeveloped. Ground surface cover consists of exposed soils with moderate native brush and shrub growth, and the site is sparsely populated with Joshua trees. Occasional scattered trash debris are present throughout the site. A small drainage course, about 1 to 3± feet in depth, is present in the center of the site, trending in the north-south direction.

Numerous dirt roads are present in various locations throughout the site, generally trending east-west. A dirt road trending north-south is also present along the east property line of the site.

Detailed topographic information was not available at the time of this report. Based on visual observations made at the time of the subsurface investigation and from elevation data obtained from Google Earth, the overall site topography generally slopes downward to the northeast at a gradient less than 2± percent. The highest elevation on the site is located in the southwestern area of the site, and the minimum site elevation is located in the northeastern region of the site. There was estimated to be an elevation differential of about 22± feet across the site.

3.2 Proposed Development

A conceptual site plan, prepared by RGA Office of Architectural Design (RGA), indicates that the site will be developed with one (1) new warehouse identified as Building 1. The building will be located in the central area of the site and will be 414,700± ft² in size. The building will be constructed with dock-high doors along most of the north building wall. The building will be surrounded by asphaltic concrete pavements in the automobile parking and drive areas and Portland cement concrete pavements in the truck court area. Several landscape planters and concrete flatwork will be included throughout the site.

Detailed structural information has not been provided. It is assumed that the new building will be a single-story structure of tilt-up concrete construction. Based on the assumed construction, maximum column and wall loads are expected to be on the order of 100 kips and 4 to 7 kips per linear foot, respectively.

No significant amounts of below-grade construction, such as basements or crawl spaces, are expected to be included in the proposed development. Based on the assumed topography, cuts and fills of 8 to 12± feet will be necessary to achieve the proposed site grades.

4.0 SUBSURFACE EXPLORATION

4.1 Scope of Exploration/Sampling Methods

The subsurface exploration performed for this project consisted of seven (7) borings (identified as Boring Nos. B-1 through B-7) advanced to depths of 15 to 30± feet below the existing site grades. All of the borings were logged during drilling by a member of our staff.

The borings were advanced with hollow-stem augers, by a conventional truck-mounted drilling rig. Representative bulk and relatively undisturbed soil samples were taken during drilling. Relatively undisturbed samples were taken with a split barrel "California Sampler" containing a series of one-inch-long, 2.416± inch diameter brass rings. This sampling method is described in ASTM Test Method D-3550. Samples were also taken using a 1.4±-inch inside diameter split spoon sampler, in general accordance with ASTM D-1586. Both of these samplers are driven into the ground with successive blows of a 140-pound weight falling 30 inches. The blow counts obtained during driving are recorded for further analysis. Bulk samples were collected in plastic bags to retain their original moisture content. The relatively undisturbed ring samples were placed in molded plastic sleeves that were then sealed and transported to our laboratory.

The approximate locations of the borings are indicated on the Boring Location Plan, included as Plate 2 in Appendix A of this report. The Boring Logs, which illustrate the conditions encountered at the boring locations, as well as the results of some of the laboratory testing, are included in Appendix B.

4.2 Geotechnical Conditions

Younger Alluvium

All of the borings encountered native younger alluvial soils at the ground surface, extending to depths ranging from 2½ to 5½± feet below existing site grades. These soils generally consist of loose to medium dense silty fine to coarse sands, loose fine to coarse sandy silts, and loose silty fine sands to fine sandy silts.

Older Alluvium

Native older alluvium was encountered beneath the younger alluvium at all of the boring locations, extending to at least the maximum explored depth of 30± feet below existing site grades. The older alluvial soils consist of medium dense to very dense silty fine to coarse sands, fine to medium sands, and fine to coarse sandy silts with varying quantities of fine to coarse gravel, traces of clay, and occasional cobbles. Calcareous veining and iron oxide staining were encountered in many of the recovered samples. Additionally, many samples of the older alluvial soils were weakly cemented, unlike the overlying younger alluvial soils, which were not observed to be significantly cemented.

Groundwater

Free water was not encountered during the drilling of any of the borings. Based on the lack of any water within the borings and the moisture contents of the recovered soil samples, the static groundwater table is considered to have existed at a depth in excess of 30± feet at the time of the subsurface exploration.

As part of our research, we also reviewed recent groundwater data available for wells within the vicinity of the site. Recent water level data was obtained from the California Department of Water Resources website, http://www.water.ca.gov/waterdatalibrary/. The nearest monitoring well with available records in this database is located approximately 4,400± feet northwest of the site. Water level readings within this monitoring well indicate a groundwater level of 600± feet below the ground surface in October 2020.

5.0 LABORATORY TESTING

The soil samples recovered from the subsurface exploration were returned to our laboratory for further testing to determine selected physical and engineering properties of the soils. The tests are briefly discussed below. It should be noted that the test results are specific to the actual samples tested, and variations could be expected at other locations and depths.

Classification

All recovered soil samples were classified using the Unified Soil Classification System (USCS), in accordance with ASTM D-2488. Field identifications were then supplemented with additional visual classifications and/or by laboratory testing. The USCS classifications are shown on the Boring Logs and are periodically referenced throughout this report.

Density and Moisture Content

The density has been determined for selected relatively undisturbed ring samples. These densities were determined in general accordance with the method presented in ASTM D-2937. The results are recorded as dry unit weight in pounds per cubic foot. The moisture contents are determined in accordance with ASTM D-2216, and are expressed as a percentage of the dry weight. These test results are presented on the Boring Logs.

Consolidation

Selected soil samples have been tested to determine their consolidation potential, in accordance with ASTM D-2435. The testing apparatus is designed to accept either natural or remolded samples in a one-inch-high ring, approximately 2.416 inches in diameter. Each sample is then loaded incrementally in a geometric progression and the resulting deflection is recorded at selected time intervals. Porous stones are in contact with the top and bottom of the sample to permit the addition or release of pore water. The samples are typically inundated with water at an intermediate load to determine their potential for collapse or heave. The results of the consolidation testing are plotted on Plates C-1 through C-4 in Appendix C of this report.

Maximum Dry Density and Optimum Moisture Content

A representative bulk sample of the near surface soils has been tested to determine its maximum dry density and optimum moisture content. The results have been obtained using the Modified Proctor procedure, per ASTM D-1557 and are presented on Plate C-5 in Appendix C of this report. This test is generally used to compare the in-situ densities of undisturbed field samples, and for later compaction testing. Additional testing of other soil types or soil mixes may be necessary at a later date.

Expansion Index

The expansion potential of the on-site soils was determined in general accordance with ASTM D-4829. The testing apparatus is designed to accept a 4-inch diameter, 1-in high, remolded sample. The sample is initially remolded to 50± 1 percent saturation and then loaded with a surcharge

equivalent to 144 pounds per square foot. The sample is then inundated with water and allowed to swell against the surcharge. The resultant swell or consolidation is recorded after a 24-hour period. The results of the EI testing are as follows:

Sample Identification	Expansion Index	Expansive Potential
B-1 @ 0 to 5 feet	7	Very Low

Soluble Sulfates

Representative samples of the near-surface soils were submitted to a subcontracted analytical laboratory for determination of soluble sulfate content. Soluble sulfates are naturally present in soils, and if the concentration is high enough, can result in degradation of concrete which comes into contact with these soils. The result of the soluble sulfate testing is presented below, and is discussed further in a subsequent section of this report.

Sample Identification	Soluble Sulfates (%)	Sulfate Classification
B-1 @ 0 to 5 feet	0.0124	Not Applicable (S0)
B-6 @ 0 to 5 feet	0.0116	Not Applicable (S0)

Corrosivity Testing

Representative bulk samples of the near-surface soils were submitted to a subcontracted corrosion engineering laboratory to determine if the near-surface soils possess corrosive characteristics with respect to common construction materials. The corrosivity testing included a determination of the electrical resistivity, pH, and chloride and nitrate concentrations of the soils, as well as other tests. The results of some of these tests are presented below.

Sample Identification	Saturated Resistivity (ohm-cm)	pH	Chlorides (mg/kg)	Nitrates (mg/kg)
B-1 @ 0 to 5 feet	16,750	7.7	54.2	14.9
B-6 @ 0 to 5 feet	17,420	7.9	52.2	10.4

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of our review, field exploration, laboratory testing and geotechnical analysis, the proposed development is considered feasible from a geotechnical standpoint. The recommendations contained in this report should be taken into the design, construction, and grading considerations.

The recommendations are contingent upon all grading and foundation construction activities being monitored by the geotechnical engineer of record. The recommendations are provided with the assumption that an adequate program of client consultation, construction monitoring, and testing will be performed during the final design and construction phases to verify compliance with these recommendations. Maintaining Southern California Geotechnical, Inc., (SCG) as the geotechnical consultant from the beginning to the end of the project will provide continuity of services. The geotechnical engineering firm providing testing and observation services shall assume the responsibility of Geotechnical Engineer of Record.

The Grading Guide Specifications, included as Appendix D, should be considered part of this report, and should be incorporated into the project specifications. The contractor and/or owner of the development should bring to the attention of the geotechnical engineer any conditions that differ from those stated in this report, or which may be detrimental for the development.

6.1 Seismic Design Considerations

The subject site is located in an area which is subject to strong ground motions due to earthquakes. The performance of a site-specific seismic hazards analysis was beyond the scope of this investigation. However, numerous faults capable of producing significant ground motions are located near the subject site. Due to economic considerations, it is not generally considered reasonable to design a structure that is not susceptible to earthquake damage. Therefore, significant damage to the structure may be unavoidable during large earthquakes. The proposed structure should, however, be designed to resist structural collapse and thereby provide reasonable protection from serious injury, catastrophic property damage and loss of life.

Faulting and Seismicity

Research of available maps indicates that the subject site is not located within an Alquist-Priolo Earthquake Fault Zone. Furthermore, SCG did not identify any evidence of faulting during the geotechnical investigation. Therefore, the possibility of significant fault rupture on the site is considered to be low.

The potential for other geologic hazards such as seismically induced settlement, lateral spreading, tsunamis, inundation, seiches, flooding, and subsidence affecting the site is considered low.

Seismic Design Parameters

The 2019 California Building Code (CBC) provides procedures for earthquake resistant structural design that include considerations for on-site soil conditions, occupancy, and the configuration of the structure including the structural system and height. The seismic design parameters presented below are based on the soil profile and the proximity of known faults with respect to the subject site. Based on standards in place at the time of this report, the proposed development is expected to be designed in accordance with the requirements of the 2019 edition of the California Building Code (CBC), which was adopted on January 1, 2020.

The 2019 CBC Seismic Design Parameters have been generated using the SEAOC/OSHPD Seismic Design Maps Tool, a web-based software application available at the website www.seismicmaps.org. This software application calculates seismic design parameters in accordance with several building code reference documents, including ASCE 7-16, upon which the 2019 CBC is based. The application utilizes a database of risk-targeted maximum considered earthquake (MCER) site accelerations at 0.01-degree intervals for each of the code documents. The tables below were created using data obtained from the application. The output generated from this program is included as Plate E-1 in Appendix E of this report.

The 2019 CBC requires that a site-specific ground motion study be performed in accordance with Section 11.4.8 of ASCE 7-16 for Site Class D sites with a mapped S1 value greater than 0.2. However, Section 11.4.8 of ASCE 7-16 also indicates an exception to the requirement for a site-specific ground motion hazard analysis for certain structures on Site Class D sites. The commentary for Section 11 of ASCE 7-16 (Page 534 of Section C11 of ASCE 7-16) indicates that "In general, this exception effectively limits the requirements for site-specific hazard analysis to very tall and or flexible structures at Site Class D sites." **Based on our understanding of the proposed development, the seismic design parameters presented below were calculated assuming that the exception in Section 11.4.8 applies to the proposed structure at this site. However, the structural engineer should verify that this exception is applicable to the proposed structure.** Based on the exception, the spectral response accelerations presented below were calculated using the site coefficients (Fa and Fv) from Tables 1613.2.3(1) and 1613.2.3(2) presented in Section 16.4.4 of the 2019 CBC.

2019 CBC SEISMIC DESIGN PARAMETERS

Parameter		Value
Mapped MCE_R Acceleration at 0.2 sec Period	S_S	1.500
Mapped MCE_R Acceleration at 1.0 sec Period	S_1	0.600
Site Class	---	D
Site Modified Spectral Acceleration at 0.2 sec Period	S_{MS}	1.500
Site Modified Spectral Acceleration at 1.0 sec Period	S_{M1}	1.020
Design Spectral Acceleration at 0.2 sec Period	S_{DS}	1.000
Design Spectral Acceleration at 1.0 sec Period	S_{D1}	0.680

It should be noted that the site coefficient F_v and the parameters S_{M1} and S_{D1} were not included in the SEAOC/OSHPD Seismic Design Maps Tool output for the 2019 CBC. We calculated these

parameters-based on Table 1613.2.3(2) in Section 16.4.4 of the 2019 CBC using the value of S_1 obtained from the Seismic Design Maps Tool, assuming that a site-specific ground motion hazards analysis is not required for the proposed building at this site.

Liquefaction

Liquefaction is the loss of the strength in generally cohesionless, saturated soils when the pore-water pressure induced in the soil by a seismic event becomes equal to or exceeds the overburden pressure. The primary factors which influence the potential for liquefaction include groundwater table elevation, soil type and grain size characteristics, relative density of the soil, initial confining pressure, and intensity and duration of ground shaking. The depth within which the occurrence of liquefaction may impact surface improvements is generally identified as the upper 50 feet below the existing ground surface. Liquefaction potential is greater in saturated, loose, poorly graded fine sands with a mean (d_{50}) grain size in the range of 0.075 to 0.2 mm (Seed and Idriss, 1971). Clayey (cohesive) soils or soils which possess clay particles (d<0.005mm) in excess of 20 percent (Seed and Idriss, 1982) are generally not considered to be susceptible to liquefaction, nor are those soils which are above the historic static groundwater table.

The California Geological Survey (CGS) has not yet conducted detailed seismic hazards mapping in the area of the subject site. The general liquefaction susceptibility of the site was determined by research of the San Bernardino County Land Use Plan, General Plan, Geologic Hazard Overlays. Map FH05 for the Baldy Mesa 7.5-Minute Quadrangle indicates that the subject site is not located within an area of liquefaction susceptibility. Based on the mapping performed by the county of San Bernardino and the lack of a historic high groundwater table within the upper 50± feet, liquefaction is not considered to be a design concern for this project.

6.2 Geotechnical Design Considerations

General

The near-surface soils encountered at the boring locations consist of native younger and older alluvial soils, possessing variable densities and strengths. The results of laboratory testing indicate that some of the near-surface soils possess a minor to moderate potential for hydrocollapse when inundated with water. Based on their variable strengths and densities and their potential for collapse, the near surface soils, in their present condition, are not considered suitable for the support of the new foundations and floor slab. Remedial grading is recommended within the area of the proposed building, in order to remove and replace a portion of the near surface soils as compacted structural fill.

Settlement

Laboratory testing indicates that some samples of soils taken from the near-surface native alluvial soils possess a minor collapse potential when exposed to moisture infiltration. The proposed remedial grading will remove the near-surface collapsible native soils from within the proposed building area. Therefore, following completion of the recommended grading, post-construction settlements are expected to be within tolerable limits.

Expansion

Laboratory testing performed on a representative sample of the near surface soils indicates that these materials possess a very low expansion potential (EI = 7). Therefore, no design considerations related to expansive soils are considered warranted for this site. It is recommended that additional expansion index testing be conducted at the completion of rough grading to verify the expansion potential of the as-graded building pad.

Soluble Sulfates

The results of the soluble sulfate testing indicate that the selected samples of the on-site soils correspond to Class S0 with respect to the American Concrete Institute (ACI) Publication 318-14 Building Code Requirements for Structural Concrete and Commentary, Section 4.3. Therefore, specialized concrete mix designs are not considered to be necessary, with regard to sulfate protection purposes. It is, however, recommended that additional soluble sulfate testing be conducted at the completion of rough grading to verify the soluble sulfate concentrations of the soils which are present at pad grade within the building area.

Corrosion Potential

The results of laboratory testing indicate that the bulk samples of the near-surface soils taken at two of the boring locations possess saturated resistivities of 16,750 and 17,420 ohm-cm, and pH values of 7.7 and 7.9. These test results have been evaluated in accordance with guidelines published by the Ductile Iron Pipe Research Association (DIPRA). The DIPRA guidelines consist of a point system by which characteristics of the soils are used to quantify the corrosivity characteristics of the site. Sulfides, and redox potential are factors that are also used in the evaluation procedure. We have evaluated the corrosivity characteristics of the on-site soils using resistivity, pH, and moisture content. Based on these factors, and utilizing the DIPRA procedure, the on-site soils are not considered to be corrosive to ductile iron pipe and other metallic improvements. However, SCG does not practice in the area of corrosion engineering, so the client may also wish to contact a corrosion engineer to provide a more thorough evaluation.

Relatively low concentrations of chlorides, 52.2 to 54.2 mg/kg, were detected in the samples submitted for corrosivity testing. In general, soils possessing chloride concentrations in excess of 500 parts per million (ppm) are considered to be corrosive with respect to steel reinforcement within reinforced concrete. Based on the relatively low chloride concentration in the tested sample, the site is considered to have a C1 chloride exposure in accordance with the American Concrete Institute (ACI) Publication 318 Building Code Requirements for Structural Concrete and Commentary. Therefore, a specialized concrete mix design for protection against chloride exposure is not considered warranted.

Nitrates present in soil can be corrosive to copper tubing at concentrations greater than 50 mg/kg. The tested samples possess nitrate concentrations of 10.4 and 14.9 mg/kg. Based on these test results, the on-site soils are not considered to be corrosive to copper pipe. Since SCG does not practice in the area of corrosion engineering the client could contact a corrosion engineer for a more thorough evaluation.

Shrinkage/Subsidence

Removal and recompaction of the near-surface native alluvial soils is estimated to result in an average shrinkage of 0 to 8± percent, based on the results of density testing and the assumption that the onsite soils will be compacted to about 92 percent of the ASTM D-1557 maximum dry density. It should be noted that the shrinkage estimate is based on the results of dry density testing performed on small-diameter samples of the existing soils taken at the boring locations. If a more accurate and precise shrinkage estimate is desired, SCG can perform a shrinkage study involving several excavated test-pits where in-place densities are determined using in-situ testing methods instead of laboratory density testing on small-diameter samples. Please contact SCG for details and a cost estimate regarding a shrinkage study, if desired.

Minor ground subsidence is expected to occur in the soils below the zone of removal, due to settlement and machinery working. The subsidence is estimated to be 0.1± feet. This estimate may be used for grading in areas that are underlain by native alluvial soils.

These estimates are based on previous experience and the subsurface conditions encountered at the boring locations. The actual amount of subsidence is expected to be variable and will be dependent on the type of machinery used, repetitions of use, and dynamic effects, all of which are difficult to assess precisely.

Grading and Foundation Plan Review

No grading or foundation plans were available at the time of this report. It is therefore recommended that we be provided with copies of the preliminary plans, when they become available, for review with regard to the conclusions, recommendations, and assumptions contained within this report.

6.3 Site Grading Recommendations

The grading recommendations presented below are based on the subsurface conditions encountered at the boring locations and our understanding of the proposed development. We recommend that all grading activities be completed in accordance with the Grading Guide Specifications included as Appendix D of this report, unless superseded by site-specific recommendations presented below.

Site Stripping

Vegetation including grasses, shrubs, and weeds on the site should be stripped and disposed of off-site. Stripping should include any organic soils and any root masses from trees. The actual extent of site stripping should be determined in the field by the geotechnical engineer, based on the organic content and stability of the materials encountered.

Treatment of Existing Soils: Building Pad

Remedial grading should be performed within the proposed building area in order to remove a portion of the near-surface native alluvial soils. Based on conditions encountered at the boring locations, the existing soils within the proposed building area are recommended to be

overexcavated to a depth of at least 4 feet below existing grade and to a depth of at least 3 feet below proposed building pad subgrade elevation, whichever is greater.

Additional overexcavation should be performed within the influence zones of the new foundations, to provide for a new layer of compacted structural fill extending to a depth of 2 feet below proposed foundation bearing grade.

The overexcavation area should extend at least 5 feet beyond the building foundations and perimeters. If the proposed structure incorporates any exterior columns (such as for a canopy or overhang) the area of overexcavation should also encompass these areas.

Following completion of the overexcavation, the subgrade soils within the building area should be evaluated by the geotechnical engineer to verify their suitability to serve as the structural fill subgrade, as well as to support the foundation loads of the new structure. This evaluation should include proofrolling and probing to identify any soft, loose, or otherwise unstable soils that must be removed. Some localized areas of deeper excavation may be required if loose, porous, or low-density native soils are encountered at the base of the overexcavation.

After a suitable overexcavation subgrade has been achieved, the exposed soils should be scarified to a depth of at least 12 inches, moisture conditioned to achieve a moisture content of 0 to 4 percent above optimum moisture content. The moisture conditioning of the overexcavation subgrade soils should be verified by the geotechnical engineer. The subgrade soils should then be recompacted to at least 90 percent of the ASTM D-1557 maximum dry density. The previously excavated soils may then be replaced as compacted structural fill.

Treatment of Existing Soils: Retaining Walls and Site Walls

The existing soils within the areas of any proposed retaining walls and non-retaining site walls should be overexcavated to a depth of 2 feet below foundation bearing grade and replaced as compacted structural fill, as discussed above for the proposed building pad. Any undocumented fill soils within any of these foundation areas should be removed in their entirety. The overexcavation areas should extend at least 5 feet beyond the foundation perimeters, and to an extent equal to the depth of fill below the new foundations. Any erection pads used to construct the walls are considered to be part of the foundation system with respect to these remedial grading recommendations. The overexcavation subgrade soils should be evaluated by the geotechnical engineer prior to scarifying, moisture conditioning, and recompacting the upper 12 inches of exposed subgrade soils. The previously excavated soils may then be replaced as compacted structural fill.

Treatment of Existing Soils: Parking and Drive Areas

Based on economic considerations, overexcavation of the existing variable strength alluvium soils in the new parking and drive areas is not considered warranted, with the exception of areas where lower strength or unstable soils are identified by the geotechnical engineer during grading.

Subgrade preparation in the new parking and drive areas should initially consist of removal of all soils disturbed during stripping and demolition operations. The geotechnical engineer should then evaluate the subgrade to identify any areas of additional unsuitable soils. The subgrade soils should then be scarified to a depth of 12± inches, moisture conditioned to 0 to 4 percent above

optimum, and recompacted to at least 90 percent of the ASTM D-1557 maximum dry density. Based on the presence of variable strength alluvial soils throughout the site, it is expected that some isolated areas of additional overexcavation may be required to remove zones of lower strength, unsuitable soils.

The grading recommendations presented above for the proposed parking and drive areas assume that the owner and/or developer can tolerate minor amounts of settlement within the proposed parking areas. The grading recommendations presented above do not completely mitigate the extent of existing fill soils and loose native soils in the parking areas. As such, settlement and associated pavement distress could occur. Typically, repair of such distressed areas involves significantly lower costs than completely mitigating these soils at the time of construction. If the owner cannot tolerate the risk of such settlements, the parking and drive areas should be overexcavated to a depth of 2 feet below proposed pavement subgrade elevation, with the resulting soils replaced as compacted structural fill.

Fill Placement

- Fill soils should be placed in thin (6± inches), near-horizontal lifts, moisture conditioned to within 0 to 4 percent above the optimum moisture content, and compacted.
- On-site soils may be used for fill provided they are cleaned of any debris to the satisfaction of the geotechnical engineer.
- All grading and fill placement activities should be completed in accordance with the requirements of the 2019 CBC and the grading code of the city of Hesperia.
- All fill soils should be compacted to at least 90 percent of the ASTM D-1557 maximum dry density.
- Compaction tests should be performed periodically by the geotechnical engineer as random verification of compaction and moisture content. These tests are intended to aid the contractor. Since the tests are taken at discrete locations and depths, they may not be indicative of the entire fill and therefore should not relieve the contractor of his responsibility to meet the job specifications.

Imported Structural Fill

All imported structural fill should consist of very low expansive (EI < 20), well graded soils possessing at least 10 percent fines (that portion of the sample passing the No. 200 sieve). Additional specifications for structural fill are presented in the Grading Guide Specifications, included as Appendix D.

Utility Trench Backfill

In general, all utility trench backfill soils should be compacted to at least 90 percent of the ASTM D-1557 maximum dry density. It is recommended that materials in excess of 3 inches in size not be used for utility trench backfill. Compacted trench backfill should conform to the requirements of the local grading code, and more restrictive requirements may be indicated by city of Hesperia. All utility trench backfills should be witnessed by the geotechnical engineer. The trench backfill soils should be compaction tested where possible; probed and visually evaluated elsewhere.

Utility trenches which parallel a footing, and extending below a 1h:1v plane projected from the outside edge of the footing should be backfilled with structural fill soils, compacted to at least 90 percent of the ASTM D-1557 standard. Pea gravel backfill should not be used for these trenches.

6.4 Construction Considerations

Moisture Sensitive Subgrade Soils

Occasional samples of the near-surface soils consist predominately of well-graded sands, silty sands and occasional sandy silts. These soils may become unstable if exposed to significant moisture infiltration or disturbance by construction traffic. If grading occurs during a period of relatively wet weather, an increase in subgrade instability in localized areas should also be expected. The site should, therefore, be graded to prevent ponding of surface water and to prevent water from running into excavations.

Excavation Considerations

The near surface soils are predominately granular in composition. These materials will likely be subject to caving within shallow excavations. Where caving occurs within shallow excavations, flattened excavation slopes may be sufficient to provide excavation stability. On a preliminary basis, the inclination of temporary slopes should not exceed 2h:1v. Maintaining adequate moisture content within the near-surface soils will improve excavation stability. All excavation activities on this site should be conducted in accordance with Cal-OSHA regulations.

Groundwater

Based on the conditions encountered at the boring locations, the static groundwater table at this site is considered to exist at a depth greater than 30± feet. Therefore, groundwater is not expected to impact the grading or foundation construction activities.

6.5 Foundation Design and Construction

Based on the preceding grading recommendations, it is assumed that the new building pad will be underlain by structural fill soils used to replace the upper portion of the existing variable strength, potentially collapsible alluvial soils. These new structural fill soils are expected to extend to depths of at least 2 feet below proposed foundation bearing grade. Based on this subsurface profile, the proposed structure may be supported on conventional shallow foundations.

Foundation Design Parameters

New square and rectangular footings may be designed as follows:

- Maximum, net allowable soil bearing pressure: 3,000 lbs/ft^2.
- Minimum wall/column footing width: 14 inches/24 inches.

- Minimum longitudinal steel reinforcement within strip footings: Two (2) No. 5 rebars (1 top and 1 bottom).

- Minimum foundation embedment: 12 inches into suitable structural fill soils, and at least 18 inches below adjacent exterior grade. Interior column footings may be placed immediately beneath the floor slab.

- It is recommended that the perimeter building foundations be continuous across all exterior doorways. Any flatwork adjacent to the exterior doors should be doweled into the perimeter foundations in a manner determined by the structural engineer.

The allowable bearing pressure presented above may be increased by one-third when considering short duration wind or seismic loads. The minimum steel reinforcement recommended above is based on geotechnical considerations; additional reinforcement may be necessary for structural considerations. The actual design of the foundations should be determined by the structural engineer.

Foundation Construction

The foundation subgrade soils should be evaluated at the time of overexcavation, as discussed in Section 6.3 of this report. It is further recommended that the foundation subgrade soils be evaluated by the geotechnical engineer immediately prior to steel or concrete placement. Soils suitable for direct foundation support should consist of newly placed structural fill, compacted to at least 90 percent of the ASTM D-1557 maximum dry density. Any unsuitable materials should be removed to a depth of suitable bearing compacted structural fill, with the resulting excavations backfilled with compacted fill soils. As an alternative, lean concrete slurry (500 to 1,500 psi) may be used to backfill such isolated overexcavations.

The foundation subgrade soils should also be properly moisture conditioned to 0 to 4 percent above the Modified Proctor optimum, to a depth of at least 12 inches below bearing grade. Since it is typically not feasible to increase the moisture content of the floor slab and foundation subgrade soils once rough grading has been completed, care should be taken to maintain the moisture content of the building pad subgrade soils throughout the construction process.

Estimated Foundation Settlements

Post-construction total and differential settlements of shallow foundations designed and constructed in accordance with the previously presented recommendations are estimated to be less than 1.0 and 0.5 inches, respectively. Differential movements are expected to occur over a 50-foot span, thereby resulting in an angular distortion of less than 0.002 inches per inch.

Lateral Load Resistance

Lateral load resistance will be developed by a combination of friction acting at the base of foundations and slabs and the passive earth pressure developed by footings below grade. The following friction and passive pressure may be used to resist lateral forces:

- Passive Earth Pressure: 300 lbs/ft^3
- Friction Coefficient: 0.30

These are allowable values, and include a factor of safety. When combining friction and passive resistance, the passive pressure component should be reduced by one-third. These values assume that footings will be poured directly against compacted structural fill. The maximum allowable passive pressure is 2,500 lbs/ft^2.

6.6 Floor Slab Design and Construction

Subgrades which will support new floor slab should be prepared in accordance with the recommendations contained in the ***Site Grading Recommendations*** section of this report. Based on the anticipated grading which will occur at this site, the floor of the new structure may be constructed as a conventional slab-on-grade supported on newly placed structural fill soils. These fill soils are expected to extend to a depth of at least 3 feet below finished pad grade. Based on geotechnical considerations, the floor slabs may be designed as follows:

- Minimum slab thickness: 6 inches.

- Modulus of Subgrade Reaction: k = 150 psi/in

- Minimum slab reinforcement: Reinforcement is not required for geotechnical conditions. The actual floor slab reinforcement should be determined by the structural engineer, based upon the imposed loading.

- Slab underlayment: If moisture sensitive floor coverings will be used the minimum slab underlayment should consist of a moisture vapor barrier constructed below the entire area where such moisture sensitive floor coverings are anticipated. The moisture vapor barrier should meet or exceed the Class A rating as defined by ASTM E 1745-97 and have a permeance rating less than 0.01 perms as described in ASTM E 96-95 and ASTM E 154-88. A polyolefin material such as a 15 mil. Stego® Wrap Vapor Barrier or equivalent will meet these specifications. The moisture vapor barrier should be properly constructed in accordance with all applicable manufacturer specifications. The need for sand and/or the amount of sand above the moisture vapor barrier should be specified by the structural engineer or concrete contractor. The selection of sand above the barrier is not a geotechnical engineering issue and hence outside our purview.

- Moisture condition the floor slab subgrade soils to 0 to 4 percent above the Modified Proctor optimum moisture content, to a depth of 12 inches. The moisture content of the floor slab subgrade soils should be verified by the geotechnical engineer within 24 hours prior to concrete placement.

- Proper concrete curing techniques should be utilized to reduce the potential for slab curling or the formation of excessive shrinkage cracks.

The actual design of the floor slab should be completed by the structural engineer to verify adequate thickness and reinforcement.

6.7 Retaining Wall Design and Construction

Small retaining walls are expected to be necessary in the area of the new truck loading docks and may also be required to facilitate the new site grades. The parameters recommended for use in the design of these walls are presented below.

Retaining Wall Design Parameters

Based on the soil conditions encountered at the boring locations, the following parameters may be used in the design of new retaining walls for this site. We have provided parameters assuming the use of on-site soils for retaining wall backfill. The near-surface soils generally consist of well-graded sands and silty sands. Based on their classifications the on-site soils are expected to possess an internal angle of friction of at least 32 degrees when compacted to 90 percent of the ASTM D-1557 maximum dry density.

If desired, SCG could provide design parameters for an alternative select backfill material behind the retaining walls. The use of select backfill material could result in lower lateral earth pressures. In order to use the design parameters for the imported select fill, this material must be placed within the entire active failure wedge. This wedge is defined as extending from the heel of the retaining wall upwards at an angle of approximately 60° from horizontal. If select backfill material behind the retaining wall is desired, SCG should be contacted for supplementary recommendations.

RETAINING WALL DESIGN PARAMETERS

Design Parameter		**Soil Type**
		On-Site Sands and Silty Sands
Internal Friction Angle (ϕ)		32°
Unit Weight		132 lbs/ft^3
Equivalent Fluid Pressure:	Active Condition (level backfill)	41 lbs/ft^3
	Active Condition (2h:1v backfill)	62 lbs/ft^3
	At-Rest Condition (level backfill)	62 lbs/ft^3

The walls should be designed using a soil-footing coefficient of friction of 0.30 and an equivalent passive pressure of 300 lbs/ft^3. The structural engineer should incorporate appropriate factors of safety in the design of the retaining walls.

The active earth pressure may be used for the design of retaining walls that do not directly support structures or support soils that in turn support structures and which will be allowed to deflect. The at-rest earth pressure should be used for walls that will not be allowed to deflect such as those which will support foundation bearing soils, or which will support foundation loads directly.

Where the soils on the toe side of the retaining wall are not covered by a "hard" surface such as a structure or pavement, the upper 1 foot of soil should be neglected when calculating passive resistance due to the potential for the material to become disturbed or degraded during the life of the structure.

Retaining Wall Foundation Design

The retaining wall foundations should be supported within newly placed structural fill. Foundations to support new retaining walls should be designed in accordance with the general Foundation Design Parameters presented in a previous section of this report.

Seismic Lateral Earth Pressures

In accordance with the 2019 CBC, any retaining walls more than 6 feet in height must be designed for seismic lateral earth pressures. If walls 6 feet or more are required for this site, the geotechnical engineer should be contacted for supplementary seismic lateral earth pressure recommendations.

Backfill Material

On-site soils may be used to backfill the retaining walls. However, all backfill material placed within 3 feet of the back-wall face should have a particle size no greater than 3 inches. The retaining wall backfill materials should be well graded.

It is recommended that a properly installed prefabricated drainage composite such as the MiraDRAIN 6000XL (or approved equivalent), which is specifically designed for use behind retaining walls, be placed against the face on the back side of the retaining walls. This material should extend from the top of the retaining wall footing to within 1 foot of the ground surface on the back side of the retaining wall. A 12-inch-thick layer of a low permeability soil should be placed over the backfill to reduce surface water migration to the underlying soils.

All retaining wall backfill should be placed and compacted under engineering-controlled conditions in the necessary layer thicknesses to ensure an in-place density between 90 and 93 percent of the maximum dry density as determined by the Modified Proctor test (ASTM D1557-91). Care should be taken to avoid over-compaction of the soils behind the retaining walls, and the use of heavy compaction equipment should be avoided.

Subsurface Drainage

As previously indicated, the retaining wall design parameters are based upon drained backfill conditions. Consequently, some form of permanent drainage system will be necessary in conjunction with the appropriate backfill material. Subsurface drainage may consist of either:

- A weep hole drainage system typically consisting of a series of 4-inch diameter holes in the wall situated slightly above the ground surface elevation on the exposed side of the wall and at an approximate 8-foot on-center spacing. The weep holes should include a 2 cubic foot pocket of open graded gravel, surrounded by an approved geotextile fabric, at each weep hole location.

- A 4-inch diameter perforated pipe surrounded by 2 cubic feet of gravel per linear foot of drain placed behind the wall, above the retaining wall footing. The gravel layer should be wrapped in a suitable geotextile fabric to reduce the potential for migration of fines. The footing drain should be extended to daylight or tied into a storm drainage system.

6.8 Pavement Design Parameters

Site preparation in the pavement area should be completed as previously recommended in the ***Site Grading Recommendations*** section of this report. The subsequent pavement recommendations assume proper drainage and construction monitoring, and are based on either PCA or CALTRANS design parameters for a twenty (20) year design period. However, these designs also assume a routine pavement maintenance program to obtain the anticipated 20-year pavement service life.

Pavement Subgrades

It is anticipated that the new pavements will be primarily supported on a layer of compacted structural fill, consisting of scarified, thoroughly moisture conditioned and recompacted existing soils. The on-site soils generally consist of silty sands and sandy silts. Based on their classification, these materials are expected to possess good to excellent pavement support characteristics, with R-values in the range of 40 to 50. Since R-value testing was not included in the scope of services for this project, the subsequent pavement design is based upon an assumed R-value of 40. Any fill material imported to the site should have support characteristics equal to or greater than that of the on-site soils and be placed and compacted under engineering-controlled conditions. It is recommended that R-value testing be performed after completion of rough grading. Depending upon the results of the R-value testing, it may be feasible to use thinner pavement sections in some areas of the site.

Asphaltic Concrete

Presented below are the recommended thicknesses for new flexible pavement structures consisting of asphaltic concrete over a granular base. The pavement designs are based on the traffic indices (TI's) indicated. The client and/or civil engineer should verify that these TI's are representative of the anticipated traffic volumes. If the client and/or civil engineer determine that the expected traffic volume will exceed the applicable traffic index, we should be contacted for supplementary recommendations. The design traffic indices equate to the following approximate daily traffic volumes over a 20-year design life, assuming six operational traffic days per week.

Traffic Index	No. of Heavy Trucks per Day
4.0	0
5.0	1
6.0	3
7.0	11
8.0	35
9.0	93

For the purpose of the traffic volumes indicated above, a truck is defined as a 5-axle tractor trailer unit with one 8-kip axle and two 32-kip tandem axles. All of the traffic indices allow for 1,000 automobiles per day.

ASPHALT PAVEMENTS (R=40)					
Materials	**Thickness (inches)**				
	Auto Parking and Auto Drive Lanes (TI = 4.0 to 5.0)	Truck Traffic			
		TI = 6.0	TI = 7.0	TI = 8.0	TI = 9.0
Asphalt Concrete	3	3½	4	5	5½
Aggregate Base	4	6	7	8	10
Compacted Subgrade	12	12	12	12	12

The aggregate base course should be compacted to at least 95 percent of the ASTM D-1557 maximum dry density. The asphaltic concrete should be compacted to at least 95 percent of the Marshall maximum density, as determined by ASTM D-2726. The aggregate base course may consist of crushed aggregate base (CAB) or crushed miscellaneous base (CMB), which is a recycled gravel, asphalt and concrete material. The gradation, R-Value, Sand Equivalent, and Percentage Wear of the CAB or CMB should comply with appropriate specifications contained in the current edition of the "Greenbook" Standard Specifications for Public Works Construction.

Portland Cement Concrete

The preparation of the subgrade soils within concrete pavement areas should be performed as previously described for proposed asphalt pavement areas. The minimum recommended thicknesses for the Portland Cement Concrete pavement sections are as follows:

PORTLAND CEMENT CONCRETE PAVEMENTS (R=40)				
Materials	**Thickness (inches)**			
	Autos and Light Truck Traffic (TI = 6.0)	Truck Traffic		
		TI = 7.0	TI = 8.0	TI = 9.0
PCC	5	5½	6½	8
Compacted Subgrade (95% minimum compaction)	12	12	12	12

The concrete should have a 28-day compressive strength of at least 3,000 psi. Any reinforcement within the PCC pavements should be determined by the project structural engineer. The maximum joint spacing within all of the PCC pavements is recommended to be equal to or less than 30 times the pavement thickness.

7.0 GENERAL COMMENTS

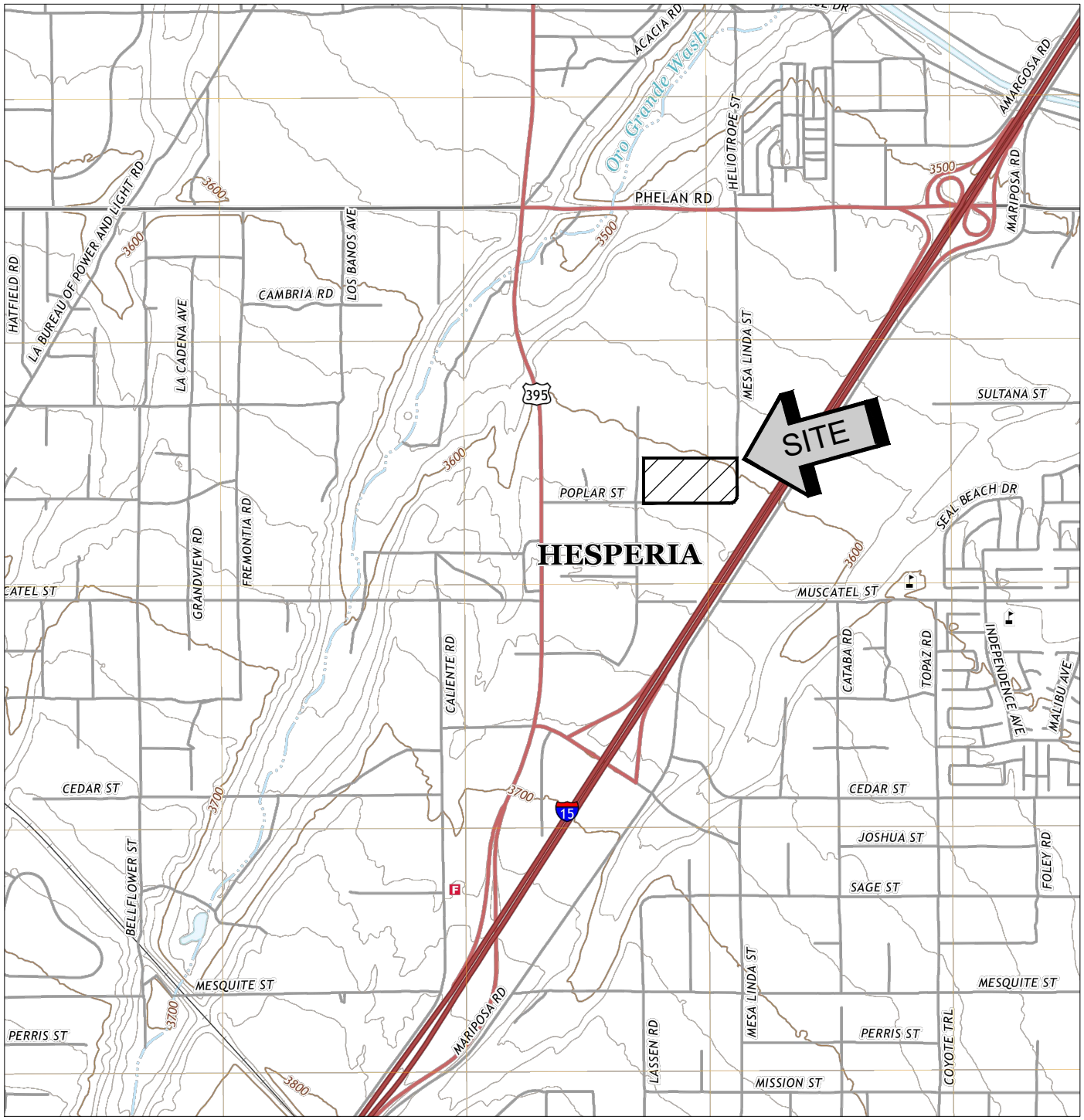
This report has been prepared as an instrument of service for use by the client, in order to aid in the evaluation of this property and to assist the architects and engineers in the design and preparation of the project plans and specifications. This report may be provided to the contractor(s) and other design consultants to disclose information relative to the project. However, this report is not intended to be utilized as a specification in and of itself, without appropriate interpretation by the project architect, civil engineer, and/or structural engineer. The reproduction and distribution of this report must be authorized by the client and Southern California Geotechnical, Inc. Furthermore, any reliance on this report by an unauthorized third party is at such party's sole risk, and we accept no responsibility for damage or loss which may occur. The client(s)' reliance upon this report is subject to the Engineering Services Agreement, incorporated into our proposal for this project.

The analysis of this site was based on a subsurface profile interpolated from limited discrete soil samples. While the materials encountered in the project area are considered to be representative of the total area, some variations should be expected between boring locations and sample depths. If the conditions encountered during construction vary significantly from those detailed herein, we should be contacted immediately to determine if the conditions alter the recommendations contained herein.

This report has been based on assumed or provided characteristics of the proposed development. It is recommended that the owner, client, architect, structural engineer, and civil engineer carefully review these assumptions to ensure that they are consistent with the characteristics of the proposed development. If discrepancies exist, they should be brought to our attention to verify that they do not affect the conclusions and recommendations contained herein. We also recommend that the project plans and specifications be submitted to our office for review to verify that our recommendations have been correctly interpreted.

The analysis, conclusions, and recommendations contained within this report have been promulgated in accordance with generally accepted professional geotechnical engineering practice. No other warranty is implied or expressed.

APPENDIX A



SOURCE: USGS TOPOGRAPHIC MAP OF THE BALD□ MESA □UADRANGLE, RI□ERSIDE COUNT□, CALIFORNIA, 2□21.

SITE LOCATION MAP

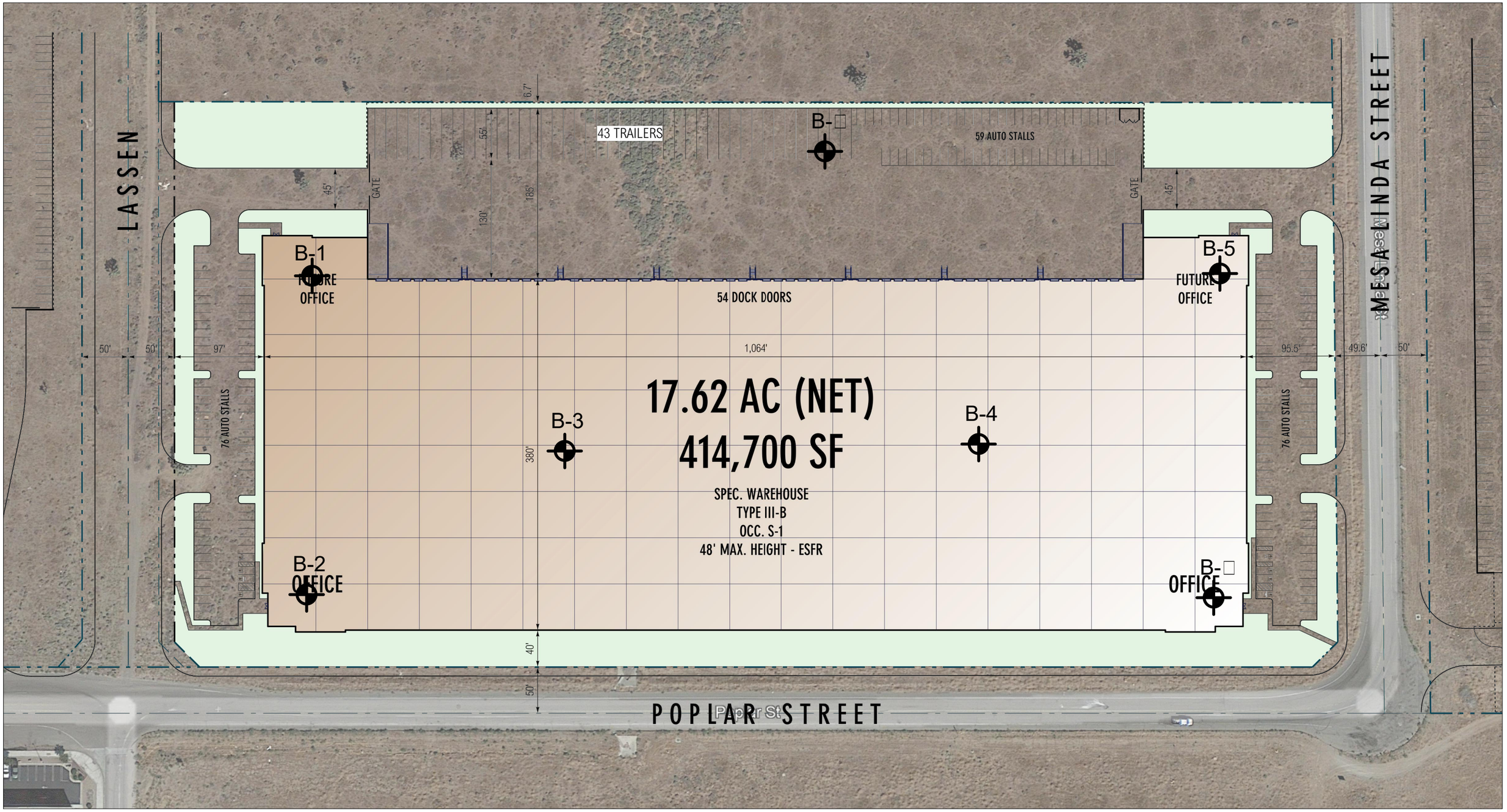
PROPOSED I-15 BUSINESS PARK-BUILDING 3

HESPERIA, CALIFORNIA

SCALE: 1" □ 2□□□□	
DRAWN: MD CHKD: DN	
SCG PROJECT 22G134-1	
PLATE 1	

SoCalGeo

SOUTHERN CALIFORNIA GEOTECHNICAL



GEOTECHNICAL LEGEND

APPRO□IMATE BORING LOCATION

SITE BOUNDAR□

NOTE: CONCEPTUAL SITE PLAN PREPARED B□ RGA ARCHITECTS.
AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH.

BORING LOCATION PLAN

PROPOSED I-15 BUSINESS PARK-BUILDING 3

HESPERIA, CALIFORNIA

SCALE: 1" □1□□□

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CHKD: DN

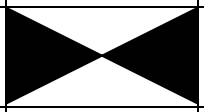
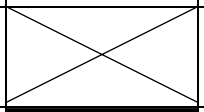
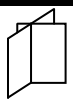
SCG PROJECT
22G134-1

PLATE 2

SOUTHERN CALIFORNIA GEOTECHNICAL

APPENDIX B

BORING LOG LEGEND

SAMPLE TYPE	GRAPHICAL SYMBOL	SAMPLE DESCRIPTION
AUGER		SAMPLE COLLECTED FROM AUGER CUTTINGS, NO FIELD MEASUREMENT OF SOIL STRENGTH. (DISTURBED)
CORE		ROCK CORE SAMPLE: TYPICALLY TAKEN WITH A DIAMOND-TIPPED CORE BARREL. TYPICALLY USED ONLY IN HIGHLY CONSOLIDATED BEDROCK.
GRAB		SOIL SAMPLE TAKEN WITH NO SPECIALIZED EQUIPMENT, SUCH AS FROM A STOCKPILE OR THE GROUND SURFACE. (DISTURBED)
CS		CALIFORNIA SAMPLER: 2-1/2 INCH I.D. SPLIT BARREL SAMPLER, LINED WITH 1-INCH HIGH BRASS RINGS. DRIVEN WITH SPT HAMMER. (RELATIVELY UNDISTURBED)
NSR		NO RECOVERY: THE SAMPLING ATTEMPT DID NOT RESULT IN RECOVERY OF ANY SIGNIFICANT SOIL OR ROCK MATERIAL.
SPT		STANDARD PENETRATION TEST: SAMPLER IS A 1.4 INCH INSIDE DIAMETER SPLIT BARREL, DRIVEN 18 INCHES WITH THE SPT HAMMER. (DISTURBED)
SH		SHELBY TUBE: TAKEN WITH A THIN WALL SAMPLE TUBE, PUSHED INTO THE SOIL AND THEN EXTRACTED. (UNDISTURBED)
VANE		VANE SHEAR TEST: SOIL STRENGTH OBTAINED USING A 4 BLADED SHEAR DEVICE. TYPICALLY USED IN SOFT CLAYS-NO SAMPLE RECOVERED.

COLUMN DESCRIPTIONS

DEPTH: Distance in feet below the ground surface.

SAMPLE: Sample Type as depicted above.

BLOW COUNT: Number of blows required to advance the sampler 12 inches using a 140 lb hammer with a 30-inch drop. 50/3" indicates penetration refusal (>50 blows) at 3 inches. WH indicates that the weight of the hammer was sufficient to push the sampler 6 inches or more.

POCKET PEN.: Approximate shear strength of a cohesive soil sample as measured by pocket penetrometer.

GRAPHIC LOG: Graphic Soil Symbol as depicted on the following page.

DRY DENSITY: Dry density of an undisturbed or relatively undisturbed sample in lbs/ft^3.

MOISTURE CONTENT: Moisture content of a soil sample, expressed as a percentage of the dry weight.

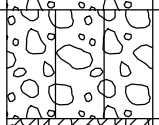
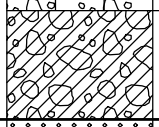
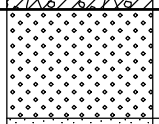
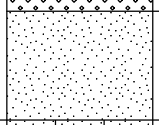
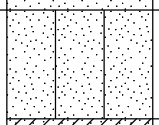
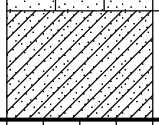
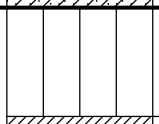
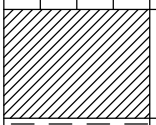
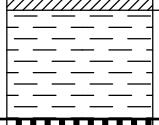
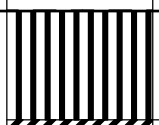
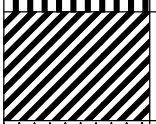
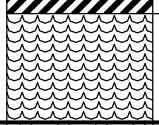
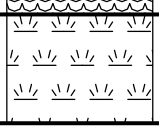
LIQUID LIMIT: The moisture content above which a soil behaves as a liquid.

PLASTIC LIMIT: The moisture content above which a soil behaves as a plastic.

PASSING #200 SIEVE: The percentage of the sample finer than the #200 standard sieve.

UNCONFINED SHEAR: The shear strength of a cohesive soil sample, as measured in the unconfined state.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-1

JOB NO.: 22G134-1
PROJECT: Poplar 18 Industrial Park
LOCATION: Hesperia, California

DRILLING DATE: 2/15/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 28 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		17			YOUNGER ALLUVIUM: Brown Silty fine to coarse Sand, trace fine Gravel, medium dense-damp	115	4					EI = 7 @ 0-5'
		22			OLDER ALLUVIUM: Light Brown Silty fine to coarse Sand to fine to coarse Sandy Silt, trace fine Gravel, trace Clay, weakly cemented, medium dense-dry to damp	108	3					
5		44				115	3					
		37				102	3					
		27				110	3					
10												
		29					3					
15												
		21			Light Brown fine to coarse Sandy Silt, little Calcareous veining, medium dense-damp		6					
20												
		32			Light Brown Silty fine to coarse Sand, little Calcareous veining, dense-damp		4					
25												
		25			Light Brown fine to coarse Sand, little Silt, medium dense-damp		5					
30					Boring Terminated at 30'							

TBL 22G134-1.GPJ SOCALGEO.GDT 4/8/22

TEST BORING LOG

PLATE B-1

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-2

JOB NO.: 22G134-1
PROJECT: Poplar 18 Industrial Park
LOCATION: Hesperia, California

DRILLING DATE: 2/15/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 21 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		9			YOUNGER ALLUVIUM: Light Brown Silty fine Sand to fine Sandy Silt, trace medium to coarse Sand, trace fine Gravel, loose-dry		2					
		16			Light Brown Silty fine to coarse Sand, medium dense-dry		2					
5		19			OLDER ALLUVIUM: Light Brown SIlty fine to coarse Sand, trace Calcareous veining, medium dense-dry		2					
		37			@ 8½ feet, dense, damp		3					
10												
					Brown fine to coarse Sand, trace to little Silt, medium dense-dry to damp							
		21					2					
15												
		26			@ 18½ feet, little Silt		2					
20												
		29					4					
25					Boring Terminated at 25'							

TBL 22G134-1.GPJ SOCALGEO.GDT 4/8/22

TEST BORING LOG

PLATE B-2

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-3

JOB NO.: 22G134-1
PROJECT: Poplar 18 Industrial Park
LOCATION: Hesperia, California

DRILLING DATE: 2/15/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 14 feet
READING TAKEN: At Completion

FIELD RESULTS					DESCRIPTION	LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	SURFACE ELEVATION: MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		12			YOUNGER ALLUVIUM: Brown Silty fine to medium Sand, trace coarse Sand, trace fine Gravel, medium dense-dry		2					
		21			OLDER ALLUVIUM: Light Brown Silty fine to medium Sand, trace fine Gravel, weakly cemented, dry to damp		3					
5		23					4					
		30			@ 8½ feet, little coarse Sand, dense		3					
10					Brown fine to coarse Sand, trace to little Silt, medium dense-dry							
		19					2					
15					Boring Terminated at 15'							

TBL 22G134-1.GPJ SOCALGEO.GDT 4/8/22

TEST BORING LOG

PLATE B-3

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-4

JOB NO.: 22G134-1
PROJECT: Poplar 18 Industrial Park
LOCATION: Hesperia, California

DRILLING DATE: 2/15/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 14 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		32			YOUNGER ALLUVIUM: Brown Silty fine to coarse Sand, trace fine Gravel, medium dense-dry	113	2					
		56			OLDER ALLUVIUM: Light Brown Silty fine to coarse Sand, trace Calcareous veining, trace fine Gravel, medium dense-damp	113	3					
5		53			Light Brown fine to coarse Sandy Silt to Silty fine to coarse Sand, weakly cemented, dense-dry to damp	118	3					
		40			@ 7 feet, medium dense	106	2					
		32			Light Brown Silty fine to coarse Sand, medium dense-dry	118	2					
10												
		20			Brown Silty fine to coarse Sand, trace fine to coarse Gravel, medium dense-dry		2					
15					Boring Terminated at 15'							

TBL 22G134-1.GPJ SOCALGEO.GDT 4/8/22

TEST BORING LOG

PLATE B-4

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-5

JOB NO.: 22G134-1
PROJECT: Poplar 18 Industrial Park
LOCATION: Hesperia, California

DRILLING DATE: 2/15/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 16 feet
READING TAKEN: At Completion

FIELD RESULTS					DESCRIPTION	LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	SURFACE ELEVATION: MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		7			YOUNGER ALLUVIUM: Brown SIlty fine to medium Sand, trace coarse Sand, trace fine Gravel, loose to medium dense-dry to damp		4					
		12					2					
5		37			OLDER ALLUVIUM: Brown Silty fine to coarse Sand, trace fine Gravel, medium dense to dense-dry to damp		3					
		11					6					
10					Brown fine to coarse Sand, trace Silt, medium dense-dry to damp							
		18					3					
15					Brown Silty fine to coarse Sand, trace Clay, medium dense-damp							
		25					6					
20					Boring Terminated at 20'							

TBL 22G134-1.GPJ SOCALGEO.GDT 4/8/22

TEST BORING LOG **PLATE B-5**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-6

JOB NO.: 22G134-1
PROJECT: Poplar 18 Industrial Park
LOCATION: Hesperia, California

DRILLING DATE: 2/15/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 25 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		27			YOUNGER ALLUVIUM: Light Brown fine to coarse Sandy Silt, trace fine Root fibers, trace fine Gravel, loose to medium dense-dry to damp	118	3					EI = 1 @ 0-5'
		14				116	2					
5		27			OLDER ALLUVIUM: Light Brown Silty fine to coarse Sand, trace fine Gravel, medium dense-dry to damp	113	2					
		30				117	3					
		41			Brown fine to coarse Sand, trace fine to coarse Gravel, trace Silt, medium dense-dry to damp	93	2					
10												
		27					5					
15												
		23			@ 18½ feet, trace to little Silt		4					
20												
					Light Brown fine Sandy Silt, with 3-inch Silty Clay lense, trace Iron Oxide staining, trace medium Sand, medium dense-moist							
		16					10					
25												
					Light Brown fine to coarse Sand, trace Silt, trace Iron Oxide staining, medium dense-damp							
		15					3					
30												
					Boring Terminated at 30'							

TBL 22G134-1.GPJ SOCALGEO.GDT 4/8/22

TEST BORING LOG

PLATE B-6

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-7

JOB NO.: 22G134-1
PROJECT: Poplar 18 Industrial Park
LOCATION: Hesperia, California

DRILLING DATE: 2/15/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 18 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		14			YOUNGER ALLUVIUM: Brown Silty fine to medium Sand, trace coarse Sand, trace fine Gravel, medium dense-dry		2					
		18			OLDER ALLUVIUM: Light Brown Silty fine to coarse Sand, trace fine Gravel, medium dense to very dense-dry to damp		2					
5		77/11"					3					
		28					3					
10												
		26					6					
15												
		33			@ 18½ feet, trace fine to coarse gravel		4					
20					Boring Terminated at 20'							

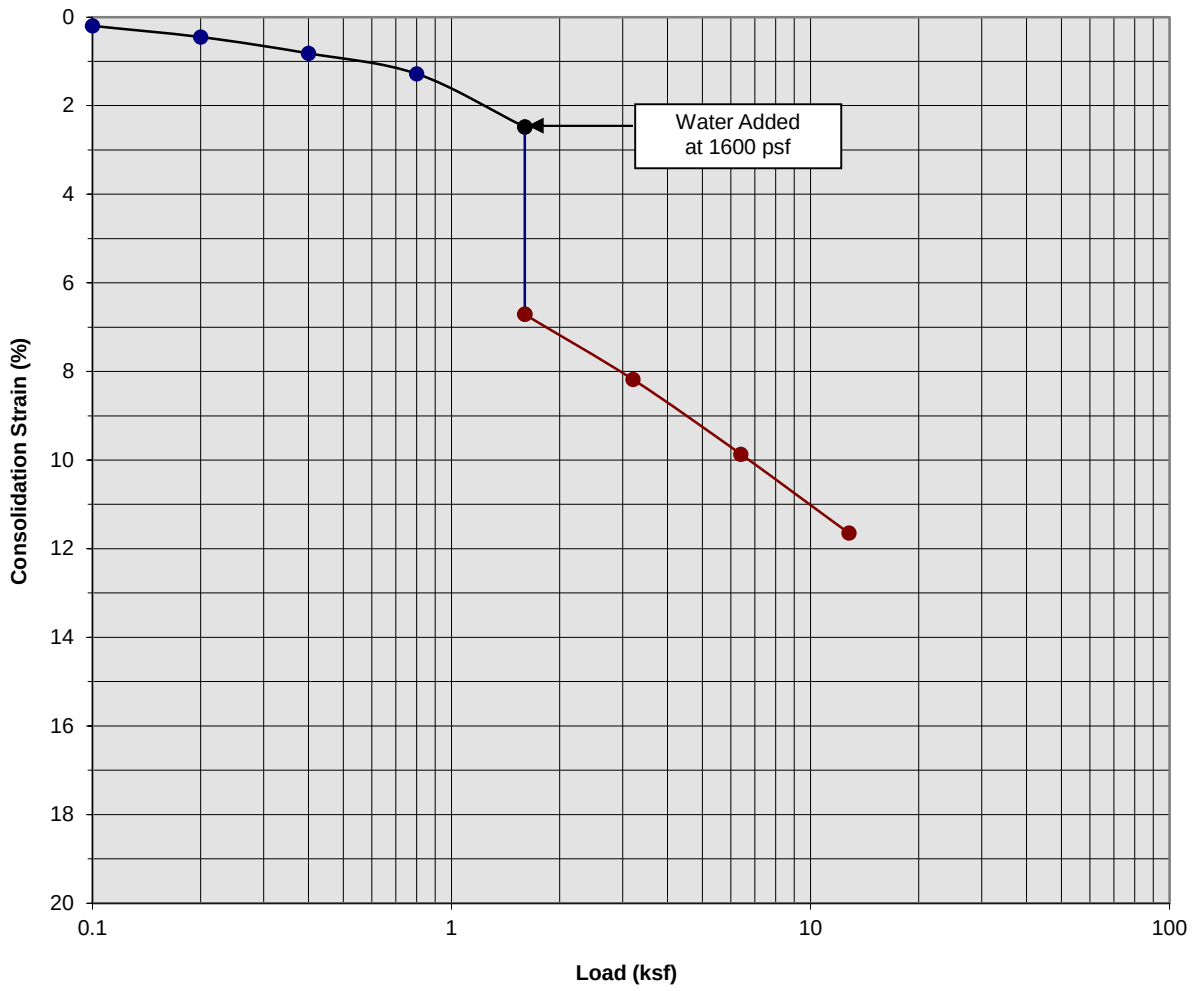
TBL 22G134-1.GPJ SOCALGEO.GDT 4/8/22

TEST BORING LOG

PLATE B-7

APPENDIX C

Consolidation/Collapse Test Results



Classification: Light Brown Silty fine to coarse Sand to fine to coarse Sandy Silt

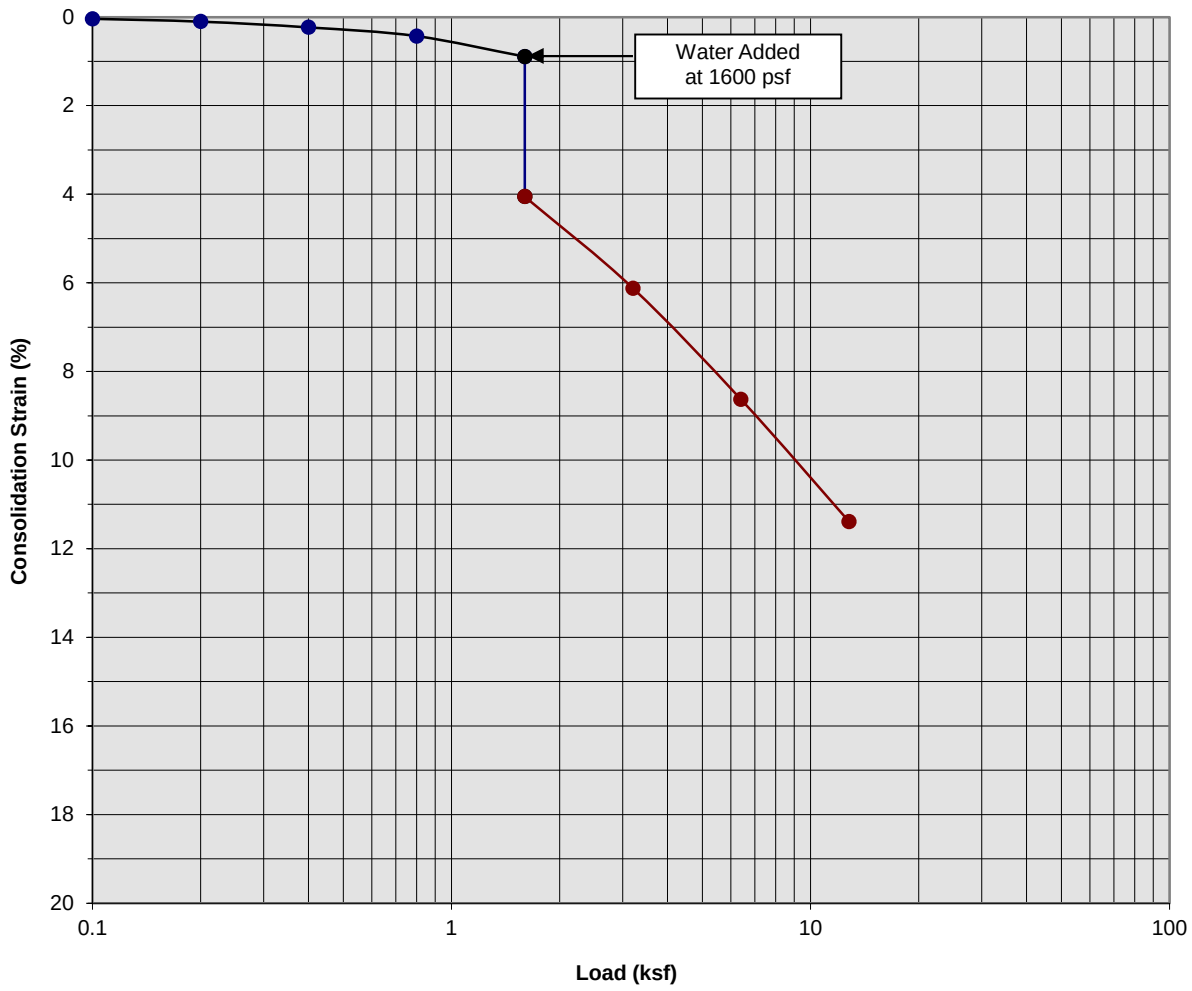
Boring Number:	B-1	Initial Moisture Content (%)	3
Sample Number:	---	Final Moisture Content (%)	12
Depth (ft)	3 to 4	Initial Dry Density (pcf)	107.6
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	121.2
Specimen Thickness (in)	1.0	Percent Collapse (%)	4.23

Poplar 18 Industrial Park
Hesperia, California
Project No. 22G134-1

PLATE C- 1

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: Light Brown Silty fine to coarse Sand to fine to coarse Sandy Silt

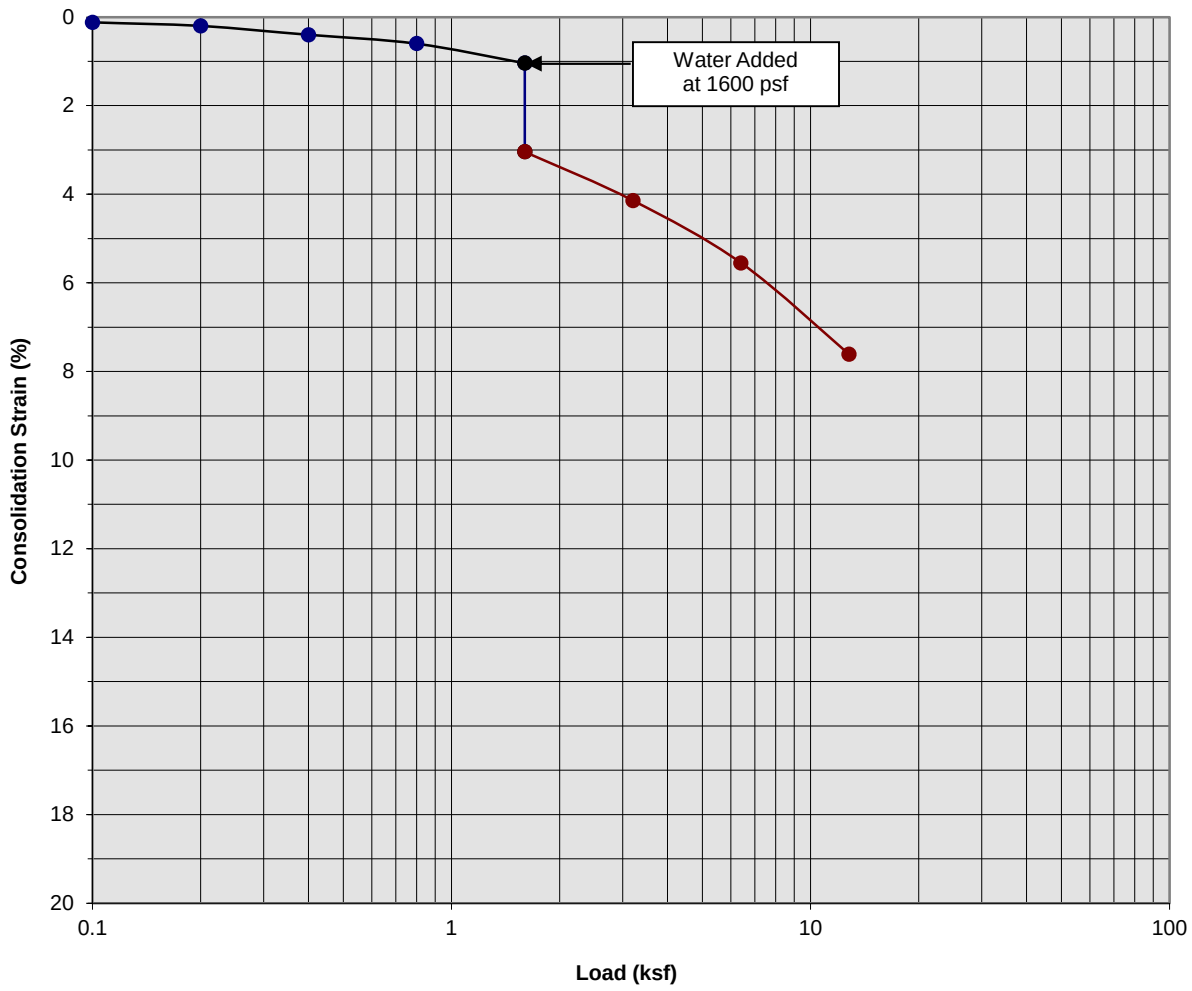
Boring Number:	B-1	Initial Moisture Content (%)	3
Sample Number:	---	Final Moisture Content (%)	11
Depth (ft)	5 to 6	Initial Dry Density (pcf)	114.1
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	128.8
Specimen Thickness (in)	1.0	Percent Collapse (%)	3.16

Poplar 18 Industrial Park
Hesperia, California
Project No. 22G134-1

PLATE C- 2

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: Light Brown Silty fine to coarse Sand to fine to coarse Sandy Silt

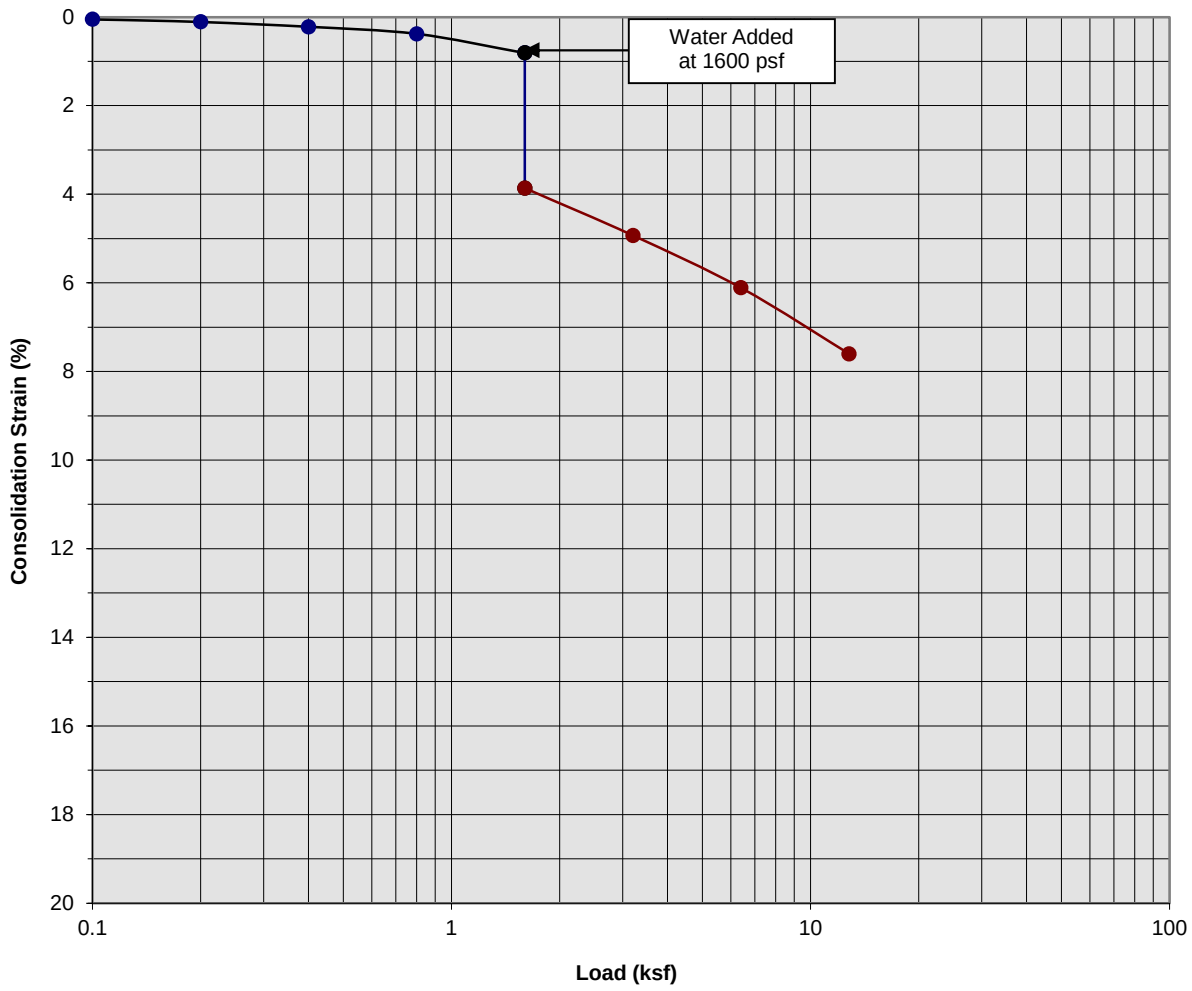
Boring Number:	B-1	Initial Moisture Content (%)	4
Sample Number:	---	Final Moisture Content (%)	11
Depth (ft)	7 to 8	Initial Dry Density (pcf)	101.0
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	109.6
Specimen Thickness (in)	1.0	Percent Collapse (%)	2.00

Poplar 18 Industrial Park
Hesperia, California
Project No. 22G134-1

PLATE C- 3

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: Light Brown Silty fine to coarse Sand to fine to coarse Sandy Silt

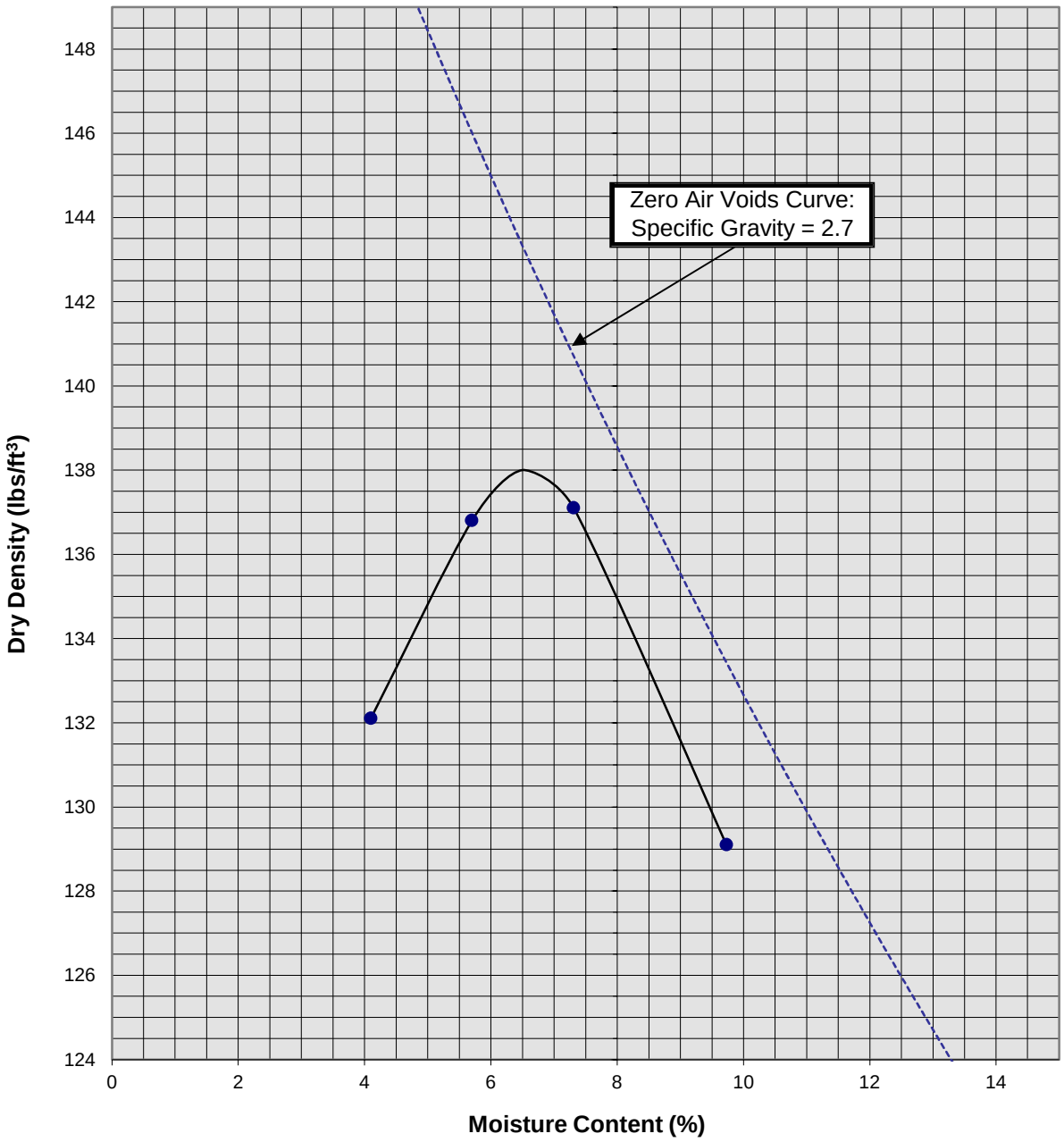
Boring Number:	B-1	Initial Moisture Content (%)	3
Sample Number:	---	Final Moisture Content (%)	15
Depth (ft)	9 to 10	Initial Dry Density (pcf)	110.4
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	119.8
Specimen Thickness (in)	1.0	Percent Collapse (%)	3.05

Poplar 18 Industrial Park
Hesperia, California
Project No. 22G134-1

PLATE C- 4

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Moisture/Density Relationship
ASTM D-1557



Soil ID Number	B-4 @ 0-5'
Optimum Moisture (%)	6
Maximum Dry Density (pcf)	138
Soil Classification	Light Brown Silty fine to coarse Sand, trace fine Gravel

Poplar 18 Industrial Park
Hesperia, California
Project No. 22G134-1

PLATE C-5

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

APPENDIX D

GRADING GUIDE SPECIFICATIONS

These grading guide specifications are intended to provide typical procedures for grading operations. They are intended to supplement the recommendations contained in the geotechnical investigation report for this project. Should the recommendations in the geotechnical investigation report conflict with the grading guide specifications, the more site specific recommendations in the geotechnical investigation report will govern.

General

- The Earthwork Contractor is responsible for the satisfactory completion of all earthwork in accordance with the plans and geotechnical reports, and in accordance with city, county, and applicable building codes.

- The Geotechnical Engineer is the representative of the Owner/Builder for the purpose of implementing the report recommendations and guidelines. These duties are not intended to relieve the Earthwork Contractor of any responsibility to perform in a workman-like manner, nor is the Geotechnical Engineer to direct the grading equipment or personnel employed by the Contractor.

- The Earthwork Contractor is required to notify the Geotechnical Engineer of the anticipated work and schedule so that testing and inspections can be provided. If necessary, work may be stopped and redone if personnel have not been scheduled in advance.

- The Earthwork Contractor is required to have suitable and sufficient equipment on the job-site to process, moisture condition, mix and compact the amount of fill being placed to the approved compaction. In addition, suitable support equipment should be available to conform with recommendations and guidelines in this report.

- Canyon cleanouts, overexcavation areas, processed ground to receive fill, key excavations, subdrains and benches should be observed by the Geotechnical Engineer prior to placement of any fill. It is the Earthwork Contractor's responsibility to notify the Geotechnical Engineer of areas that are ready for inspection.

- Excavation, filling, and subgrade preparation should be performed in a manner and sequence that will provide drainage at all times and proper control of erosion. Precipitation, springs, and seepage water encountered shall be pumped or drained to provide a suitable working surface. The Geotechnical Engineer must be informed of springs or water seepage encountered during grading or foundation construction for possible revision to the recommended construction procedures and/or installation of subdrains.

Site Preparation

- The Earthwork Contractor is responsible for all clearing, grubbing, stripping and site preparation for the project in accordance with the recommendations of the Geotechnical Engineer.

- If any materials or areas are encountered by the Earthwork Contractor which are suspected of having toxic or environmentally sensitive contamination, the Geotechnical Engineer and Owner/Builder should be notified immediately.

- Major vegetation should be stripped and disposed of off-site. This includes trees, brush, heavy grasses and any materials considered unsuitable by the Geotechnical Engineer.

- Underground structures such as basements, cesspools or septic disposal systems, mining shafts, tunnels, wells and pipelines should be removed under the inspection of the Geotechnical Engineer and recommendations provided by the Geotechnical Engineer and/or city, county or state agencies. If such structures are known or found, the Geotechnical Engineer should be notified as soon as possible so that recommendations can be formulated.

- Any topsoil, slopewash, colluvium, alluvium and rock materials which are considered unsuitable by the Geotechnical Engineer should be removed prior to fill placement.

- Remaining voids created during site clearing caused by removal of trees, foundations basements, irrigation facilities, etc., should be excavated and filled with compacted fill.

- Subsequent to clearing and removals, areas to receive fill should be scarified to a depth of 10 to 12 inches, moisture conditioned and compacted

- The moisture condition of the processed ground should be at or slightly above the optimum moisture content as determined by the Geotechnical Engineer. Depending upon field conditions, this may require air drying or watering together with mixing and/or discing.

Compacted Fills

- Soil materials imported to or excavated on the property may be utilized in the fill, provided each material has been determined to be suitable in the opinion of the Geotechnical Engineer. Unless otherwise approved by the Geotechnical Engineer, all fill materials shall be free of deleterious, organic, or frozen matter, shall contain no chemicals that may result in the material being classified as “contaminated,” and shall be very low to non-expansive with a maximum expansion index (EI) of 50. The top 12 inches of the compacted fill should have a maximum particle size of 3 inches, and all underlying compacted fill material a maximum 6-inch particle size, except as noted below.

- All soils should be evaluated and tested by the Geotechnical Engineer. Materials with high expansion potential, low strength, poor gradation or containing organic materials may require removal from the site or selective placement and/or mixing to the satisfaction of the Geotechnical Engineer.

- Rock fragments or rocks less than 6 inches in their largest dimensions, or as otherwise determined by the Geotechnical Engineer, may be used in compacted fill, provided the distribution and placement is satisfactory in the opinion of the Geotechnical Engineer.

- Rock fragments or rocks greater than 12 inches should be taken off-site or placed in accordance with recommendations and in areas designated as suitable by the Geotechnical Engineer. These materials should be placed in accordance with Plate D-8 of these Grading Guide Specifications and in accordance with the following recommendations:

    - Rocks 12 inches or more in diameter should be placed in rows at least 15 feet apart, 15 feet from the edge of the fill, and 10 feet or more below subgrade. Spaces should be left between each rock fragment to provide for placement and compaction of soil around the fragments.

    - Fill materials consisting of soil meeting the minimum moisture content requirements and free of oversize material should be placed between and over the rows of rock or

concrete. Ample water and compactive effort should be applied to the fill materials as they are placed in order that all of the voids between each of the fragments are filled and compacted to the specified density.

- Subsequent rows of rocks should be placed such that they are not directly above a row placed in the previous lift of fill. A minimum 5-foot offset between rows is recommended.

- To facilitate future trenching, oversized material should not be placed within the range of foundation excavations, future utilities or other underground construction unless specifically approved by the soil engineer and the developer/owner representative.

- Fill materials approved by the Geotechnical Engineer should be placed in areas previously prepared to receive fill and in evenly placed, near horizontal layers at about 6 to 8 inches in loose thickness, or as otherwise determined by the Geotechnical Engineer for the project.

- Each layer should be moisture conditioned to optimum moisture content, or slightly above, as directed by the Geotechnical Engineer. After proper mixing and/or drying, to evenly distribute the moisture, the layers should be compacted to at least 90 percent of the maximum dry density in compliance with ASTM D-1557-78 unless otherwise indicated.

- Density and moisture content testing should be performed by the Geotechnical Engineer at random intervals and locations as determined by the Geotechnical Engineer. These tests are intended as an aid to the Earthwork Contractor, so he can evaluate his workmanship, equipment effectiveness and site conditions. The Earthwork Contractor is responsible for compaction as required by the Geotechnical Report(s) and governmental agencies.

- Fill areas unused for a period of time may require moisture conditioning, processing and recompaction prior to the start of additional filling. The Earthwork Contractor should notify the Geotechnical Engineer of his intent so that an evaluation can be made.

- Fill placed on ground sloping at a 5-to-1 inclination (horizontal-to-vertical) or steeper should be benched into bedrock or other suitable materials, as directed by the Geotechnical Engineer. Typical details of benching are illustrated on Plates D-2, D-4, and D-5.

- Cut/fill transition lots should have the cut portion overexcavated to a depth of at least 3 feet and rebuilt with fill (see Plate D-1), as determined by the Geotechnical Engineer.

- All cut lots should be inspected by the Geotechnical Engineer for fracturing and other bedrock conditions. If necessary, the pads should be overexcavated to a depth of 3 feet and rebuilt with a uniform, more cohesive soil type to impede moisture penetration.

- Cut portions of pad areas above buttresses or stabilizations should be overexcavated to a depth of 3 feet and rebuilt with uniform, more cohesive compacted fill to impede moisture penetration.

- Non-structural fill adjacent to structural fill should typically be placed in unison to provide lateral support. Backfill along walls must be placed and compacted with care to ensure that excessive unbalanced lateral pressures do not develop. The type of fill material placed adjacent to below grade walls must be properly tested and approved by the Geotechnical Engineer with consideration of the lateral earth pressure used in the design.

Foundations

- The foundation influence zone is defined as extending one foot horizontally from the outside edge of a footing, and proceeding downward at a ½ horizontal to 1 vertical (0.5:1) inclination.

- Where overexcavation beneath a footing subgrade is necessary, it should be conducted so as to encompass the entire foundation influence zone, as described above.

- Compacted fill adjacent to exterior footings should extend at least 12 inches above foundation bearing grade. Compacted fill within the interior of structures should extend to the floor subgrade elevation.

Fill Slopes

- The placement and compaction of fill described above applies to all fill slopes. Slope compaction should be accomplished by overfilling the slope, adequately compacting the fill in even layers, including the overfilled zone and cutting the slope back to expose the compacted core

- Slope compaction may also be achieved by backrolling the slope adequately every 2 to 4 vertical feet during the filling process as well as requiring the earth moving and compaction equipment to work close to the top of the slope. Upon completion of slope construction, the slope face should be compacted with a sheepsfoot connected to a sideboom and then grid rolled. This method of slope compaction should only be used if approved by the Geotechnical Engineer.

- Sandy soils lacking in adequate cohesion may be unstable for a finished slope condition and therefore should not be placed within 15 horizontal feet of the slope face.

- All fill slopes should be keyed into bedrock or other suitable material. Fill keys should be at least 15 feet wide and inclined at 2 percent into the slope. For slopes higher than 30 feet, the fill key width should be equal to one-half the height of the slope (see Plate D-5).

- All fill keys should be cleared of loose slough material prior to geotechnical inspection and should be approved by the Geotechnical Engineer and governmental agencies prior to filling.

- The cut portion of fill over cut slopes should be made first and inspected by the Geotechnical Engineer for possible stabilization requirements. The fill portion should be adequately keyed through all surficial soils and into bedrock or suitable material. Soils should be removed from the transition zone between the cut and fill portions (see Plate D-2).

Cut Slopes

- All cut slopes should be inspected by the Geotechnical Engineer to determine the need for stabilization. The Earthwork Contractor should notify the Geotechnical Engineer when slope cutting is in progress at intervals of 10 vertical feet. Failure to notify may result in a delay in recommendations.

- Cut slopes exposing loose, cohesionless sands should be reported to the Geotechnical Engineer for possible stabilization recommendations.

- All stabilization excavations should be cleared of loose slough material prior to geotechnical inspection. Stakes should be provided by the Civil Engineer to verify the location and dimensions of the key. A typical stabilization fill detail is shown on Plate D-5.

- Stabilization key excavations should be provided with subdrains. Typical subdrain details are shown on Plates D-6.

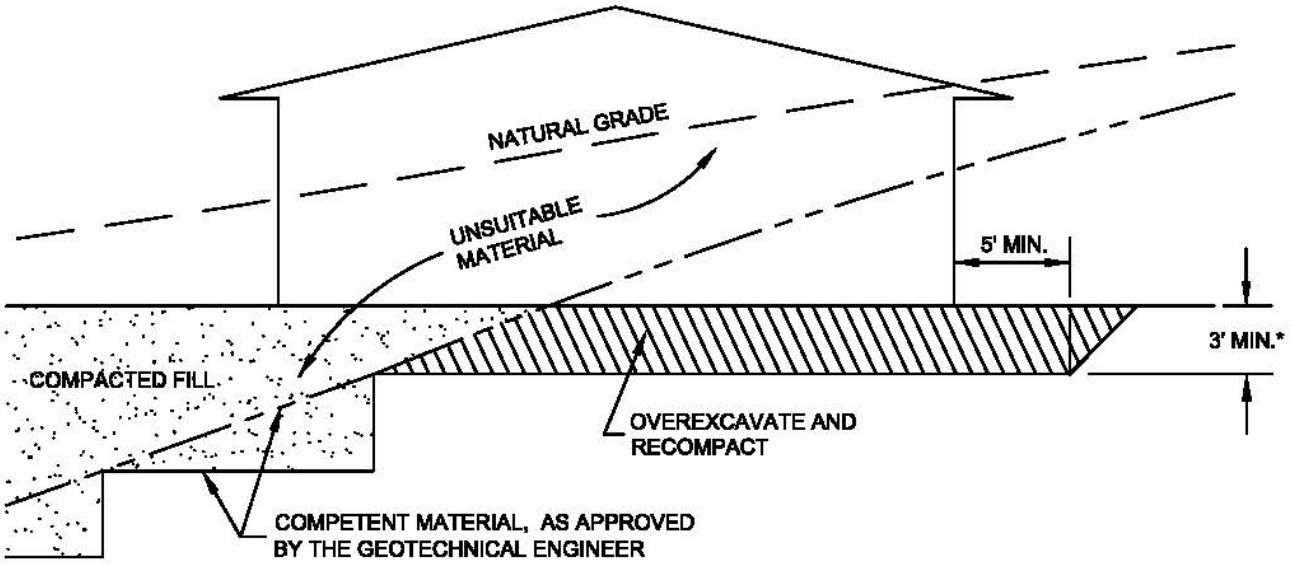
Subdrains

- Subdrains may be required in canyons and swales where fill placement is proposed. Typical subdrain details for canyons are shown on Plate D-3. Subdrains should be installed after approval of removals and before filling, as determined by the Soils Engineer.

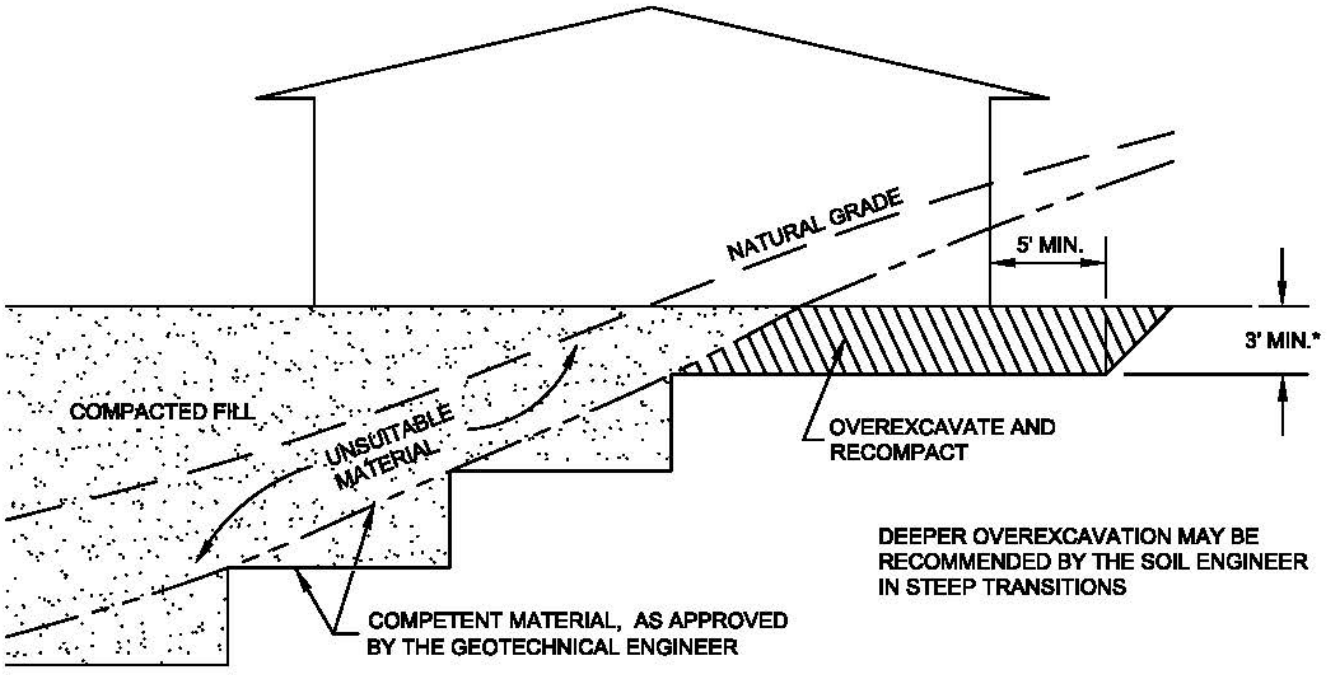
- Plastic pipe may be used for subdrains provided it is Schedule 40 or SDR 35 or equivalent. Pipe should be protected against breakage, typically by placement in a square-cut (backhoe) trench or as recommended by the manufacturer.

- Filter material for subdrains should conform to CALTRANS Specification 68-1.025 or as approved by the Geotechnical Engineer for the specific site conditions. Clean ¾-inch crushed rock may be used provided it is wrapped in an acceptable filter cloth and approved by the Geotechnical Engineer. Pipe diameters should be 6 inches for runs up to 500 feet and 8 inches for the downstream continuations of longer runs. Four-inch diameter pipe may be used in buttress and stabilization fills.

CUT LOT



CUT/FILL LOT (TRANSITION)

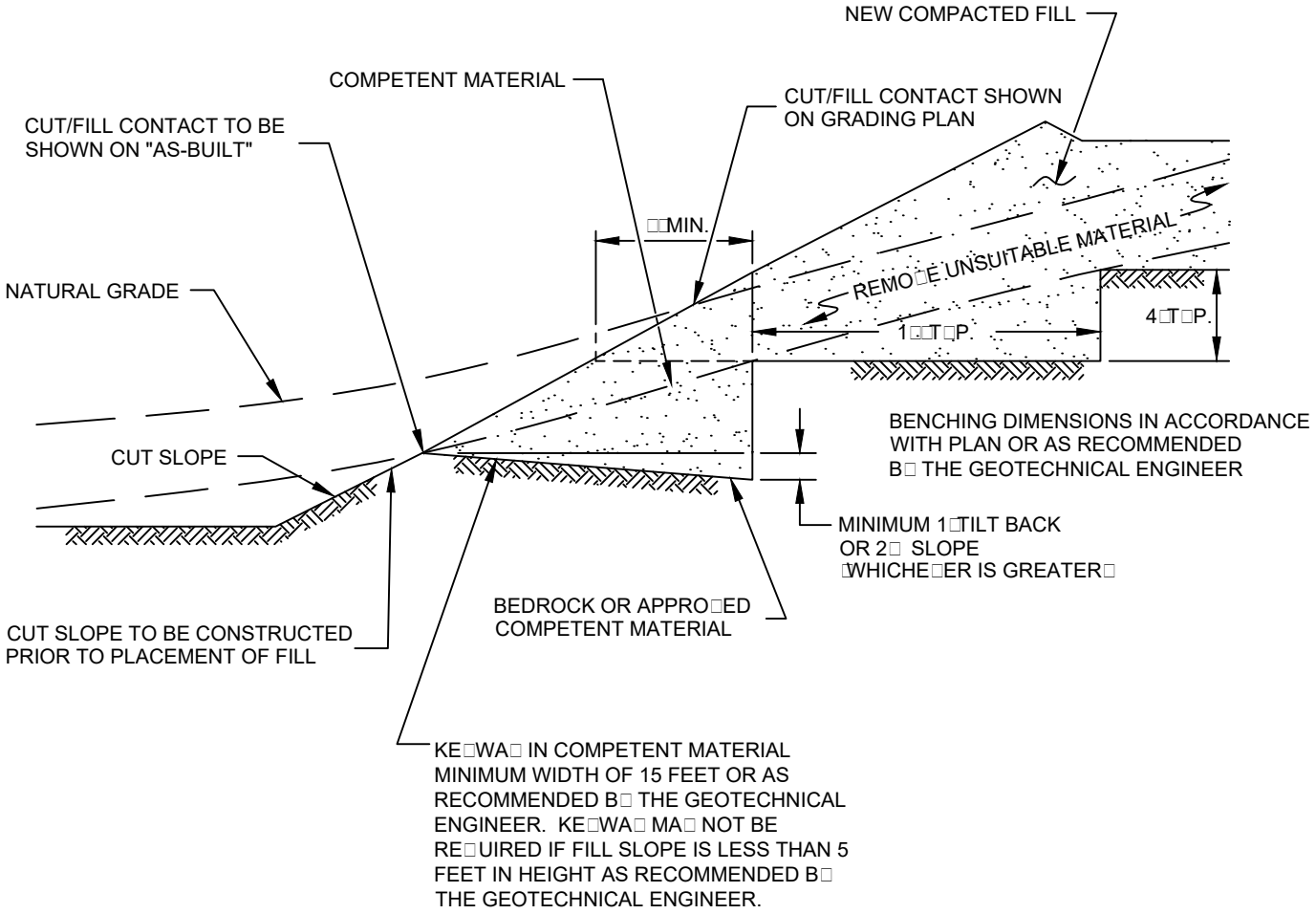


*SEE TEXT OF REPORT FOR SPECIFIC RECOMMENDATION. ACTUAL DEPTH OF OVEREXCAVATION MAY BE GREATER.

TRANSITION LOT DETAIL

GRADING GUIDE SPECIFICATIONS

NOT TO SCALE	SoCalGeo SOUTHERN CALIFORNIA GEOTECHNICAL
DRAWN: JAS CHKD: GKM	
PLATE D-1	



FILL ABOVE CUT SLOPE DETAIL

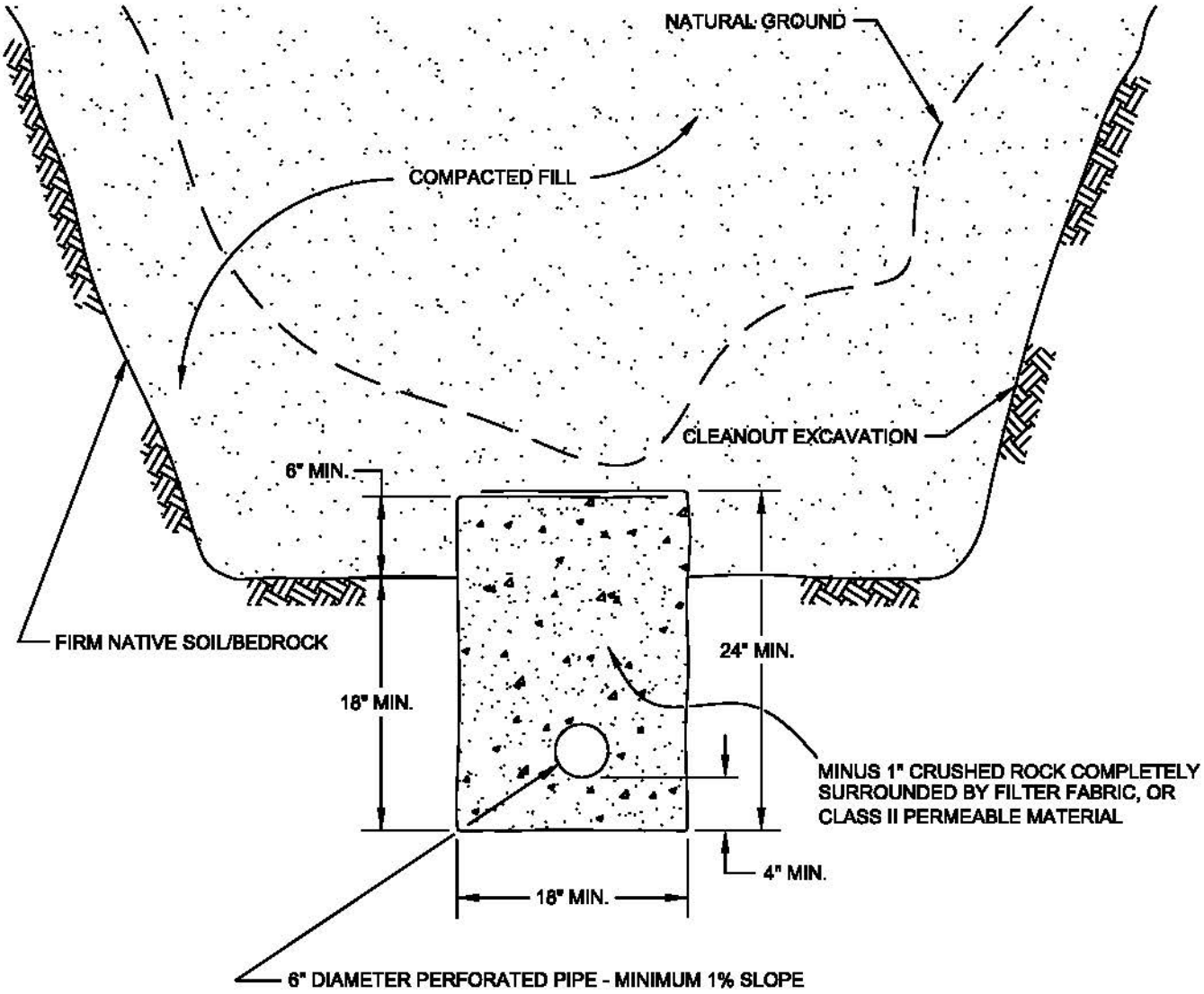
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-2

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL



PIPE MATERIAL	DEPTH OF FILL OVER SUBDRAIN
ADS (CORRUGATED POLETHYLENE)	8
TRANSITE UNDERDRAIN	20
PVC OR ABS: SDR 35	35
SDR 21	100

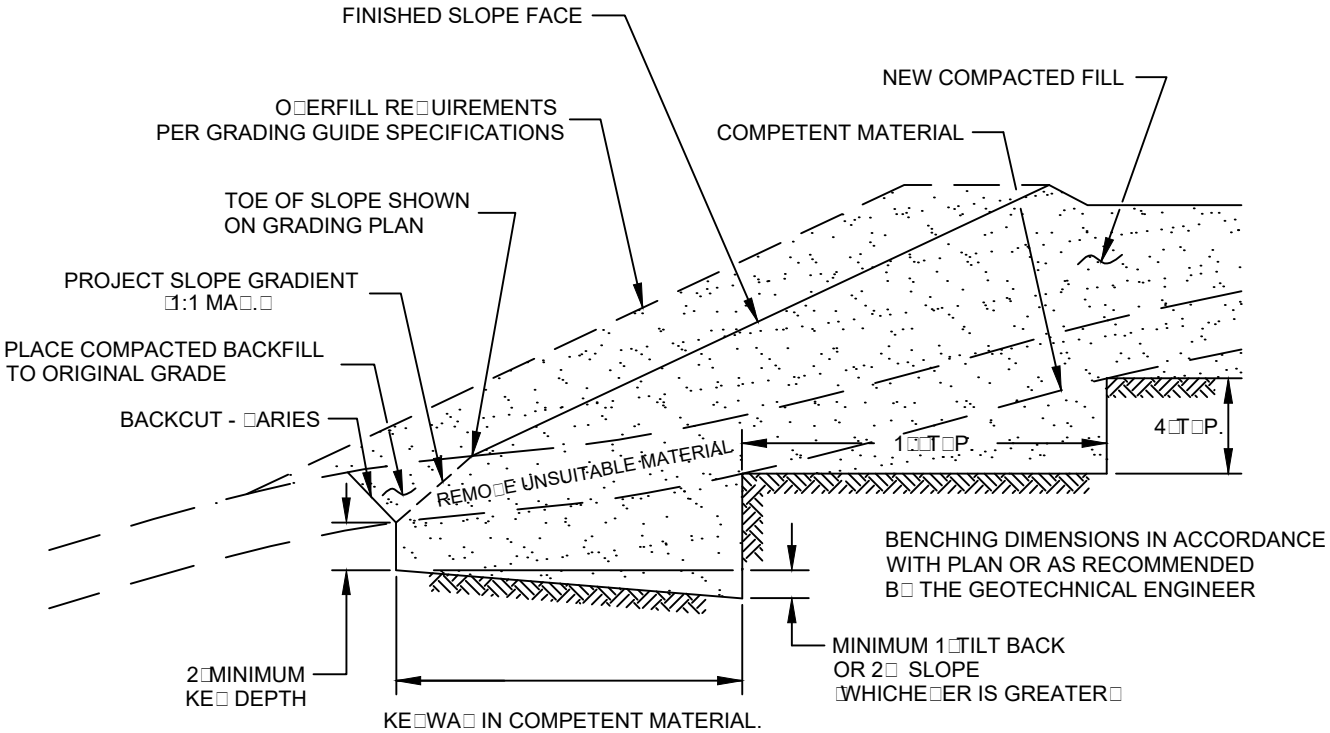
SCHEMATIC ONLY
NOT TO SCALE

CANYON SUBDRAIN DETAIL
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE
DRAWN: JAS
CHKD: GKM

PLATE D-3

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL



NOTE:
BENCHING SHALL BE RE□UIRED
WHEN NATURAL SLOPES ARE
E□UAL TO OR STEEPER THAN 5:1
OR WHEN RECOMMENDED B□
THE GEOTECHNICAL ENGINEER.

FILL ABOVE NATURAL SLOPE DETAIL

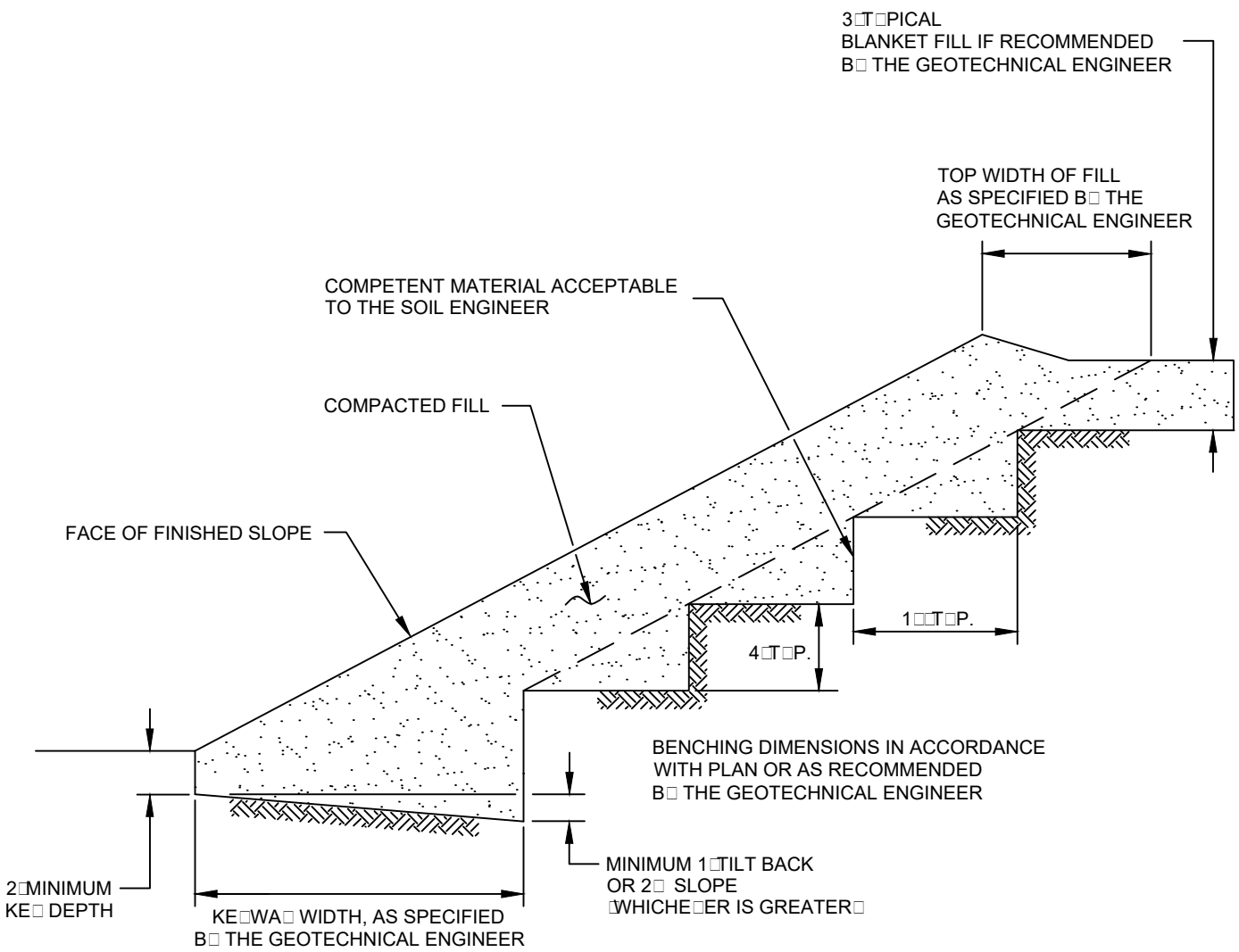
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-4

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL



STABILIZATION FILL DETAIL

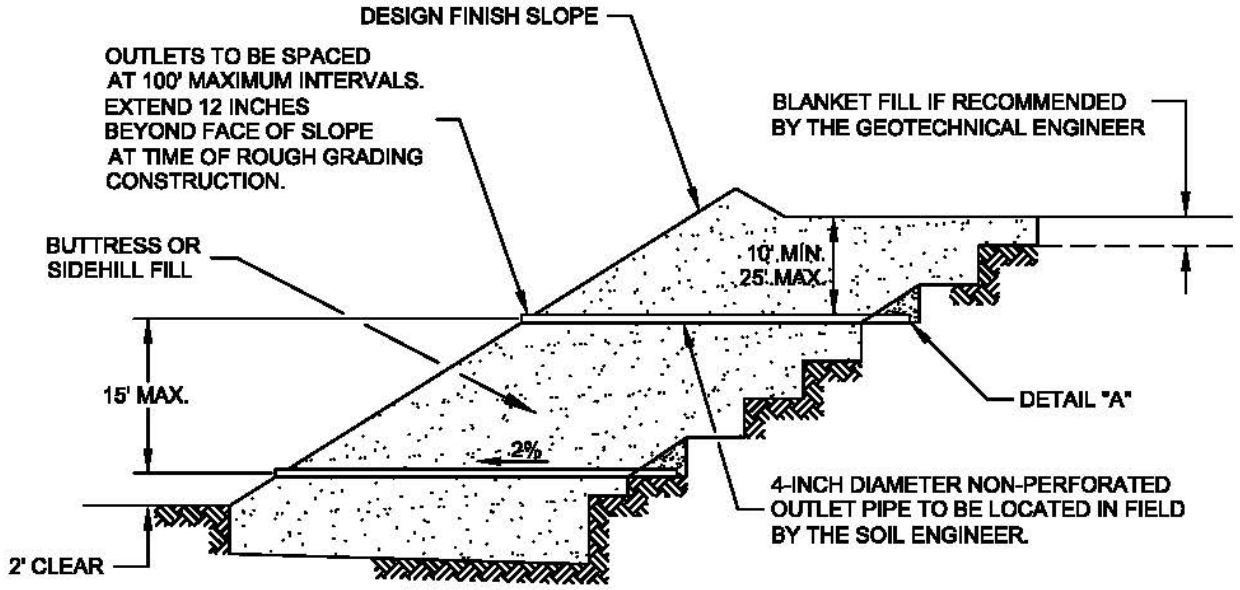
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-5

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL



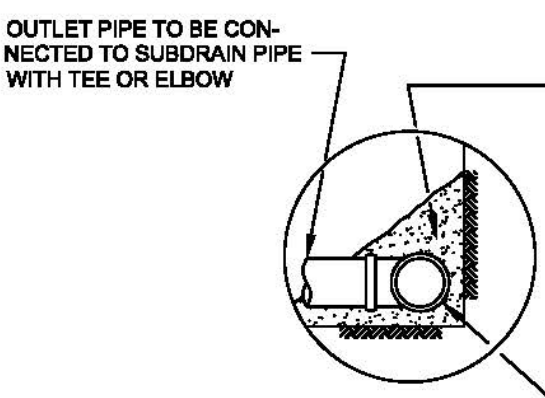
"FILTER MATERIAL" TO MEET FOLLOWING SPECIFICATION OR APPROVED EQUIVALENT: (CONFORMS TO EMA STD. PLAN 323)

SIEVE SIZE	PERCENTAGE PASSING
1"	100
3/4"	90-100
3/8"	40-100
NO. 4	25-40
NO. 8	18-33
NO. 30	5-15
NO. 50	0-7
NO. 200	0-3

"GRAVEL" TO MEET FOLLOWING SPECIFICATION OR APPROVED EQUIVALENT:

SIEVE SIZE	MAXIMUM PERCENTAGE PASSING
1 1/2"	100
NO. 4	50
NO. 200	8

SAND EQUIVALENT = MINIMUM OF 50



DETAIL "A"

FILTER MATERIAL - MINIMUM OF FIVE CUBIC FEET PER FOOT OF PIPE. SEE ABOVE FOR FILTER MATERIAL SPECIFICATION.

ALTERNATIVE: IN LIEU OF FILTER MATERIAL FIVE CUBIC FEET OF GRAVEL PER FOOT OF PIPE MAY BE ENCASED IN FILTER FABRIC. SEE ABOVE FOR GRAVEL SPECIFICATION.

FILTER FABRIC SHALL BE MIRAFI 140 OR EQUIVALENT. FILTER FABRIC SHALL BE LAPPED A MINIMUM OF 12 INCHES ON ALL JOINTS.

MINIMUM 4-INCH DIAMETER PVC SCH 40 OR ABS CLASS SDR 35 WITH A CRUSHING STRENGTH OF AT LEAST 1,000 POUNDS, WITH A MINIMUM OF 8 UNIFORMLY SPACED PERFORATIONS PER FOOT OF PIPE INSTALLED WITH PERFORATIONS ON BOTTOM OF PIPE. PROVIDE CAP AT UPSTREAM END OF PIPE. SLOPE AT 2 PERCENT TO OUTLET PIPE.

NOTES:
1. TRENCH FOR OUTLET PIPES TO BE BACKFILLED WITH ON-SITE SOIL.

SLOPE FILL SUBDRAINS

GRADING GUIDE SPECIFICATIONS

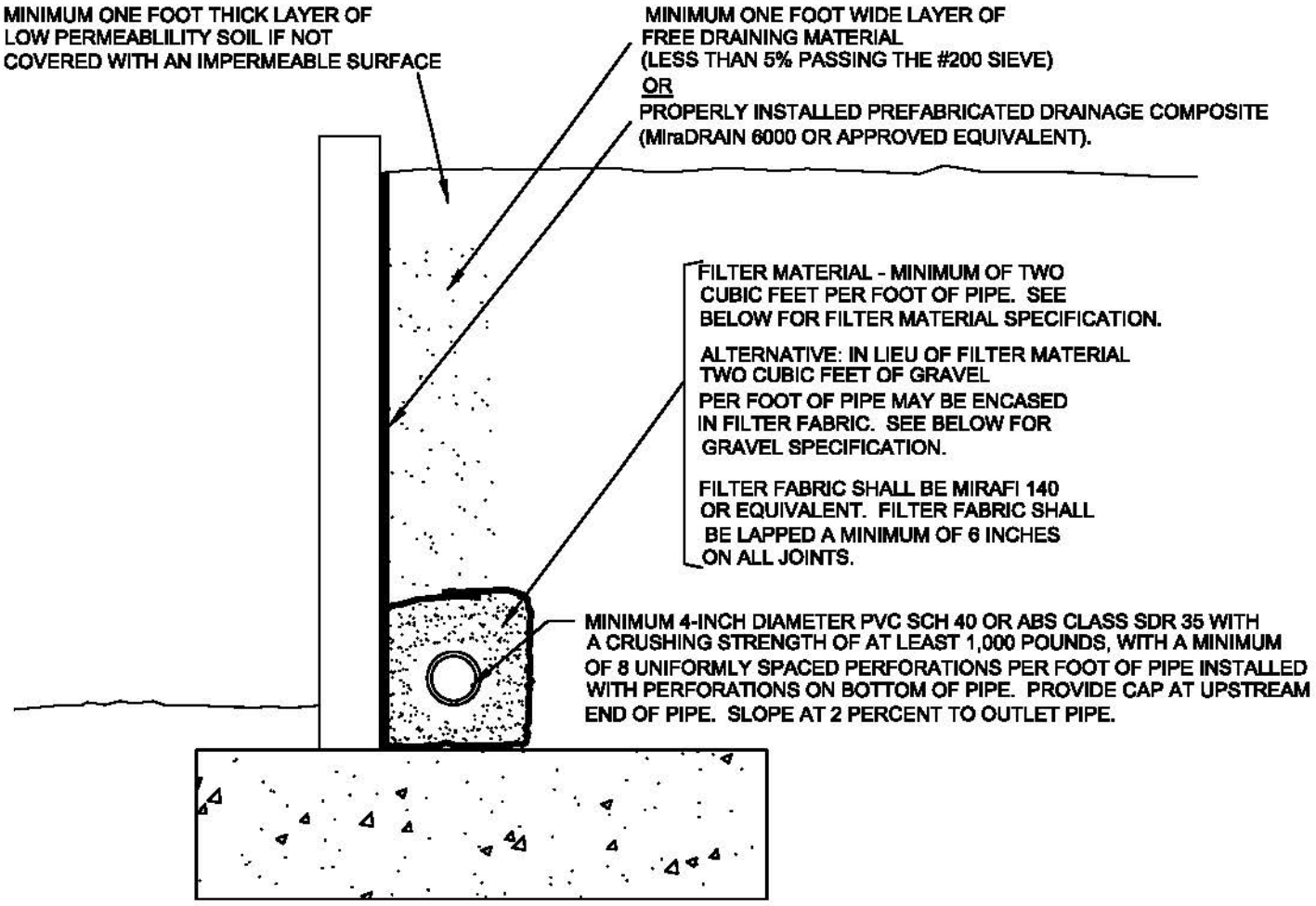
NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-6

SoCalGeo

SOUTHERN CALIFORNIA GEOTECHNICAL



"FILTER MATERIAL" TO MEET FOLLOWING SPECIFICATION OR APPROVED EQUIVALENT: (CONFORMS TO EMA STD. PLAN 323)

SIEVE SIZE	PERCENTAGE PASSING
1"	100
3/4"	90-100
3/8"	40-100
NO. 4	25-40
NO. 8	18-33
NO. 30	5-15
NO. 50	0-7
NO. 200	0-3

"GRAVEL" TO MEET FOLLOWING SPECIFICATION OR APPROVED EQUIVALENT:

SIEVE SIZE	MAXIMUM PERCENTAGE PASSING
1 1/2"	100
NO. 4	50
NO. 200	8

SAND EQUIVALENT = MINIMUM OF 50

RETAINING WALL BACKDRAINS

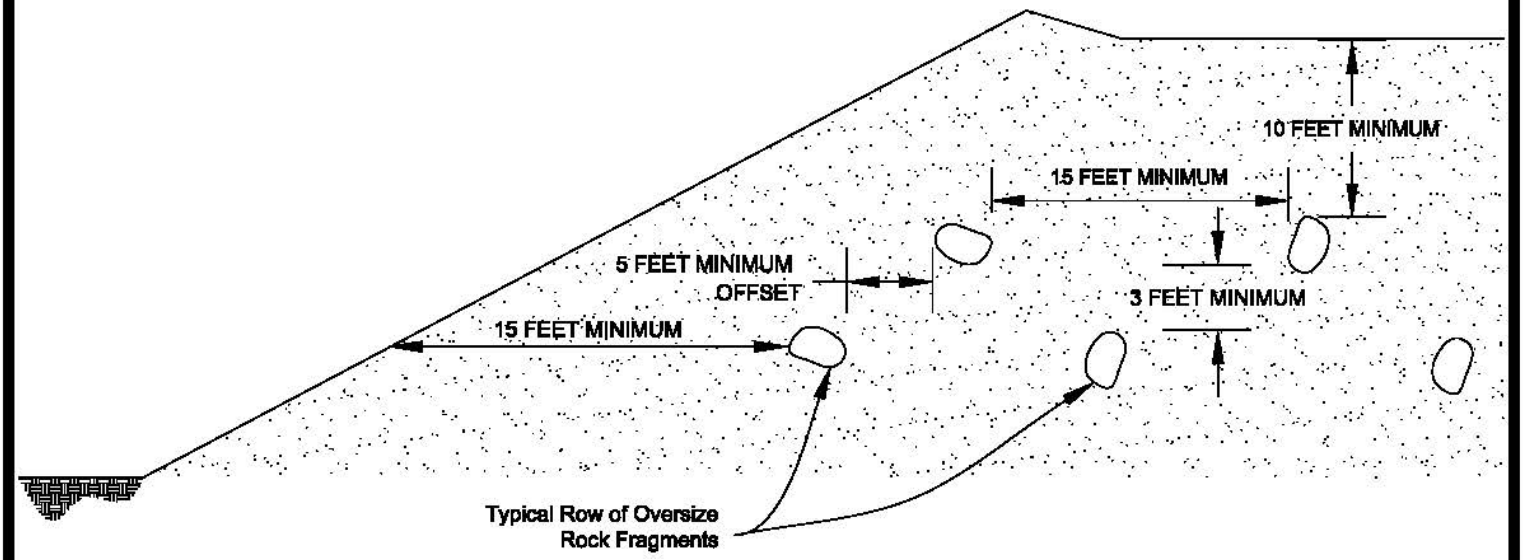
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

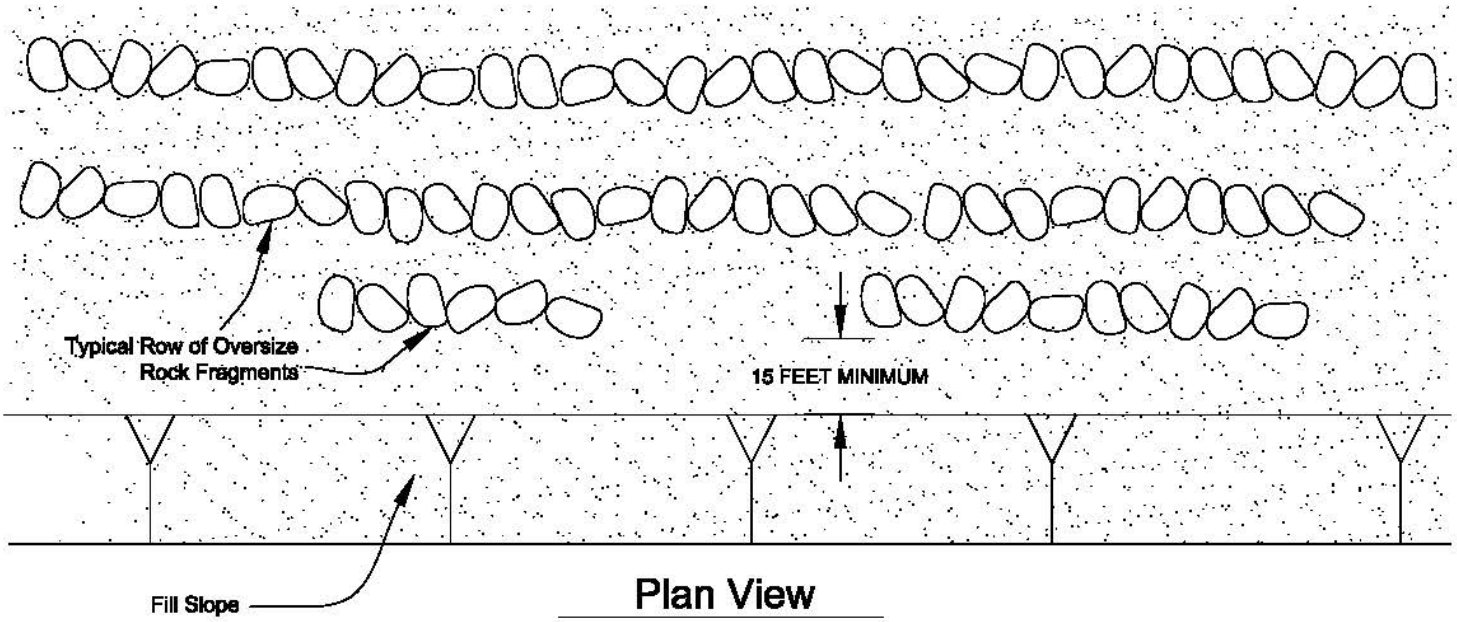
DRAWN: JAS
CHKD: GKM

PLATE D-7

SOUTHERN CALIFORNIA GEOTECHNICAL



Section View



Plan View

PLACEMENT OF OVERSIZED MATERIAL

GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: PM
CHKD: GKM

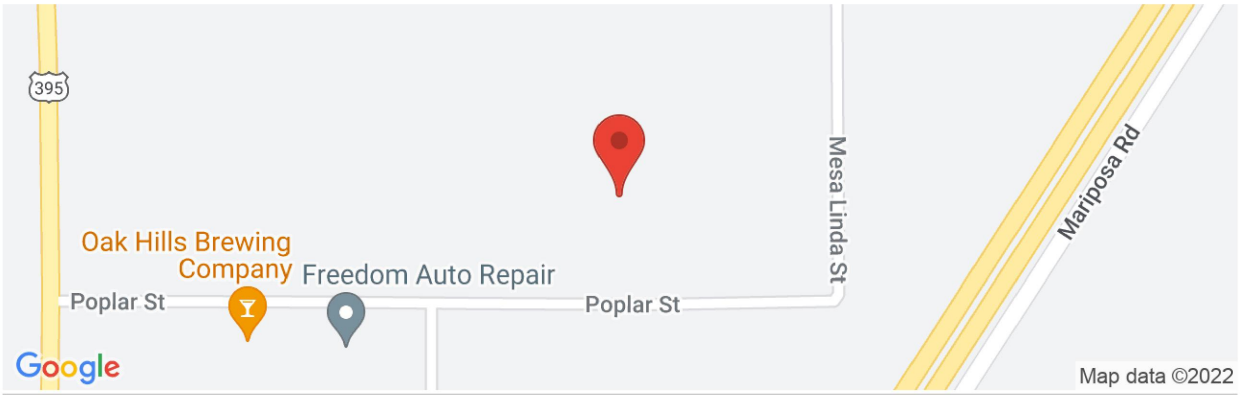
PLATE D-8

SoCalGeo

SOUTHERN CALIFORNIA GEOTECHNICAL

APPENDIX E

Latitude, Longitude: 34.416786, -117.392851



Date	3/14/2022, 11:17:51 AM
Design Code Reference Document	ASCE7-16
Risk Category	III
Site Class	D - Stiff Soil

Type	Value	Description
S_S	1.5	MCE_R ground motion. (for 0.2 second period)
S_1	0.6	MCE_R ground motion. (for 1.0s period)
S_{MS}	1.5	Site-modified spectral acceleration value
S_{M1}	null -See Section 11.4.8	Site-modified spectral acceleration value
S_{DS}	1	Numeric seismic design value at 0.2 second SA
S_{D1}	null -See Section 11.4.8	Numeric seismic design value at 1.0 second SA

Type	Value	Description
SDC	null -See Section 11.4.8	Seismic design category
F_a	1	Site amplification factor at 0.2 second
F_v	null -See Section 11.4.8	Site amplification factor at 1.0 second
PGA	0.505	MCE_G peak ground acceleration
F_{PGA}	1.1	Site amplification factor at PGA
PGA_M	0.556	Site modified peak ground acceleration
T_L	12	Long-period transition period in seconds
SsRT	1.591	Probabilistic risk-targeted ground motion. (0.2 second)
SsUH	1.717	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
SsD	1.5	Factored deterministic acceleration value. (0.2 second)
S1RT	0.62	Probabilistic risk-targeted ground motion. (1.0 second)
S1UH	0.684	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
S1D	0.6	Factored deterministic acceleration value. (1.0 second)
PGAd	0.505	Factored deterministic acceleration value. (Peak Ground Acceleration)
C_{RS}	0.927	Mapped value of the risk coefficient at short periods
C_{R1}	0.905	Mapped value of the risk coefficient at a period of 1 s

SOURCE: SEAOC/OSHPD Seismic Design Maps Tool
<https://seismicmaps.org/>

SEISMIC DESIGN PARAMETERS - 2019 CBC
PROPOSED I-15 BUSINESS PARK-BUILDING 3
HESPERIA, CALIFORNIA

DRAWN: MD
CHKD: DN
SCG PROJECT 22G134-1
PLATE E-1

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL

Appendix F

Phase I Environmental Site Assessment

PHASE I ENVIRONMENTAL SITE ASSESSMENT



PERFORMED ON:

17.87 ACRE TRACT (UNDEVELOPED)

TRACTS 3 & 4 POPLAR & MESA LINDA STREETS
HESPERIA, SAN BERNARDINO COUNTY, CA 92344
CCG PROJECT #: CCG-4757

PREPARED FOR:

COVINGTON INVESTMENTS, LLC

14180 DALLAS PARKWAY, SUITE 730
DALLAS, TX 75254

PREPARED BY:

CONSOLIDATED CONSULTING GROUP, LLC

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COLLEYVILLE, TEXAS 76034
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ISSUE DATE: OCTOBER 28, 2020

TONYA GOLDEN
PROJECT MANAGER

RICHARD A. MOSMAN
PROJECT DIRECTOR

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1.0 INTRODUCTION

1.1 Executive Summary

Subject Property Name:	17.87 Acre Tract (Undeveloped)
Address:	Tracts 3 & 4 Poplar & Mesa Linda Streets Hesperia, San Bernardino County, CA 92344
Site Location Intersection:	Northwest of the intersection of Poplar Street and Mesa Linda Street
Site Acreage:	17.87 Acres - Tract 3 (9.06 Acres), Tract 4 (8.81 Acres) - According to the San Bernardino County Assessor's Office
Current Property Use:	The subject property is currently undeveloped.
Number of Buildings/Stories:	N/A
Number of Tenant Spaces:	N/A
Approximate Square Footage:	N/A
Current Occupancy:	N/A
Construction Year:	N/A
Historic Property Use:	Undeveloped land since at least 1938.

Consolidated Consulting Group, LLC (CCG) has performed a Phase I Environmental Site Assessment (ESA) in general conformance with the scope and limitations of ASTM Practice E-1527-13, on the 17.87 Acre Tract (Undeveloped) property located at Tracts 3 & 4 Poplar & Mesa Linda Streets, in Hesperia, San Bernardino County, CA 92344 (herein referred to as the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.4 "Investigation Requirements Not Satisfied".

A historical recognized environmental condition (HREC) is defined under ASTM E1527-13 as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls." ***This assessment has revealed no evidence of HRECs in connection with the subject property.***

A controlled recognized environmental condition (CREC) is defined under ASTM E1527-13 as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls." ***This assessment has revealed no evidence of CRECs in connection with the subject property.***

A recognized environmental condition (REC) is defined under ASTM E1527-13 as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." ***This assessment has revealed no evidence of RECs in connection with the subject property.***

A business environmental risk (BER) is defined under ATSM E1527-13 as "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice." ***This assessment has revealed no evidence of BERs in connection with the subject property.***

A de minimis condition is defined under ASTM E1527-13 as "a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." ***This assessment has revealed the following evidence of de minimis conditions in connection with the subject property:***

- CCG did not observe any evidence of current or historic landfills on the subject property. However, several debris piles / dump sites and scattered windblown debris were observed on the subject property. Observed debris generally consisted of municipal waste (paper, plastic, etc.) and construction debris (lumber, concrete, asphalt / gravel, roofing materials, etc.). However, multiple scrap truck tires and several empty retail sized containers of automotive fluids (motor oil, antifreeze, etc.) were also observed. No staining or other obvious evidence of a release was observed in these areas. However, CCG considers the observed debris (including scrap tires and empty automotive fluid containers) to represent a de minimis condition in connection with the subject property.

  Recommendation: CCG recommends that the observed debris / wastes be removed from the subject property, and properly disposed of in accordance with all applicable local, state and federal guidelines. If during future development activities visually impacted soils are identified, impacted soils should be

excavated, removed and properly disposed of. Confirmatory soil samples should be collected during excavation to ensure that the extent of impacted soils has been removed.

This assessment has revealed the following evidence of Noteworthy Issues in connection with the subject property:

- Federally-listed threatened and endangered species and their habitats are protected under the Endangered Species Act of 1973, as amended. Individuals of state-listed species are protected under state law, although their habitats are not currently given regulatory protection. A review of endangered species on or in the vicinity of the subject property is beyond the scope of this investigation. However, according to the California Department of Fish & Wildlife there are multiple rare, threatened or endangered species listed for San Bernardino County.

  Recommendation: If future development will disturb the undeveloped portions of the subject property, an evaluation for Threatened or Endangered Species may be required.

CCG makes no recommendation for further investigation of the subject property at this time.

1.2 Purpose

The purpose of this investigation is to conduct a Phase I Environmental Site Assessment (ESA), in general conformance with ASTM 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process on a parcel of commercial real estate (subject property) with respect to the range of contaminants within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601). This assessment is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability: that is, the practice that constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601 (35) (B).

The purpose of a Phase I ESA is to evaluate environmental issues which may have a financial or liability impact on the owners of a parcel of property. The goal of this process is to identify the presence or likely presence of any hazardous substances or petroleum products on the property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property.

CCG understands this assessment of the subject property was performed as part of a pending financial transaction.

1.3 Scope of Work

Consolidated Consulting Group, LLC was retained to perform a Phase I Environmental Site Assessment on the subject property in general conformance with ASTM 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment.

The following scope of services summarizes the activities performed by Consolidated Consulting Group, LLC:

- Survey the subject property and observe the adjacent and surrounding properties for the purposes of identifying land use and activities that may potentially affect the environmental integrity of the subject property.
- Interview available present and past owners and occupants of the subject property to identify current/historic subject property uses.
- Review available historic information for the subject property from first developed use to present.
- Interview accessible local, city, parish and state personnel to solicit pertinent environmental information regarding the subject property.
- Review available federal, state and local regulatory database information as prescribed in ASTM 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.
- Provide findings, conclusions and recommendations to the Client as a result of the information gathered.

ASTM 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process does not specifically call for the Phase I ESA report to address business environmental risks (BERs) or additional services. Business environmental risk is defined in the standard as "*a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations, some of which are identified in Section 13 (*of the standard)*".* In order to better serve the Client, CCG has included a consideration of business environmental risks in the relevant section of this report and the additional services listed in Section 5.4 "Additional Services" as a part of this investigation.

In preparing this report, Consolidated Consulting Group, LLC has relied upon and presumed accurate, certain information (or the absence thereof) about the subject property and adjacent properties provided by governmental officials and agencies, the Client and others identified herein. The accuracy of the results of the regulatory agency database searches are constrained and limited by the level of care and professional skill exercised by the subcontractors retained by Consolidated Consulting Group, LLC to perform these tasks. Except as otherwise stated in this report, Consolidated Consulting Group, LLC has not attempted to verify the accuracy or completeness of such information.

The conclusions and recommendations contained in this report/assessment are based upon professional opinions with regard to the subject matter. These opinions have been formulated in accordance with currently accepted industry standards and practices. The data reported and the findings, observations, and conclusions expressed in the report contain all of the limitations inherent in the methodologies referred to in ASTM 1527-13. Because of these limitations, the findings, observations, and conclusions expressed by CCG in this report are not, and should not be considered, an opinion concerning the compliance of any past or present owner or operator of the site with any federal, state or local law or regulations. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported. Furthermore, the results of this Phase I Environmental Site Assessment as reported herein are in no way intended to represent a guarantee that the subject property is free from the presence of past, present, or future contamination from hazardous substances; rather, it only represents that a reasonable inquiry has been conducted to ascertain the likelihood of such contamination under current applicable law.

Consolidated Consulting Group, LLC derived the data in this report primarily from visual inspections, examination of records in the public domain and interviews with individuals knowledgeable with the Site history. The passage of time, manifestation of latent conditions or occurrence of future events may require further exploration at the subject property, analysis of the data and reevaluation of the findings, observations, conclusions and recommendations expressed in this report. Conclusions and recommendations are based solely upon conditions in existence at the subject property at the time of the investigation.

1.4 Investigation Requirements Not Satisfied

This Phase I ESA substantially complies with ASTM 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, except for the following exceptions and/or limiting conditions.

- CCG was unescorted during the site inspection.

- CCG provided an interview questionnaire to the *User* of this report regarding issues of environmental concern relating to the subject property. At the time of writing, the interview questionnaire had not been returned to CCG. However, it is the Environmental Professional's opinion that sufficient information regarding the current and historic use of the subject property was obtained through other sources that the lack of the interview questionnaire will not alter the conclusions of this report.

- ASTM E 1527-13 "Standard for Environmental Site Assessments" suggests historical usage for a property be determined back to 1940 or the property's first developed use, whichever is earliest. CCG reviewed Aerial Photographs back to 1938 and Topographic Maps back to 1956, but was unable to research the site history at 5-year intervals. No additional historical sources that were deemed reasonably ascertainable and likely to be sufficiently useful were identified at the time of the assessment. However, it is the Environmental Professional's opinion that this limitation would not alter the conclusions of this report.

- CCG contacted the San Bernardino County / City of Hesperia Fire Department, Environmental Health Department and Building Inspection Department for information regarding hazardous material spills, permits for water wells, grease traps, septic systems, ASTs/USTs and general information regarding environmental issues/complaints associated with the subject property. At the time of writing, a response from these departments has not been received. Any pertinent information will be forwarded to the Client upon receipt. However, it is the Environmental Professional's opinion that this limitation would not alter the conclusions of this report.

There were no other unmet requirements of the ASTM 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

It is the Environmental Professional's opinion that these limitations, data gaps and/or data failures would not alter the conclusions of this report. No other exceptions, limitations, data gaps and/or data failures were encountered during the course of this investigation.

2.0 USER PROVIDED INFORMATION

The purpose of this section is to summarize and evaluate information provided by the *User* that may assist in the identification of recognized environmental conditions and business environmental risks in connection with the subject property.

2.1 Title Records

Title records can be reviewed to identify potential environmentally suspect historic owners of the subject property.

The *User* did not provide CCG with any title records for review.

2.2 Environmental Liens / Activity and Use Limitations

Reasonably ascertainable recorded land title records and lien records that are filed under federal, tribal, state, or local law can be reviewed to identify environmental liens or activity and use limitations (AULs), if any, that are currently recorded against the subject property.

The *User* did not inform CCG of any environmental liens, AULs, institutional controls or engineering control restrictions imposed on the subject property.

2.3 Specialized Knowledge

If the *User* is aware of any specialized knowledge or experience that is material to recognized environmental conditions or business environmental risk in connection with the subject property, it is the *User's* responsibility to communicate any information based on such specialized knowledge or experience to the environmental professional. The *User* should do so before the environmental professional conducts the site reconnaissance.

The *User* did not inform CCG of any specialized knowledge or experience that is material to recognized environmental conditions or business environmental risk in connection with the subject property.

2.4 Commonly Known or Reasonably Ascertainable Information

If the *User* is aware of any commonly known or reasonably ascertainable information within the local community about the subject property that is material to recognized environmental conditions or business environmental risk in connection with the subject property, it is the *User's* responsibility to communicate such information to the environmental professional. The *User* should do so before the environmental professional conducts the site reconnaissance.

The *User* did not inform CCG of any commonly known or reasonably ascertainable information within the local community about the subject property that is material to recognized environmental conditions or business environmental risk in connection with the subject property.

2.5 Valuation Reduction for Environmental Issues

If the *User* is aware that the sales price or valuation of the subject property has been reduced due to identified or potential environmental issues relating to the subject property, it is the *User's* responsibility to communicate such information to the environmental professional. The *User* should do so before the environmental professional conducts the site reconnaissance.

The *User* did not inform CCG of any valuation reductions for the subject property based on environmental issues.

2.6 Identification of the Key Site Manager

The key site manager of the subject property was not provided.

3.0 SITE DESCRIPTION

3.1 Site Name and Address

Subject Property Name:	17.87 Acre Tract (Undeveloped)
Street Address:	Tracts 3 & 4 Poplar & Mesa Linda Streets
City:	Hesperia (inside the Corporate City Limits)
County:	San Bernardino County
State:	CA
Zip Code:	92344

3.2 Legal Description

Central Appraisal District (CAD) Account No:	Tract 3 - 3064-581-04-0000 & Tract 4 - 3064-581-05-0000
Current Owner:	JG Investment Trust
Abbreviated Legal Description:	Please refer to Section 7.2.1 "General Public Records" for the legal description of the subject property.
Number of Parcels:	Two

3.3 Site and Vicinity General Characteristics

Site Location Intersection:	Northwest of the intersection of Poplar Street and Mesa Linda Street
Site Access:	Poplar Street on the south and Mesa Linda Street on the east
Site Acreage:	17.87 Acres - Tract 3 (9.06 Acres), Tract 4 (8.81 Acres) acres - According to the San Bernardino County Assessor's Office
Development of Surrounding Areas:	Please refer to Section 4.3 "Properties and Areas Surrounding the Site" for information regarding the development of the surrounding areas.

3.4 Site Description

General Information

Number of Buildings/stories:	N/A
Number of Tenant Spaces:	N/A
Net Rentable Square Footage:	N/A
Gross Square Footage:	N/A
Construction Year:	N/A
Amenities:	N/A

Structural/Finish-out

Exterior Façade:	N/A
Roof Type:	N/A
Interior Wall Coverings:	N/A
Ceiling Type:	N/A
Floor Coverings:	N/A
Interior Lighting:	N/A

Mechanical Systems

HVAC Type:	Please refer to Section 5.0 "Site Reconnaissance and Investigation" for a discussion of the HVAC Systems.
Hot Water Source:	Please refer to Section 5.0 "Site Reconnaissance and Investigation" for a discussion of the Hot Water Source.

Site Paving/Landscaping

Paving:

☐ Concrete ☐ Asphalt
☐ Pavers ☐ Gravel
☒ Other: Dirt

Landscaping:

☐ Grass Turf ☒ Native Grasses
☒ Shrubs ☐ Heavily Wooded
☐ Decorative Trees ☐ Agricultural Fields
☐ Mature Trees ☐ Other:

Please refer to Section 5.2.8 "Landfills" for additional information regarding the debris / dumping observed throughout the subject property.

Utility Providers Please refer to Section 5.0 "Site Reconnaissance and Investigation" for a discussion of the individual utility providers.

Special Utility Structures Please refer to Section 5.0 "Site Reconnaissance and Investigation" for a discussion of special utility structures on the subject property.

3.5 Current Uses of the Site

Current Property Use:

☐ Retail/Commercial ☐ Multi-family Residential
☐ Office/Commercial ☐ Agricultural Land
☐ Flex Warehouse ☐ Vacant Land
☐ Industrial ☒ Undeveloped Land

☐ Automotive/Gas Station ☐ Other:

Current Occupancy:	N/A
Comments:	No environmental concerns regarding the current owners or occupants of the subject property were identified during the course of this investigation.

3.6 Owners and Occupants of the Site

Current Owner:	JG Investment Trust
Current Tenants:	The subject property is currently undeveloped.
Comments:	With the exception of the debris / dumping observed throughout the property, no environmental concerns regarding the current use of the subject property were identified during the course of this investigation. Please refer to Section 5.2.8 "Landfills" for additional information.

3.7 Recorded Land Title Records

Please refer to Section 2.2 "Environmental Liens / Activity and Use Limitations" for additional information.

4.0 RECORDS REVIEW

The purpose of this section is to summarize and evaluate information from general public and government environmental records with regard to the physical setting, historical use, current use and environmental listings for the subject property and surroundings. Copies of all maps, public records and non-copyright protected documents are appended to this report in Section 7.0 "Appendices".

4.1 Physical Setting Sources

4.1.1 Topography

Topo Quad:	Baldy Mesa, CA
Topo Date:	1956, 1968, 1980, 1988, 1996 & 2018
Subject Property Elevation:	Approximately 3,600 feet above Mean Sea Level
On-site Slope:	Relatively flat
Slope based on topo contours:	Northwest
Comments:	Based on a review of topographic conditions, the adjacent properties to the southeast appear to be located topographically upgradient of the subject property. A copy of the most recent USGS topographic map is included in Appendix 7.1.4 "Topographical Maps".

4.1.2 Nearest Surface Water

Nearest Surface Water Name:	Oro Grande Wash
Distance / Direction:	Approximately 0.31-miles northwest
Comments:	None

4.1.3 Wetlands & Jurisdictional Waters

On-site Suspect Wetlands or Jurisdictional Waters Observed:	None Observed
Adjacent Suspect Wetlands or Jurisdictional Waters Observed:	None Observed
Documented Wetlands Identified:	None Observed
Source:	Baldy Mesa, CA Topographic Map, dated 1956, 1968, 1980, 1988, 1996 & 2018 U.S. Fish & Wildlife Service, Geospatial Wetlands Digital Data website
Comments:	Based on CCG's desktop review of soil information, FEMA Flood Zone Maps, NWI maps, topographic maps and observations made during site reconnaissance, no potential wetland indicators were identified.

4.1.4 Floodplain

FEMA Community Panel	06071C6475H
Date:	8/20/2008
Flood Zone	X
Description:	Areas of minimal flood hazard
Comments:	None

4.1.5 Soils

Source:	United States Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) website (http://websoilsurvey.nrcs.usda.gov)
Soil Type:	134 – Hesperia loamy fine sand, 2 to 5 percent slopes
Soil Description:	Please refer to the National Resource Conservation Services (NRCS) Soil Map included in Appendix 7.1.7 "Other Maps & Data" for additional information.

4.1.6 Geology

Source: Groundwater Atlas of the United States – Segment 1

Description: The structural deformation that produced the system of basins and ranges generally began in Tertiary time with block faulting along steeply dipping normal faults. Crustal extension produced horst and graben blocks in some places and tilted blocks in others. The downthrown parts of the blocks became basins; the upthrown parts became mountain ranges. Vertical displacement across the fault zones exceeded 10,000 feet in some areas. Many of the resulting basins are asymmetrical because the grabens are not centered in the valleys. As the mountain blocks were uplifted and eroded, sediment was carried by streams into the basins, and alluvial fans were formed. The fans coalesced to produce broad surfaces that sloped gently to the center of the basins, where finegrained sediments were deposited in lakes and playas. Coarsegrained sediments tended to be deposited near the steeper margins of basins. Fault movement resulting from continuing deformation offset some of these older sediments. Deformation and sedimentation occurred at different rates through the area; as a result, the thickness, areal extent, and grain size of the basin fill are highly varied.

Basin fill primarily consists of unconsolidated to moderately consolidated, well- to poorly sorted beds of gravel, sand, silt, and clay deposited on alluvial fans, pediments, flood plains, and playas. More cemented or compact sediments in the older basin fill and finer grained sediments near the center of the basin are less permeable than the coarser grained sediments near the margins of the basins. Evaporites, such as gypsum, anhydrite (calcium sulfate), and halite (rock salt) are present in the deeper fine-grained sediments of the central parts of some basins. Extrusive volcanic rocks also are interspersed with basin fill in some

basins; volcanic rocks overlie basin fill in a few areas. The thickness of the basin fill is not well known in some basins but ranges from about 1,000 to 5,000 feet in many basins and may exceed 10,000 in a few deep basins in Utah and south-central Arizona.

4.1.7 Hydrology

Source:	Groundwater Atlas of the United States – Segment 1
Description:	The Basin and Range aquifers are located in an area that comprises most of Nevada and the southern California desert. The water-yielding materials in this area are in valleys and basins, and consist primarily of unconsolidated alluvial-fan deposits, although locally flood plain and lacustrine (lake) beach deposits may yield water to wells. Also, the consolidated volcanic and carbonate rocks that underlie the unconsolidated alluvium are a source of water if the consolidated rocks are sufficiently fractured or have solution openings. Many of these valleys and basins are internally drained; that is, water from precipitation that falls within the basin recharges the aquifer and ultimately discharges to the land surface and evaporates within the basin. Ground water is generally under unconfined, or water-table, conditions at the margins of the basins, but as the unconsolidated deposits become finer grained toward the centers of the basins, the water becomes confined. Rarely, basins might be hydraulically connected in the subsurface by fractures or solution openings in the underlying bedrock. These multiple-basin systems end in a terminal discharge area, or sink, from which water leaves the flow system by evaporation. Also, several basins or valleys may develop surface-water drainage that hydraulically connects the basins, and ground water flows between the basins, mostly through the unconsolidated alluvial stream/flood plain sediments

4.1.8 Depth to Groundwater

Site Specific Depth to Groundwater:	Unknown
General Depth of Regional Groundwater:	Based on a review of surface water features and topographic conditions in the subject property area, perched tables are anticipated to be encountered at depths >100 feet below ground surface.

4.1.9 Groundwater Utilization

On-site Water Wells:	None Observed or Reported
Comments:	According to the subject property management, groundwater is not currently utilized on the subject property.

4.1.10 Groundwater Direction

Site Specific:	Unknown
Regional:	Northwest
Comments:	In order to determine actual groundwater flow beneath a site it is necessary to install a network of at least three permanent groundwater monitoring wells and perform a relative elevation survey. However, general groundwater flow can be inferred based on the natural slope of the land surface in the area of the subject property.

4.1.11 Oil and Gas Exploration/Distribution

Current On-site/Adjacent Oil or Gas Exploration:	None Observed
Historic On-site/Adjacent Oil or Gas Exploration:	None Identified
Current On-site/Adjacent Pipeline:	None Observed
Historic On-site/Adjacent Pipeline:	None Identified
Source:	Site reconnaissance, U.S. DOT National Pipeline Mapping System Website, historical USGS Baldy Mesa, CA topographical maps and historical aerial photographs
Comments:	None

4.2 Historical Use Information

4.2.1 Prior Uses of the Subject Property

Historic Sources Researched:	Historic aerial photographs, topographic maps and interviews with City/County officials and other individuals familiar with the history of the subject property
Earliest Date Researched:	1938 - Aerial Photograph
Historic Use of the Subject Property & Date Range:	Undeveloped land since at least 1938.
Development Date of Current Improvements:	N/A
Environmental Concerns Associated with Historic Use of the subject property:	☐ Historic Industrial Use ☐ Historic Agricultural Use ☐ Historic Dry Cleaner ☐ Historic Sand/Gravel Mining ☐ Historic Gas Station ☐ Other: ☒ No Environmental Concerns Associated with Historic Use of the Subject Property
Comments:	None
Historic Data Gaps:	Yes - See below
Historic Data Failure:	No
Comments:	ASTM E 1527-13 "Standard for Environmental Site Assessments" suggests historical usage for a property be determined back to 1940 or the property's first developed use, whichever is earliest. CCG reviewed Aerial Photographs back to 1938 and Topographic Maps back to 1956, but was unable to research the site history at 5-year intervals. No additional historical sources that were deemed reasonably ascertainable and likely to be sufficiently useful were identified at the time of the assessment. However, it is the Environmental Professional's opinion that this limitation would not alter the conclusions of this report.

4.2.2 Summary of Prior Phase I ESA, Environmental Checklists & Helpful Documents

CCG requested information from the User, Property Owner and Property Manager regarding the following documents/reports:

- Prior environmental compliance audit reports
- Environmental permits (i.e. solid waste disposal permits, hazardous waste disposal permits, waste water permits, NPDES permits, underground injection permits)
- Registrations for underground and above-ground storage tanks
- Safety data sheets
- Community Right to Know plans
- Safety Plans, preparedness and prevention plans; spill prevention, countermeasure and control plans; etc.
- Hydrogeologic reports
- Notice of violations
- Environmental liens

- Hazardous waste generator notices or reports
- Geotechnical studies
- Risk assessments
- Recorded activity and use limitations
- Any prior, current or pending proceedings involving the subject property relevant to hazardous substances or petroleum products

None of the requested documents were provided.

4.2.3 Aerial Photographs

Source:	Nationwide Environmental Title Research, Inc. (NETR)
Years Reviewed:	1938, 1952, 1968, 1994, 2002, 2009 & 2016
On-Site Concerns Identified:	☐ Yes ☒ No
Off-Site Concerns Identified:	☐ Yes ☒ No
Comments:	Copies of the aerial photographs reviewed for this assessment are included in Appendix 7.1.3 "Aerial Photographs".
Aerial Photographs Reviewed in Prior Report:	☐ Yes ☐ No ☒ Not Applicable ☐ Generally consistent with CCG's findings

4.2.4 Fire Insurance Maps

Fire Insurance Maps can be reviewed for information regarding historic property use. Historical use information was obtained using ASTM approved standard historical sources which did not include the review of Fire Insurance Maps.

Source:	No Coverage Available
Years Reviewed:	No Coverage Available
On-Site Concerns Identified:	☐ Yes ☐ No ☒ Not Applicable
Off-Site Concerns Identified:	☐ Yes ☐ No ☒ Not Applicable
Comments:	Not Applicable
Fire Insurance Maps Reviewed in Prior Report:	☐ Yes ☐ No ☒ Not Applicable ☐ Generally consistent with CCG's findings

4.2.5 City Directories

Source:	No Coverage Available
City Directory Type:	No Coverage Available
Years Reviewed:	No Coverage Available
Address Listings Reviewed:	No Coverage Available
On-Site Concerns Identified:	☐ Yes ☐ No ☒ Not Applicable
Off-Site Concerns Identified:	☐ Yes ☐ No ☒ Not Applicable

Comments:	Not Applicable
City Directories Reviewed in Prior Report:	☐ Yes ☐ No ☒ Not Applicable ☐ Generally consistent with CCG's findings

4.2.6 Other Maps

Historical USGS topographic maps can be reviewed to identify improvements and other historical conditions for the subject property and surrounding sites.

Source:	United States Geological Survey (USGS) 7.5-minute Topographic Quadrangle Map for Baldy Mesa, CA
Map Date(s):	1956, 1968, 1980, 1988, 1996 & 2018
On-Site Concerns Identified:	☐ Yes ☒ No
Off-Site Concerns Identified:	☐ Yes ☒ No
Comments:	A copy of the most recent USGS topographic map is included in Appendix 7.1.4 "Topographical Maps".
Other Maps Reviewed in Prior Report:	☐ Yes ☐ No ☒ Not Applicable ☐ Generally consistent with CCG's findings

4.2.7 Title Records / Property Tax Files

Title records and property tax files can be reviewed to identify potential environmentally suspect historic owners of the subject property, as well as AULs filed against the subject property.

Documents Reviewed:	Please refer to Sections 2.1 "Title Records" and 2.2 "Environmental Liens / Activity and Use Limitations" for additional information.

4.2.8 Zoning/Land Use Records

Source:	Not Applicable
Description:	Not Applicable
Comments:	Zoning and land use records can be reviewed for information regarding historic zoning designations and land uses for the subject property. Historical use information was obtained using ASTM approved standard historical sources which did not include the review of historical zoning and land use records.

4.2.9 Other Historical Sources

Source:	Not Applicable
Description:	Not Applicable
Comments:	No other sources were reviewed to determine the historic use of the subject property.

4.2.10 Personal Interviews

Source:	See Below
Description:	See Below
Comments:	CCG interviewed multiple individuals regarding the historic use of the subject property. Please refer to Section 5.3 "Interviews" for information regarding personal interviews performed as a part of this investigation.

4.3 Properties and Areas Surrounding the Site

4.3.1 Current Use of Adjacent Properties

CURRENT ADJACENT PROPERTIES	
North:	Vacant undeveloped land followed by Sultana Street (dirt road)
East:	Mesa Linda Street followed by undeveloped land
South:	Poplar Street followed by undeveloped land and a retail strip shopping center / flex warehouses (southwest)
West:	Three Flags Avenue/Lassen Road (dirt road) followed by undeveloped land

Comments: Please refer to Section 4.4.1 "Mapped Database Records Search – Off-Site Facilities of Potential Concern" for additional information regarding several tenants of the adjacent south retail strip center / flex warehouse park.

A site plan of the subject property was prepared by CCG personnel and is included in Appendix 7.1, "Site Background Attachments".

4.3.2 Past Use of Adjacent Properties

PAST ADJACENT PROPERTIES		
North:	1938 – 1968: 1994 - Present:	Undeveloped land Undeveloped land followed by a dirt road (Sultana Street)
East:	1938 – 1968: 1994 - Present:	Undeveloped land Mesa Linda Street followed by undeveloped land
South:	1938 – 1968: 1994 – 2002: 2009 - Present:	Undeveloped land Poplar Street followed by undeveloped land Poplar Street followed by undeveloped land and retail strip shopping/ flex warehouses (southwest)
West:	1938 – 1968: 1994 - Present:	Undeveloped land Dirt road (Three Flags Avenue/Lassen Road) followed by undeveloped land

Comments: Please refer to Section 4.4.1 "Mapped Database Records Search – Off-Site Facilities of Potential Concern" for additional information regarding several tenants of the adjacent south retail strip center / flex warehouse park.

No other environmental concerns were identified associated with the past adjacent properties.

4.3.3 Current Uses of Surrounding Areas

Development in the area surrounding the subject property consists primarily of:

☒ Undeveloped land
☒ Vacant land
☐ Agricultural land
☐ Single-family residences
☒ Retail/Commercial development
☐ Commercial office development
☐ Medical office development
☒ Warehouse/flex space facilities

☐ Multi-family residences
☐ Light industrial facilities
☐ School(s)
☐ Other:

Comments: No environmental concerns were identified associated with the current use of the surrounding areas.

4.3.4 Past Uses of Surrounding Areas

Past development in the areas surrounding the subject property consisted primarily of:

☒ Undeveloped land
☐ Retail/Commercial development
☐ Vacant land
☐ Commercial office development
☐ Agricultural land
☐ Medical office development
☐ Single-family residences
☐ Warehouse/flex space facilities
☐ Multi-family residences
☐ Light industrial facilities
☐ School(s)
☐ Other:

Comments: No environmental concerns were identified associated with the past use of the surrounding areas.

4.4 Environmental Records Reviews and Interviews

4.4.1 Mapped Database Records Search

CCG's regulatory search for the subject property included a review of U.S. EPA and State of CA databases. The information was compiled through a Regulatory Database Report prepared by Environmental Risk Information Services (ERIS). The database searches were performed for various radii, in accordance with ASTM standards. Descriptions of the State and Federal databases reviewed are contained in the Regulatory Database Report which is included in Appendix 7.2 "Governmental Agency Records Attachments".

CCG has not attempted to verify the accuracy or completeness of all the information provided. Any data search information, which potentially impacts the environmental integrity of the subject property, is investigated further if necessary. The following table summarizes the number of sites on the respective databases as identified by the Regulatory Database Report.

REGULATORY DATABASE SUMMARY TABLE		
Databases Reviewed	**Minimum Search Area**	**Sites Within Search Area**
FEDERAL DATABASES		
Federal NPL list	1-mile radius	-
Federal PNPL list	1-mile radius	-
Federal DNPL list	1-mile radius	-
Federal SEMS list	½-mile radius	-
Federal SEMS ARCHIVE list	½-mile radius	-
Federal ODI list	½-mile radius	-
Federal IODI list	½-mile radius	-
Federal CERCLIS list	½-mile radius	-
Federal CERCLIS NFRAP list	½-mile radius	-
Federal CERCLIS LIENS list	Subject Property	-
Federal RCRA CORRACTS facilities list	1-mile radius	-
Federal RCRA TSD facilities list	½-mile radius	-
Federal RCRA LQG/SQG/CESQG generators list	¼-mile radius	-
Federal RCRA NON-GEN list	¼-mile radius	**4**
Federal ENG/INST controls list	½-mile radius	-
Federal ERNS list	Subject Property	-
Federal BROWNFIELDS list	½-mile radius	-
Federal FEMA UST list	¼-mile radius	-
Federal REFN list	¼-mile radius	-
Federal BULK TERMINAL list	¼-mile radius	-
Federal SEMS LIEN list	Subject Property	-
Federal SUPERFUND ROD list	1-mile radius	-
STATE DATABASES		
State RESPONSE list	1-mile radius	-
State ENVIROSTOR list	1-mile radius	**3**
State SWF/LF list	½-mile radius	-
State CLI list	½-mile radius	-
State IHW list	¼-mile radius	-
State IHW CORR ACTION list	¼-mile radius	-
State LUST list	½-mile radius	**1**
State UST/AST/PST list	¼-mile radius	**1**
State DTNK list	¼-mile radius	-
State AUL list	½-mile radius	-
State VCP site	½-mile radius	-
State IOP list	½-mile radius	-
State BROWNFIELDS list	½-mile radius	-
State MSD list	½-mile radius	-
ADDITIONAL ENVIRONMENTAL RECORDS		
Various	Various	**16**

Orphan Sites

Two (2) "orphan" (location unknown/unplottable) sites were identified on the Regulatory Database Report. Based on CCG's review of the orphan list, review of local maps and observations made during the reconnaissance of the subject property and surrounding areas, the orphan facilities/listings do not appear to be located in the general vicinity of the subject property.

Regulatory Database Listings for the Subject Property

The Regulatory Database Report did not identify any federal or state regulatory listings for the subject property.

Off-Site Facilities of Potential Concern

The following table summarizes nearby facilities of potential concern based on CCG's review of the Regulatory Database Report:

REGULATORY DATABASE SUMMARY TABLE				
Facility Name & Address	***Distance (miles), Direction, Gradient***	***Applicable Databases***	***Current Status***	***Concern?***
Desert Dynamics Off Road 12221 Poplar Street, Building B-10	Adjacent* Southwest Cross to upgradient	CUPA	**CUPA –** Indexing database maintained by the San Bernardino County Fire Department on behalf of California EPA. Facility listed as a "Hazmat Handler, 0-10 Employees". Permit issued on October 31, 2010. No reported violations or releases.	No, based on current regulatory status (no reported violations / releases)
The Litzenberger Company 12221 Poplar Street, Suite 14	Adjacent* Southwest Cross to upgradient	CUPA	**CUPA –** Indexing database maintained by the San Bernardino County Fire Department on behalf of California EPA. Facility listed as a "Hazmat Handler, 0-10 Employees". Permit issued on February 28, 2013. No reported violations or releases.	No, based on current regulatory status (no reported violations / releases)
3M Oak Hills 12221 Poplar Street, Unit D-20	Adjacent* Southwest Cross to upgradient	CUPA CERS HAZ	**CUPA –** Indexing database maintained by the San Bernardino County Fire Department on behalf of California EPA. Facility listed as a "Hazmat Handler, 11-30 Chemicals". Permit issued on November 30, 2020. No reported violations or releases. **CERS HAZ –** Several recordkeeping violations reported in 2016 and 2019. All violations reportedly returned to compliance.	No, based on current regulatory status (no reported releases / recordkeeping violations only)
Superior Pool Products, LLC 12221 Poplar Street, Building E	Adjacent* Southwest Cross to upgradient	CERS HAZ	**CERS HAZ –** No reported violations or release.	No, based on current regulatory status (no reported violations / releases)

* Field Verified

Based upon the mitigating factors stated above, CCG does not consider the above referenced facilities to be an environmental concern at this time.

Other Listed Facilities

No other properties that were identified on the Regulatory Database Report within the ASTM-designated search radii are considered by CCG to pose a potential risk of impacting the subject property based on their regulatory information, distance and/or topographic direction from the subject property.

Vapor Encroachment Condition (VEC)

No RECs, CRECs or HRECs were identified in connection with the subject property. Based on a review of the regulatory database report, no facilities were identified which CCG considers a VEC concern to the subject property.

4.4.2 Additional Regulatory Agency Information

City/County Department of Health/Environmental Division

Information Requested:	Any information regarding hazardous material spills, permits for water wells, grease traps, septic systems, ASTs/USTs and general information regarding environmental issues/complaints associated with the subject property.
Response:	At the time of writing, a response from the department has not been received. Any pertinent information will be forwarded to the Client upon receipt.

Fire Department

Information Requested:	Any information regarding records of ASTs/USTs or hazardous material spills associated with the subject property.
Response:	At the time of writing, a response from the department has not been received. Any pertinent information will be forwarded to the Client upon receipt.

Planning and Zoning Department

Information Requested:	Information regarding the current and historic zoning designations for the subject property.
Current Zoning Designation:	CIBP - Commercial Industrial Business Park
Historic Zoning Designation:	No information regarding historic zoning designations was provided.

Building Permit/Inspection Department

Information Requested:	Any information regarding demolition permits, the construction/remodel year of the subject property and records of permits for ASTs/USTs.
Response:	At the time of writing, a response from the department has not been received. Any pertinent information will be forwarded to the Client upon receipt.

Local/Regional Pollution Control Agency

Information Reviewed:	CCG reviewed various State and Federal Databases for information regarding hazardous material spills or identified contamination associated with the subject property.
Response:	The subject property is not listed on any of the state or federal databases searched in conjunction with this Phase I ESA.

Appraisal District

Information Reviewed:	No information regarding environmental liens or activity and use limitations (i.e. deed restrictions or institutional/engineering controls) was identified based upon a review of the County Assessor's Office information. Please refer to Section 2.2 "Environmental Liens/Activity and Use Limitations" for additional information regarding environmental liens and activity and use limitations for the subject property.

5.0 SITE RECONNAISSANCE AND INVESTIGATION

The site inspection was conducted in accordance with the methodologies referred to in ASTM 1527-13 Section 9 (Site Reconnaissance) and the Client Scope of Work. Visual observations of the exterior of the subject property and all improvements were made during the site inspection. When necessary, large tracts of undeveloped/unimproved areas were inspected by walking or driving a grid pattern. Accessible common areas, maintenance, mechanical and repair areas and a representative sampling of occupant spaces were also inspected.

Site Inspector:	Dan Weis
Inspection Date:	10/14/2020
Inspection Time:	8:00 AM
Site Escort:	CCG was unescorted during the site inspection.
Units Inspected:	CCG inspected the subject property by walking and/or driving the perimeter of the subject property and any unimproved dirt roads. The interior of the subject property was inspected by walking a grid pattern.
Weather Conditions:	The weather conditions during the site inspection were clear with air temperatures in the 80s (degrees Fahrenheit).
Limitations to Site Inspection:	The following limitations to the site inspection were encountered during the course of this investigation. • CCG was unescorted during the site inspection. No other limitations to the site inspection methodology were encountered during the course of this assessment.
Comments:	It is the Environmental Professional's opinion that these limitations would not alter the conclusions of this report.

5.1 General Site Characteristics

5.1.1 Solid Waste Disposal

Collection Points:	None Observed
Disposal Contractor:	N/A
Comments:	Please refer to Section 5.2.8 "Landfills" for additional information regarding the debris / dumping observed throughout the subject property.

5.1.2 Sanitary Sewage Discharge and Disposal

Floor Drains:	None Observed
Trench Drains:	None Observed
Grease Traps:	None Observed
Oil Water Separators:	None Observed
Sand Traps:	None Observed
Septic Systems:	None Observed

Utility Provider:	N/A
Comments:	CCG did not observe any evidence of hazardous chemical/waste or petroleum product releases or disposal activities, such as significant surface stains in the area of the on-site sanitary sewer features.

5.1.3 Surface Water Drainage and Natural Surface Water Features

Surface flow to adjacent properties & streets:	Yes
On-site Storm Drains:	None Observed
Dry-wells:	None Observed
Drainage Ditches:	Yes - See below
Retention Pond:	None Observed
Detention Pond:	None Observed
Natural Surface Water Features (ponds, streams, lagoons, etc.):	Yes - See below
Storm Water Utility Provider:	City of Hesperia
Comments:	A natural drainage swale is visible on aerial photographs since 1938. The swale is located on the west central portion (slightly west of the centerline between the tracts) of the property roughly between the two lots. Review of topographic maps and wetland maps did not identify any natural surface water features in the area of the drainage swale. In addition, two concrete drainage culverts were observed in the central portion of the south property boundary adjacent to Poplar Street. CCG did not observe any evidence of hazardous chemical/waste or petroleum product releases or disposal activities, such as significant surface stains in the area of the on-site surface water drainage features. CCG does not consider the presence of the drainage swale an environmental concern.

5.1.4 Heating and Cooling Systems

HVAC Type:	N/A
Hot Water Source:	N/A
Comments:	The subject property is currently undeveloped.

5.1.5 Water Wells, Cisterns and Springs

On-site Water Wells:	None Observed
On-site Monitoring Wells:	None Observed
On-site Cisterns:	None Observed

On-site Springs:	None Observed
Comments:	None

5.1.6 Potable Water

On-site Domestic Water Source:	None Observed
Comments:	None

5.1.7 Wastewater

Sanitary Wastewater Discharges:	None Observed
Process Wastewater Discharges:	None Observed
Other Wastewater Discharges:	None Observed
Comments:	None

5.1.8 Additional Property Impacts

Comments:	With the exception of those discussed throughout the body of this report, no other conditions of concern were identified on the subject property.

5.2 Potential Environmental Hazards

5.2.1 Hazardous Substances & Petroleum Products Used or Stored on the Subject Property

CCG did not observe any hazardous chemicals or petroleum products stored on the subject property.

5.2.1.1 Labeled Containers and Drums

Comments: Other than the materials discussed in Section 5.2.8 "Landfills", CCG did not observe any containers or drums labeled as containing hazardous materials and/or petroleum products stored on the subject property.

5.2.1.2 Unlabeled Containers and Drums

Comments: CCG did not observe any unlabeled containers or drums on the subject property.

5.2.1.3 Disposal Locations of Regulated / Hazardous Wastes

Comments: CCG did not observe any regulated/hazardous waste disposal locations on the subject property. According to management, there is no regulated/hazardous waste disposal on the subject property.

5.2.2 Evidence of Releases or Disposal of Hazardous Substances & Petroleum Products

Comments: CCG did not observe any evidence of hazardous chemical or petroleum product releases or disposal activities, such as significant surface stains or distressed vegetation.

5.2.3 Polychlorinated Biphenyls (PCBs)

PCBs often are found in electrical equipment such as transformers, ballasts in fluorescent lighting, circuit breakers and switchgears, and hydraulic fluids. PCBs contain toxic compounds that attach to human fat tissue and may act as possible carcinogens if ingested.

Transformers Present On-site:	☐ Yes	☒ No
Transformer Locations On-site:	N/A	
Transformer Type:	N/A	
Evidence of leaks or spills:	N/A	
Transformer Owner:	N/A	
Comments:	None	
Fluorescent Lighting Present On-site:	☐ Yes	☒ No
Fluorescent Lighting Locations On-site:	N/A	
Comments:	N/A	
Hydraulic Elevators Present	None Observed	

On-site:	
Elevator Locations On-site:	N/A
Comments:	None
Hydraulic Lifts Present On-site:	None Observed
Hydraulic Lift Locations On-site:	N/A
Comments:	None
Other PCB Equipment:	No other potential PCB-containing equipment, such as hydraulic lifts/systems, was identified on the subject property.

5.2.4 Asbestos-Containing Materials

Comments:	In accordance with the Client scope of work and given current property use (undeveloped land), asbestos sampling was not conducted as a part of this investigation.

5.2.5 Radon

EPA Radon Zone:	Zone 2
Radon Zone Definition:	Areas that have an average predicted indoor radon screening potential of between 2.0 and 4.0 pCi/L (picocuries per liter of air) for radon gas. The EPA and Surgeon General strongly recommend taking action when radon test results are 4.0 pCi/L or greater.
Comments:	In accordance with the Client scope of work and given current property use (undeveloped land), radon sampling was not conducted as a part of this investigation.

5.2.6 Lead-Based Paint

Comments:	In accordance with the Client scope of work and based on current property use (undeveloped land), lead-based paint sampling was not conducted as a part of this investigation.

5.2.7 Lead in Drinking Water

Comments:	In accordance with the Client scope of work and based on current property use (undeveloped land), lead in drinking water sampling was not conducted as a part of this investigation.

5.2.8 Landfills

Comments:	CCG did not observe any evidence of current or historic landfills on the subject property. However, several debris piles / dump sites and scattered windblown debris were observed on the subject property. Observed debris generally consisted of municipal waste (paper, plastic, etc.) and

construction debris (lumber, concrete, asphalt / gravel, roofing materials, etc.). However, multiple scrap truck tires and several empty retail sized containers of automotive fluids (motor oil, antifreeze, etc.) were also observed. No staining or other obvious evidence of a release was observed in these areas. However, CCG considers the observed debris (including scrap tires and empty automotive fluid containers) to represent a de minimis condition in connection with the subject property.

5.2.9 Pits, Sumps, Dry Wells and Catch Basins

Comments:	CCG did not observe any evidence of pits, sumps or catch basins on the subject property.

5.2.10 On-Site Aboveground and Underground Storage Tanks

Current On-site ASTs:	None Observed
Historic On-site ASTs:	None Identified
Current On-site USTs:	None Observed
Historic On-site USTs:	None Identified
Comments:	No evidence of current or historic aboveground or underground storage tanks was observed on the subject property. According to the subject property manager, there are no USTs/ASTs located on the subject property. Furthermore, the subject property manager was unaware of the presence of historic/former USTs/ASTs located on the subject property.

5.2.11 Radiological Hazards

Comments:	CCG did not observe any evidence of radiological hazards associated with the subject property.

5.2.12 Suspect Microbial Growth (SMG)

Visual Evidence of SMG:	N/A
Visual Evidence of Water Damage:	N/A
Visual Evidence of Roof, Sidewall or Window Leaks:	N/A
Visual Evidence of HVAC/Plumbing Leaks:	N/A
Property Management Reports of Current or Past SMG:	N/A
High Humidity Levels Inside Building:	N/A
Comments:	In accordance with the Scope of Work and based on current property use (undeveloped land), mold sampling was not conducted at the subject

property.

5.2.13 Additional Hazard Observations

5.2.13.1 Electro-Magnetic Fields (EMFs)

Comments: No high voltage electrical transmission lines are located on or adjacent to the subject property, therefore EMFs are not considered an environmental concern to the subject property.

5.2.13.2 Urea Formaldehyde

Comments: In accordance with the Scope of Work and based on current property use (undeveloped land), destructive testing for urea formaldehyde insulation was not performed.

5.2.13.3 Other Concerns

Comments: With the exception of those noted in previous sections, no additional hazards were observed.

5.3 Interviews

5.3.1 User

Individual Interviewed:	Mr. Brandon Gallup - Covington Group, LLC
Relationship to Subject Property:	*User* of the report
Interview Form Completed:	☐ Yes ☒ No
Interview Results:	N/A
Comments:	At the time of writing, the interview questionnaire had not been returned to CCG. It is the Environmental Professional's opinion that sufficient information regarding the current and historic use of the subject property was obtained through other sources and that completion of the interview questionnaire is not necessary to form an opinion regarding RECs, CRECs, HRECs or business environmental risks relating to the subject property.

5.3.2 Property Owner Representative

Individual Interviewed:	None Identified
Relationship to Subject Property:	Property Owner Representative/Key Site Manager
Interview Form Completed:	☐ Yes ☒ No
Interview Results:	N/A – No specific individual interviewed
Comments:	It is the Environmental Professional's opinion that sufficient information regarding the current and historic use of the subject property was obtained through other sources and that completion of the interview questionnaire is not necessary to form an opinion regarding RECs, CRECs, HRECs or business environmental risks relating to the subject property.

5.3.3 Key Site Manager

Individual Interviewed:	None Identified
Relationship to Subject Property:	Property Owner Representative/Key Site Manager
Interview Form Completed:	☐ Yes ☒ No
Interview Results:	N/A – No specific individual interviewed
Comments:	It is the Environmental Professional's opinion that sufficient information regarding the current and historic use of the subject property was obtained through other sources and that completion of the interview questionnaire is not necessary to form an opinion regarding RECs, CRECs, HRECs or business environmental risks relating to the subject property.

5.3.4 Occupants

Individual Interviewed:	N/A
Relationship to Subject	N/A

Property:	
Interview Form Completed:	N/A
Interview Results:	N/A
Comments:	The subject property is currently undeveloped.

5.3.5 Past Owners, Operators and Occupants

Individual Interviewed:	N/A
Relationship to Subject Property:	N/A
Interview Form Completed:	N/A
Interview Results:	N/A
Comments:	No past owners, operators or occupants of the subject property were interviewed during the course of this investigation. It is the Environmental Professional's opinion that sufficient information regarding the current and historic use of the subject property was obtained through other sources that interviews of these individuals were not necessary to form an opinion regarding RECs, CRECs, HRECs or business environmental risks relating to the subject property.

5.3.6 Adjacent Property Owners, Operators and Occupants

Individual Interviewed:	N/A
Relationship to Subject Property:	N/A
Interview Form Completed:	N/A
Interview Results:	N/A
Comments:	No adjacent property owners, operators or occupants were interviewed regarding the subject property during the course of this investigation. It is the Environmental Professional's opinion that sufficient information regarding the current and historic use of the subject property was obtained through other sources and that interviews of these individuals were not necessary to form an opinion regarding RECs, CRECs, HRECs or business environmental risks relating to the subject property.

5.3.7 State and/or Local Government Officials

Comments: CCG interviewed multiple state and local governmental agencies for information regarding the subject property. These agencies included:

- City/County Environmental Protection Division
- City/County Fire Marshal
- City/County Planning Department
- Local/Regional Pollution Control Agency

- County Central Appraisal District
- Local/Regional Water Quality Agency

Please refer to Section 4.4.2 "Additional Regulatory Agency Information" and Appendix 7.3 "Interview Record Attachments" regarding information obtained as a result of these interviews.

5.4 Additional Services

According to ASTM E1527-2013 Standard Practice for Environmental Site Assessments, *"There may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice (the non-scope considerations). As noted by the legal analysis in Appendix X1 of this practice, some substances may be present on a property in quantities and under conditions that may lead to contamination of the property or of nearby properties but are not included in CERCLA's definition of hazardous substances (42 USC 9601(14)) or do not otherwise present potential CERCLA liability…"*

These "non-scope considerations" may pose a business environmental risk to the property and are classified as "Additional Services". Other than those previously discussed in the body of this report, the following are several additional non-scope considerations identified by ASTM that may be assessed in connection with commercial real estate. According to ASTM *"…No implication is intended as to the relative importance of inquiry into such non-scope considerations and this list of non-scope considerations is not intended to be all inclusive"*.

5.4.1 Regulatory Compliance

Comments: A regulatory compliance review is beyond the scope of this investigation. However, based on CCG's general observations during the site reconnaissance, no areas of gross non-compliance were observed.

5.4.2 Cultural and Historic Designations

Comments: A review of cultural and/or historical designations for the subject property is beyond the scope of this investigation. However, based upon the location of the subject property and the lack of on-site improvements, it is unlikely regulations regarding cultural and/or historical property designations would represent a concern to current operations or future development of the subject property.

5.4.3 Coastal Development Zone

Comments: Based upon the location of the subject property, it is unlikely regulations regarding coastal development zones would represent a concern to current operations or future development of the subject property.

5.4.4 Endangered Species

Comments: Federally-listed threatened and endangered species and their habitats are protected under the Endangered Species Act of 1973, as amended. Individuals of state-listed species are protected under state law, although their habitats are not currently given regulatory protection. A review of

endangered species on or in the vicinity of the subject property is beyond the scope of this investigation. However, according to the California Department of Fish & Wildlife there are multiple rare, threatened or endangered species listed for San Bernardino County.

5.4.5 Indoor Air Quality

Comments: A review of indoor air quality on or in the vicinity of the subject property is beyond the scope of this investigation.

5.4.6 Biological Agents

Comments: An evaluation of biological agents on the subject property is beyond the scope of this investigation. However, based on CCG's general observations during the site reconnaissance, no specific concerns regarding biological agents were observed.

5.4.7 Compliance with Activity & Use Limitations

Comments: Parties who wish to qualify for one of the CERCLA "Land Owner Liability Protections" (LLPs) must comply with activity and use limitations (AULs), including land use restrictions that were relied upon in connection with a response action for a subject property. The *User* did not inform CCG of any AULs, imposed on the subject property.

Please refer to Section 2.2 "Environmental Liens / Activity and Use Limitations" for additional information.

6.0 CONSULTANT INFORMATION

6.1 Project Personnel

The following individuals performed this ESA, including inspectors, research assistants, project managers, senior reviewers, etc.:

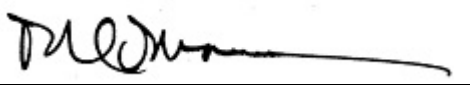
Dan Weis, Site Inspector
Tonya Golden, Project Manager
Richard A. Mosman, Environmental Professional

This Phase I ESA was prepared by Tonya Golden, Project Manager, and was conducted under the direct supervision of Richard A. Mosman, an environmental professional, who has reviewed and approved the Report. In addition, the methods and procedures employed in the development of the Report conform to minimum industry standards.

6.2 Report Certification

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Richard A. Mosman
Environmental Professional

6.3 Certification/Licensing

The Contractor and all subcontractors are properly licensed and/or certified to do the work described herein where required.

6.4 Report Reliance

This Phase I Environmental Site Assessment was conducted in general accordance with ASTM Standard Practices for Environmental Site Assessments (E-1527-13) for the exclusive benefit of Ardent Financial & Centennial Bank, an Arkansas State-Chartered bank, and its successors and/or assigns as their interest may appear c/o Covington Investments, LLC its successors and/or assigns. It is based, in part, upon documents, writings, and information owned, possessed, or secured by Consolidated Consulting Group, LLC. Neither this report, nor any information contained herein shall be used or relied upon for any purpose by any other person or entity without the express written permission of Consolidated Consulting Group, LLC.

7.0 APPENDICES

7.1 Site Background Attachments

Category	Attached	Not Applicable
7.1.1 Photographs	**X**	
7.1.2 Site Drawing	**X**	
7.1.3 Aerial Photographs	**X**	
7.1.4 Topographic Map	**X**	
7.1.5 Fire Insurance Maps		**X**
7.1.6 City Directories		**X**
7.1.7 Other Maps & Data	**X**	
7.1.8 Title Search Records		**X**
7.1.9 References	**X**	

Project No.: CCG-4757

17.87 Acre Tract
Tracts 3 & 4 Poplar and Mesa Linda Streets
Hesperia, CA 92344



View of subject property signage



View of representative undeveloped land



View of northern property line looking west



View of eastern property line looking north



View of southern property line looking east



View of western property line looking north

Project No.: CCG-4757

17.87 Acre Tract
Tracts 3 & 4 Poplar and Mesa Linda Streets
Hesperia, CA 92344



View of representative dumping
(construction debris / rubble)



View of representative dumping
(municipal debris)



View of representative dumping
(municipal debris / tires)



View of representative hydrant



View of representative survey marker



View of representative drain conduit on southern property line



Adjacent North: Undeveloped land



Adjacent East: Mesa Linda Street followed by undeveloped land



Adjacent South: Poplar Street followed by undeveloped land



Adjacent South: Poplar Street followed by retail strip shopping center / flex warehouses



Adjacent West: Three Flags Avenue (Lassen Road) followed by undeveloped land



Project Name:	Lots 3 & 4 - 17.87 Acres Undeveloped Land
Address:	NW of the Intersection of Poplar Street & Mesa Linda Street Hesperia, CA 92344
Project #:	CCG-4757
Date:	October 2020

Legend:

N

Drawing Not to Scale

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SITE PLAN



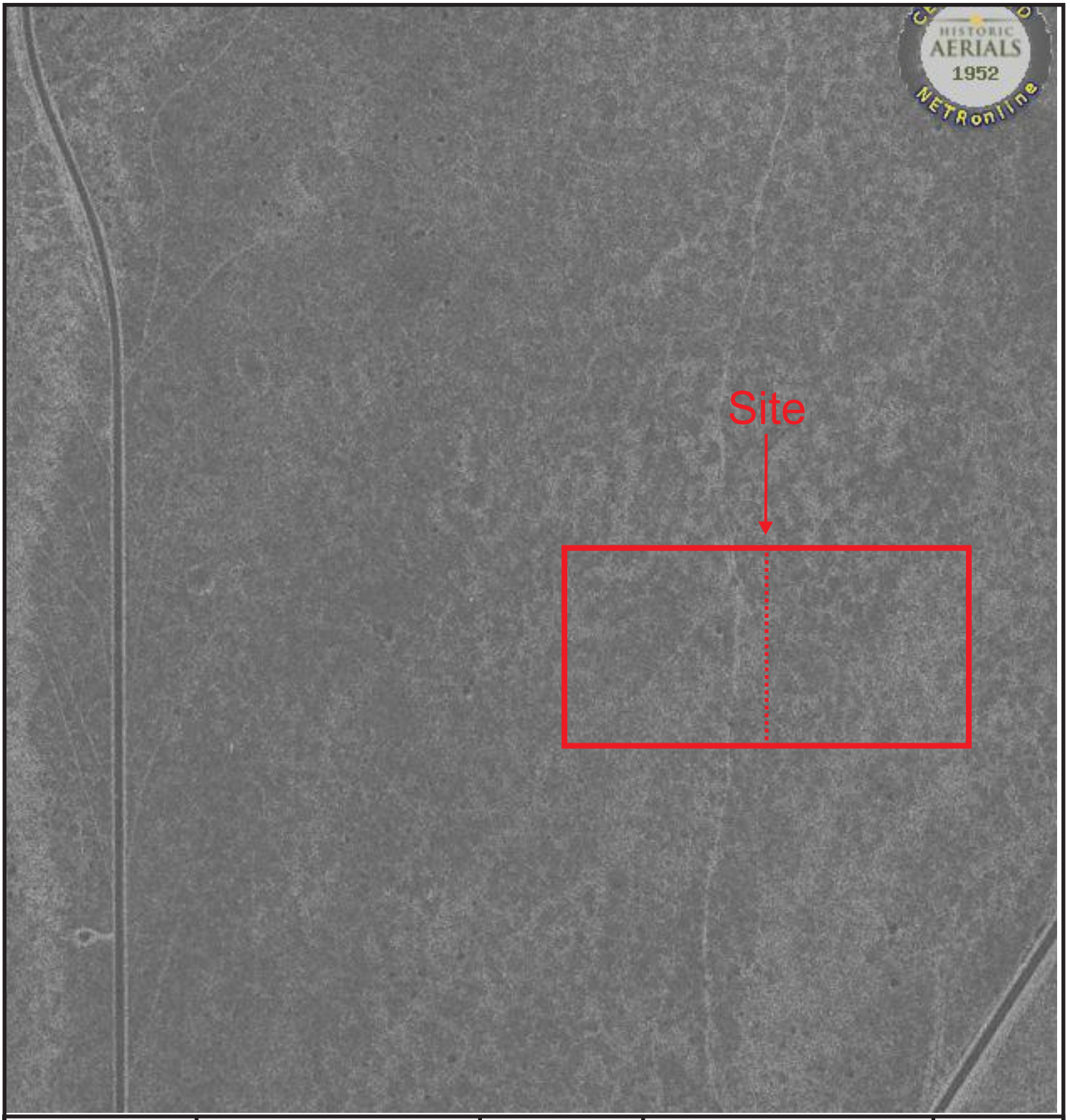
Project Name:	17.87 Acre Tract	**Photo Date:**	1938	N
Address:	Tracts 3 & 4 Poplar Street Hesperia, CA 92344	**Source:**	NETR	
Project #:	CCG-4757	**Scale:**	1"=325'	
Date:	August 2020			

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AERIAL PHOTOGRAPH



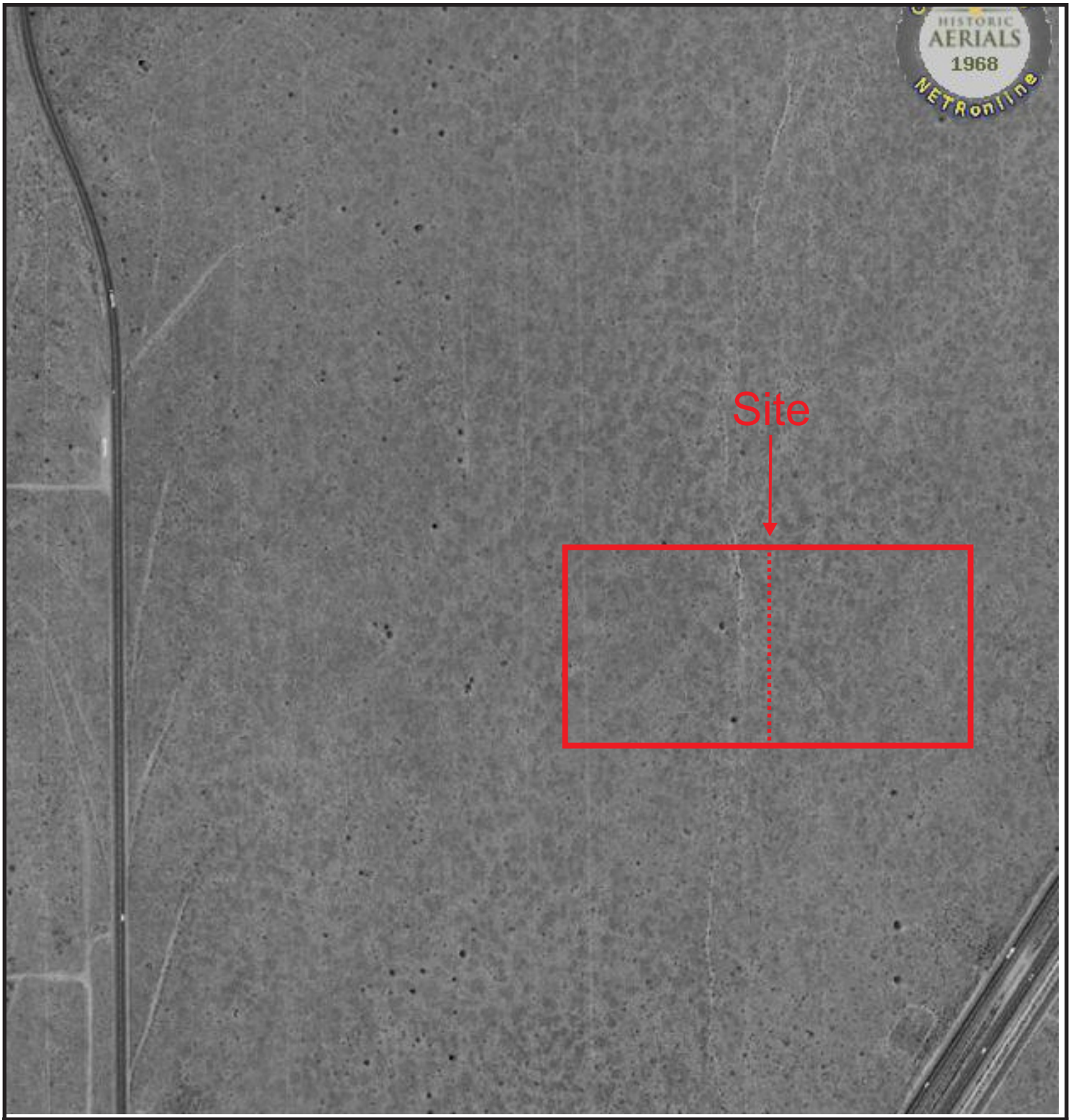
Project Name:	17.87 Acre Tract	**Photo Date:**	1952	N
Address:	Tracts 3 & 4 Poplar Street Hesperia, CA 92344	**Source:**	NETR	
Project #:	CCG-4757	**Scale:**	1"=325'	
Date:	August 2020			

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AERIAL PHOTOGRAPH



Project Name:	17.87 Acre Tract	**Photo Date:**	1968	N
Address:	Tracts 3 & 4 Poplar Street Hesperia, CA 92344	**Source:**	NETR	
Project #:	CCG-4757	**Scale:**	1"=325'	
Date:	August 2020			

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AERIAL PHOTOGRAPH



Project Name:	17.87 Acre Tract	**Photo Date:**	1994	N
Address:	Tracts 3 & 4 Poplar Street Hesperia, CA 92344	**Source:**	NETR	
Project #:	CCG-4757	**Scale:**	1"=325'	
Date:	August 2020			

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AERIAL PHOTOGRAPH



Project Name:	17.87 Acre Tract	**Photo Date:**	2002	N
Address:	Tracts 3 & 4 Poplar Street Hesperia, CA 92344	**Source:**	NETR	
Project #:	CCG-4757	**Scale:**	1"=325'	
Date:	August 2020			

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AERIAL PHOTOGRAPH



Project Name:	17.87 Acre Tract	**Photo Date:**	2009	N
Address:	Tracts 3 & 4 Poplar Street Hesperia, CA 92344	**Source:**	NETR	
Project #:	CCG-4757	**Scale:**	1"=325'	
Date:	August 2020			

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AERIAL PHOTOGRAPH



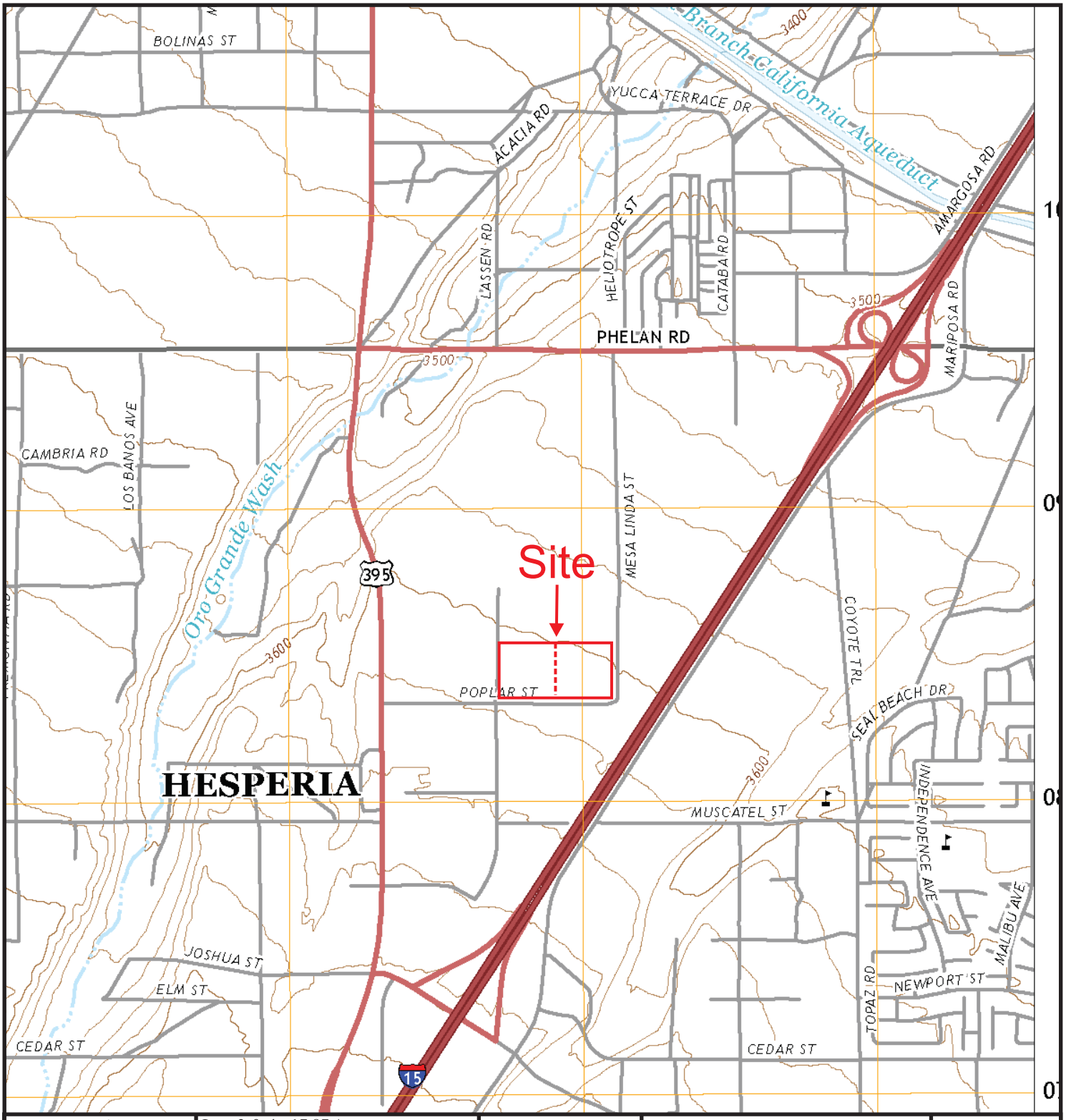
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Address:	Tracts 3 & 4 Poplar Street Hesperia, CA 92344	**Source:**	NETR	
Project #:	CCG-4757	**Scale:**	1"=325'	
Date:	August 2020			

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AERIAL PHOTOGRAPH



Project Name:	Lots 3 & 4 - 17.87 Acres	**Map Name:**	Baldy Mesa, CA	N
Address:	Undeveloped Land NW of the Intersection of Poplar Street & Mesa Linda Street Hesperia, CA 92344	**Map Date:**	2018	
Project #:	CCG-4756			
Date:	October 2020			

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USGS TOPOGRAPHIC MAP



PIN
- Approximate location based on user input and does not represent an authoritative property location

MAP PANELS
- Selected FloodMap Boundary
- Digital Data Available
- No Digital Data Available
- Unmapped

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone D
- Otherwise Protected Area
- Coastal Barrier Resource System Area

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth
- Regulatory Floodway Zone AE, AO, AH, VE, AR

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone D

OTHER FEATURES
- 20.2 / 17.5 — Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

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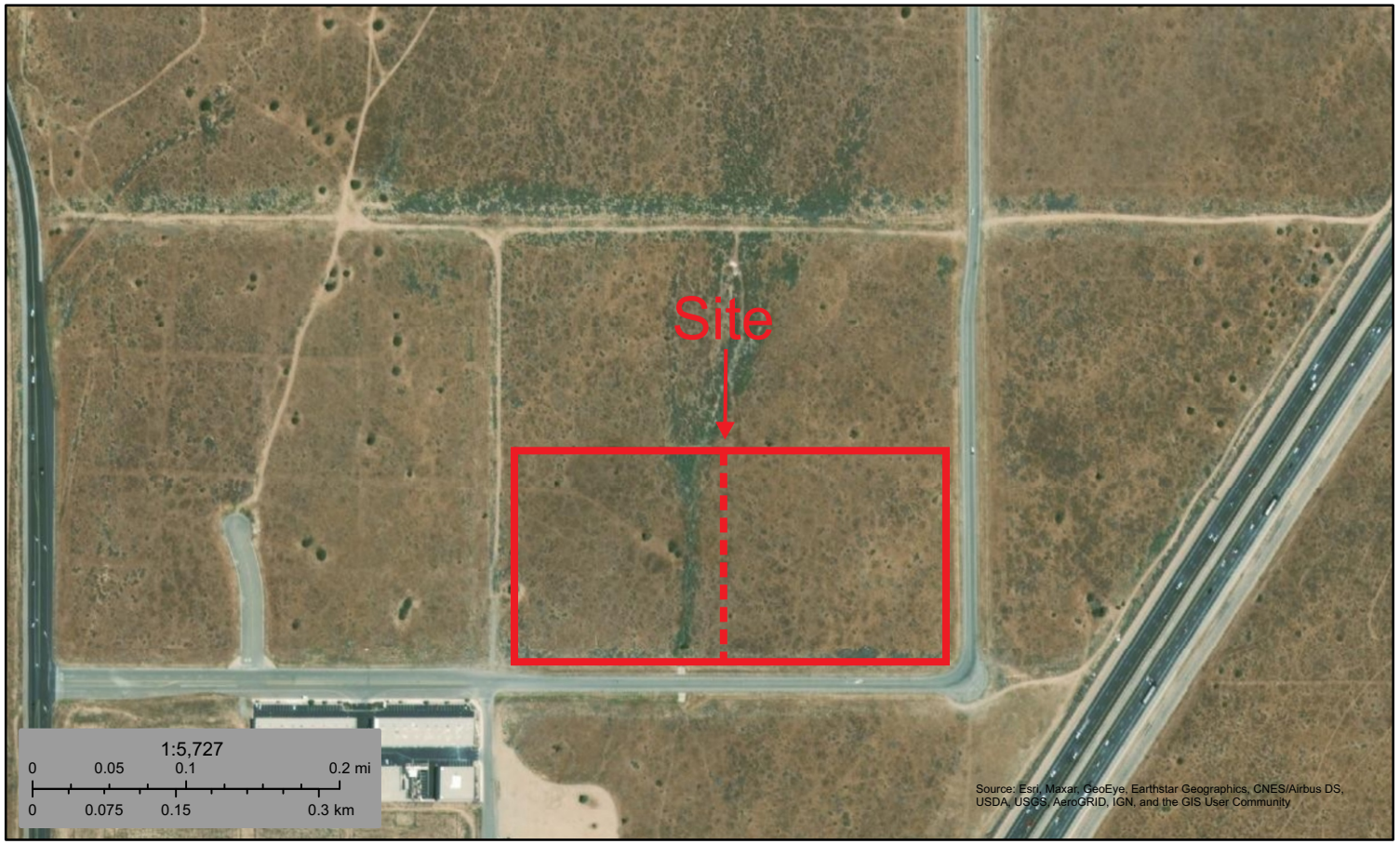
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Project Name: Lots 3 & 4 - 17.87 Acres
Address: Undeveloped Land
NW of the Intersection of Poplar Street & Mesa Linda Street
Hesperia, CA 92344
Project #: CCG-4756
Date: October 2020

FLOOD MAP

U.S. Fish and Wildlife Service

National Wetlands Inventory



October 16, 2020

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

CONSOLIDATED CONSULTING GROUP

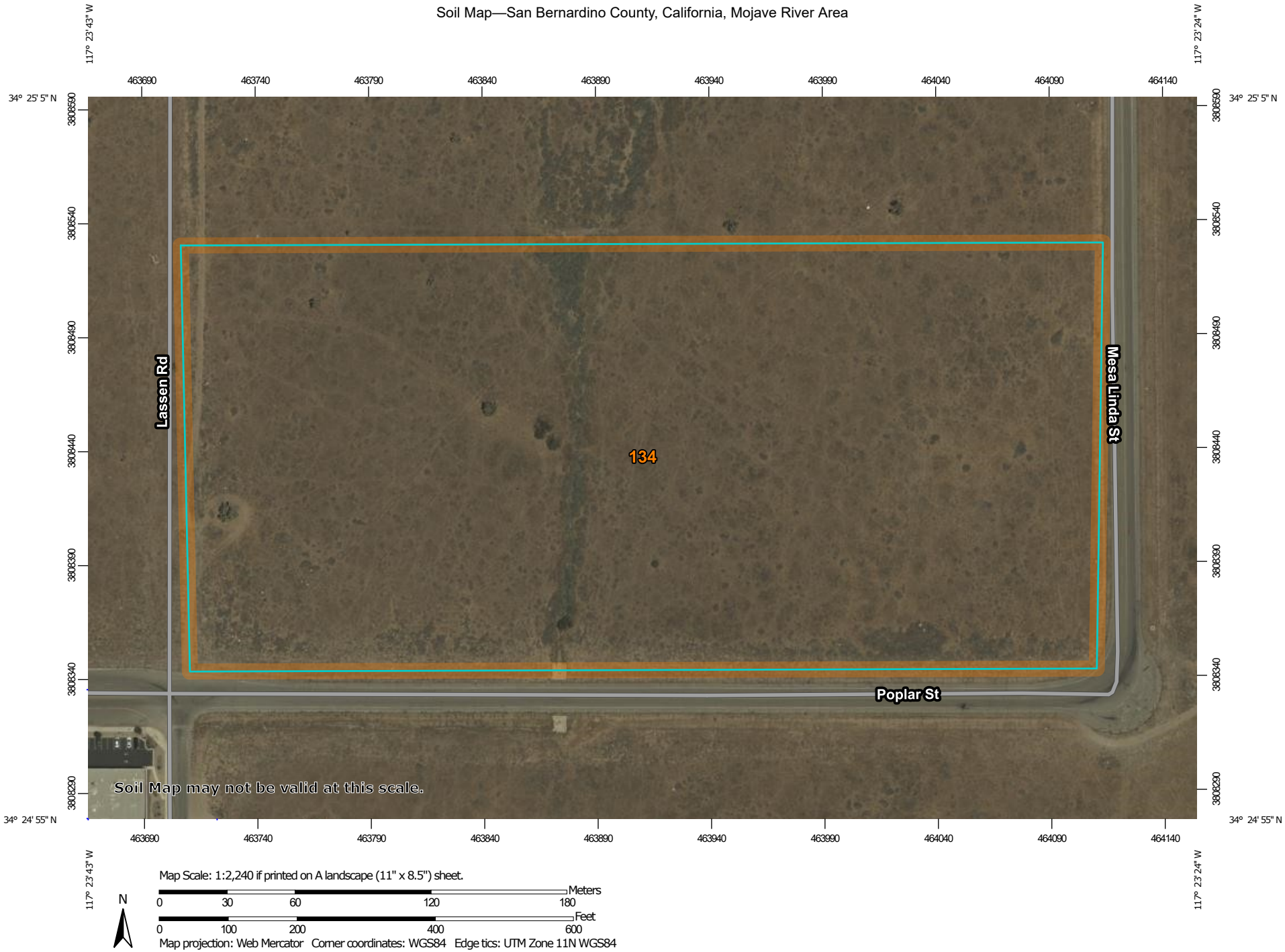
ENVIRONMENTAL, BUILDING & LAND SURVEY CONSULTING

WWW.CONSOLIDATEDCONSULTING.COM

Project Name: Lots 3 & 4 - 17.87 Acres
Address: Undeveloped Land
NW of the Intersection of Poplar Street & Mesa Linda Street
Hesperia, CA 92344
Project #: CCG-4756
Date: October 2020

WETLANDS MAP

Soil Map—San Bernardino County, California, Mojave River Area



Map Scale: 1:2,240 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 30 60 120 180

Feet
0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Bernardino County, California, Mojave River Area
Survey Area Data: Version 12, May 27, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 26, 2019—Jul 8, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
134	HESPERIA LOAMY FINE SAND, 2 TO 5 PERCENT SLOPES	18.7	100.0%
Totals for Area of Interest		**18.7**	**100.0%**

San Bernardino County, California, Mojave River Area

134—HESPERIA LOAMY FINE SAND, 2 TO 5 PERCENT SLOPES

Map Unit Setting

National map unit symbol: hks7
Elevation: 200 to 4,000 feet
Mean annual precipitation: 6 to 9 inches
Mean annual air temperature: 57 to 61 degrees F
Frost-free period: 150 to 250 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Hesperia and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hesperia

Setting

Landform: Fan aprons
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from granite sources

Typical profile

H1 - 0 to 6 inches: loamy fine sand
H2 - 6 to 60 inches: sandy loam, coarse sandy loam
H2 - 6 to 60 inches:

Properties and qualities

Slope: 2 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water capacity: High (about 11.3 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: A

Ecological site: R030XE006CA - COARSE LOAMY
Hydric soil rating: No

Minor Components

Cajon
Percent of map unit: 5 percent
Hydric soil rating: No

Wrightwood
Percent of map unit: 5 percent
Hydric soil rating: No

Bull trail
Percent of map unit: 3 percent
Hydric soil rating: No

Unnamed soils
Percent of map unit: 2 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: San Bernardino County, California, Mojave River Area
Survey Area Data: Version 12, May 27, 2020

REFERENCES:

American Society for Testing and Materials, Standard Practice for Phase I Environmental Site Assessments, Phase I Environmental Site Assessment Process (ASTM 1527-13)

American Society for Testing and Materials, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transaction (ASTM E2600-15).

City/County/State Offices including:

- City/County Environmental Protection Division
- City/County Fire Marshal
- City/County Planning Department
- Local/Regional Pollution Control Agency
- County Central Appraisal District
- Local/Regional Water Quality Agency

Environmental Risk Information Services (ERIS), Database Report, Report Number: 20300900105, Report dated October 12, 2020

Federal Emergency Management Agency, Flood Insurance Rate Map, San Bernardino County, CA and Incorporated Areas, Community Panel Map Number 06071C6475H, Map Revised: 8/20/2008

Groundwater Atlas of the United States – Segment 1

Nationwide Environmental Title Research, Inc. (NETR), Aerial Photograph Package, Prints dated; 1938, 1952, 1968, 1994, 2002, 2009 & 2016

United States Department of Agriculture, Natural Resource Conservation Service, Soil Survey of San Bernardino County, CA from website http://websoilsurvey.nrcs.usda.gov/app,

United States Department of the Interior, U.S. Geological Survey, 7.5-Minute Series Topographic Quadrangle Map (Baldy Mesa, CA), dated 1956, 1968, 1980, 1988, 1996 & 2018.

United States Department of Transportation, Pipeline and Hazardous Materials Safety Administration, National Pipeline Mapping System website (http://www.npms.phmsa.dot.gov/)

United States Fish & Wildlife Service, National Wetlands Inventory, Geospatial Wetlands Digital Data. (http://www.fws.gov/wetlands/Data/index.html)

7.2 Governmental Agency Records Attachments

Category	Attached	Not Applicable
7.2.1 General Public Records	**X**	
7.2.2 Mapped Database Report	**X**	
7.2.3 Regulatory Agency Records		**X**

MLS Tax Suite™
Powered by CRS Data

Tuesday, October 13, 2020





LOCATION

Property Address	No Address Available CA 92344
Subdivision	
Carrier Route	
County	San Bernardino County, CA
Map Code	4475D7

GENERAL PARCEL INFORMATION

APN/Tax ID	3064-581-04-0000
Alt. APN	
Account Number	
Tax Area	20-097
2010 Census Trct/Blk	100.17/1
Assessor Roll Year	2020

PROPERTY SUMMARY

Property Type	Commercial
Land Use	Commercial Vacant Land
Improvement Type	
Square Feet	
# of Buildings	0

CURRENT OWNER

Name	J G Investment Tr 01/22/97
Mailing Address	24291 Three Springs Rd Hemet, CA 92545-2208
Owner Occupied	No
Owner Right Vesting	Trust

SALES HISTORY THROUGH 09/25/2020

Settlement Date	Date Recorded	Amount	Buyer/Owners	Seller	Instrument	No. Parcels	Book/Page Or Document#
6/16/2007	2/28/2008		J G Investment Trust	Oleetho 3 Inc	Grant Deed		2008-0088270
6/16/2007	2/28/2008		J G Investment Trust	Oleetho 3 Inc	Correction Deed		2008-0088269
2/22/2007	2/28/2008		J G Investment Trust	Oleetho 3 Inc	Grant Deed		2008-0088268
6/11/2006	2/28/2008		J G Investment Trust	Oleetho 3 Inc	Grant Deed		2008-0088267
8/4/2005	2/28/2008		J G Investment Trust	Oleetho 3 Inc	Grant Deed		2008-0088266
6/7/2004	7/9/2004	$849,000	Jg Investment Trust & Oleetho 3 Inc	Applecal Partners Ltd & Calforty Ltd	Grant Deed		2004-0490904
3/22/1999	6/7/2004	$379,500	Applecal Partners Ltd & Calforty Ltd	Mesa Poplar Properties	Grant Deed		2004-0400214
			J G Investment Tr 01/22/97				20080088269

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Information Deemed Reliable But Not Guaranteed.

TAX ASSESSMENT

Tax Assessment	2020	Change (%)	2019	Change (%)	2018
Assessed Land	$1,082,105.00	$21,218.00 (2.0%)	$1,060,887.00	$20,802.00 (2.0%)	$1,040,085.00
Assessed Improvements					
Total Assessment	$1,082,105.00	$21,218.00 (2.0%)	$1,060,887.00	$20,802.00 (2.0%)	$1,040,085.00
Exempt Reason					
% Improved	0%				

TAXES

Tax Year	City Taxes	County Taxes	Total Taxes
2019			$12,608.16
2018			$12,361.53
2017			$12,137.08
2016			$11,875.69
2015			$11,720.42
2014			$11,554.17
2013			$11,504.01

MORTGAGE HISTORY

Date Recorded	Loan Amount	Borrower	Lender	Book/Page or Document#
07/09/2004	$849,000	Jg Investment Trust Oleetho 3 Inc	Applecal Partners Ltd	2004-0490905

FORECLOSURE HISTORY

No foreclosures were found for this parcel.

PROPERTY CHARACTERISTICS: BUILDING

No Buildings were found for this parcel.

PROPERTY CHARACTERISTICS: EXTRA FEATURES

No extra features were found for this parcel.

PROPERTY CHARACTERISTICS: LOT

Land Use	Commercial Vacant Land	**Lot Dimensions**	628X628
Block/Lot		**Lot Square Feet**	394,384
Latitude/Longitude	34.416780°/-117.393720°	**Acreage**	9.05

PROPERTY CHARACTERISTICS: UTILITIES/AREA

Gas Source		**Road Type**	
Electric Source		**Topography**	Level Grade
Water Source	Municipal	**District Trend**	
Sewer Source	Municipal	**Special School District 1**	
Zoning Code		**Special School District 2**	
Owner Type			

LEGAL DESCRIPTION

Subdivision		**Plat Book/Page**	
Block/Lot		**Tax Area**	20-097
Tract Number			
Description	Parcel Map 14447 Parcel 3 Book 172 Page 5		

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FEMA FLOOD ZONES

Zone Code	Flood Risk	BFE	Description	FIRM Panel ID	FIRM Panel Eff. Date
X	Minimal		Area of minimal flood hazard, usually depicted on FIRMs as above the 500-year flood level.	060733-06071C6475H	08/28/2008

LISTING ARCHIVE

MLS #	Status	Status Change Date	List Date	List Price	Closing Date	Closing Price	Listing Agent	Listing Broker	Buyer Agent	Buyer Broker
SW20208944	For Sale	10/05/2020	10/05/2020	$3,500,000			Jeannette Grismer	Century 21 McDaniel & Assoc.		
CC328043	Expired	12/31/2013	07/01/2013	$2,200,000			Jeannette Grismer	Homestar Real Estate Services		

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Property Information Management System

San Bernardino County

Office of the Assessor

PIMS PACKAGE REPORT FOR PARCEL 3064-581-05-0000

Property Information

Property Address (Main Situs) Protected per CA. Govt. Code Sect. 6254.21
Protected per CA. Govt. Code Sect. 6254.21

Owner and Mailing Address J G INVESTMENT TRUST 01/22/97 ETAL
C/O JEFF GRISMER
Protected per CA. Govt. Code Sect. 6254.21
Protected per CA. Govt. Code Sect. 6254.21

Effective Date 04/02/2008

Parcel 3064581050000
Parcel Status ACTIVE
Parcel Type REAL PROPERTY
Property ID
Tax Status ASSESSED BY COUNTY
Use Code VACANT
Land Access PUBLIC PAVED
Size 7.001 TO 14.000 ACRES
Land Type COMMERCIAL

District HESPERIA
Resp Group REAL PROPERTY
Resp Unit COMMERCIAL ZONE OR USE

Current Owners

Name J G INVESTMENT TRUST 01/22/97 — **Document Numbers**

R/I TENANCY IN COMMON — 20080088273
% Int 40.3700000
Type OTHER OWNER
Acquisition Date 02/22/2007
Document Date 02/28/2008
Inactive Date NONE

Name J G INVESTMENT TRUST 01/22/97 — **Document Numbers**

R/I TENANCY IN COMMON — 20080088275
% Int 0.9700000
Type OTHER OWNER
Acquisition Date 06/16/2007
Document Date 02/28/2008
Inactive Date NONE

Name	**J G INVESTMENT TRUST 01/22/97**	**Document Numbers**
R/I	TENANCY IN COMMON	20080088272
% Int	8.5000000	
Type	OTHER OWNER	
Acquisition Date	06/11/2006	
Document Date	02/28/2008	
Inactive Date	NONE	

Name	**J G INVESTMENT TRUST 01/22/97**	**Document Numbers**
R/I	TENANCY IN COMMON	20080088271
% Int	9.8000000	
Type	OTHER OWNER	
Acquisition Date	08/04/2005	
Document Date	02/28/2008	
Inactive Date	NONE	

Name	**J G INVESTMENT TRUST 01/22/97**	**Document Numbers**
R/I	TENANCY IN COMMON	20040490906
% Int	40.3600000	20080088274
Type	BILLED OWNER	
Acquisition Date	07/09/2004	
Document Date	07/09/2004	
Inactive Date	NONE	

Legal Parcel Map

Parcel Map	Parcel Nbr	Unit	Book	Page
14447	3064581050000		172	5

Legal Description

PARCEL MAP 14447 PARCEL 4 BOOK 172 PAGE 5

No Legal Reason for Change Found

No Active Homeowner's Exemptions Found

Prior Roll History

Year: 2020

TRA	20097	**Land Value**	1,229,952
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,229,952
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,229,952**

Year: 2019

TRA	20097	**Land Value**	1,205,835
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,205,835
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,205,835**

Year: 2018

TRA	20097	**Land Value**	1,182,191
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,182,191
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,182,191**

Year: 2017

TRA	20097	**Land Value**	1,159,011
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,159,011
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,159,011**

Year: 2016

TRA	20097	**Land Value**	1,136,285
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,136,285
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,136,285**

Year: 2015

TRA	20097	**Land Value**	1,119,217
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,119,217
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,119,217**

Year: 2014

TRA	20097	**Land Value**	1,097,293
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,097,293
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,097,293**

Year: 2013

TRA	20097	**Land Value**	1,092,334
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,092,334
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,092,334**

Year: 2012

TRA	20097	**Land Value**	1,070,916
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,070,916
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,070,916**

Year: 2011

TRA	20097	**Land Value**	1,049,918
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,049,918
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,049,918**

Year: 2010

TRA	20097	**Land Value**	1,042,071
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,042,071
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,042,071**

Year: 2009

TRA	20097	**Land Value**	1,044,547
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,044,547
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,044,547**

Year: 2008

TRA	20097	**Land Value**	1,024,066
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,024,066
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,024,066**

Year: 2007

TRA	20097	**Land Value**	1,003,986
Supplement	NO	**Improvement Value**	0
Correction Date	04/03/2008	**Improvement Penalty**	0
Correction Code	525N	**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner	OLEETHO-3 INC	**Total Value**	1,003,986
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,003,986**

Year: 2006

TRA	20097	**Land Value**	984,300
Supplement	NO	**Improvement Value**	0
Correction Date	04/03/2008	**Improvement Penalty**	0
Correction Code	525N	**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner	OLEETHO-3 INC	**Total Value**	984,300
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**984,300**

Year: 2005

TRA	20097	**Land Value**	965,000
Supplement	NO	**Improvement Value**	0
Correction Date	04/03/2008	**Improvement Penalty**	0
Correction Code	525N	**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TRUST 01/22/97	**Total Penalties**	0
Joint Owner	OLEETHO-3 INC	**Total Value**	965,000
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**965,000**

Year: 2004

TRA	20097	**Land Value**	506,827
Supplement	YES	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	506,827
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**506,827**

Year: 2003

TRA	20097	**Land Value**	287,000
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	287,000
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**287,000**

Year: 2002

TRA	20097	**Land Value**	192,000
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	192,000
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**192,000**

Year: 2001

TRA	20097	**Land Value**	192,000
Supplement	NO	**Improvement Value**	0
Correction Date	09/26/2001	**Improvement Penalty**	0
Correction Code	572D	**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	192,000
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**192,000**

Year: 2000

TRA	20097	**Land Value**	300,000
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	300,000
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**300,000**

Year: 1999

TRA	20097	**Land Value**	300,000
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	300,000
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**300,000**

Year: 1998

TRA	20097	**Land Value**	303,549
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	303,549
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**303,549**

Year: 1997

TRA	20097	**Land Value**	297,597
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	297,597
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**297,597**

Year: 1996

TRA	20097	**Land Value**	291,762
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581050000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	291,762
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**291,762**

Parcel History

Event Date	06/16/2007	**Multi Parcel List**
Event Group/Type	TRANSFER - PARTIAL PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	06/16/2007	**Multi Parcel List**
Event Group/Type	TRANSFER - PARTIAL PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	02/22/2007	**Multi Parcel List**
Event Group/Type	TRANSFER - PARTIAL PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	06/11/2006	**Multi Parcel List**
Event Group/Type	TRANSFER - PARTIAL PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	08/04/2005	**Multi Parcel List**
Event Group/Type	TRANSFER - PARTIAL PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	07/09/2004	**Multi Parcel List**
Event Group/Type	TRANSFER - 100% PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	12/31/2003	**Multi Parcel List**
Event Group/Type	REVIEW - PROP 8 INITIATED BY ASSESSOR	
Multi Parcel	No	

Event Date	12/31/2002	**Multi Parcel List**
Event Group/Type	REVIEW - PROP 8 INITIATED BY ASSESSOR	
Multi Parcel	No	

Event Date	12/31/2001	**Multi Parcel List**
Event Group/Type	REVIEW - PROP 8 INITIATED BY ASSESSOR	
Multi Parcel	No	

Event Date	12/31/2000	**Multi Parcel List**
Event Group/Type	REVIEW - PROP 8 INITIATED BY ASSESSOR	
Multi Parcel	No	

Event Date	12/31/1999	**Multi Parcel List**
Event Group/Type	REVIEW - PROP 8 INITIATED BY ASSESSOR	
Multi Parcel	No	

Event Date	03/22/1995	**Multi Parcel List**
Event Group/Type	TRANSFER - WORKED IN OLD SYSTEM (100% OR PARTIAL)	
Multi Parcel	No	

Event Date	03/22/1995	**Multi Parcel List**
Event Group/Type	TRA EVENT - ADDED FROM PREVIOUS PARCEL	
Multi Parcel	No	

Event Date	03/22/1995	**Multi Parcel List**
Event Group/Type	CREATE - WORKED IN OLD SYSTEM (REPAR)	3064581050000 NEW-CRE 0405084240000 OLD-CRE
Multi Parcel	Yes	

Ownership History

Owner Name: J G INVESTMENT TRUST 01/22/97

R/I	TENANCY IN COMMON
% Int	0.9700000
Type	OTHER OWNER
Acquisition Date	06/16/2007
Document Date	02/28/2008
Inactive Date	NONE

Document Numbers

20080088275

Owner Name: J G INVESTMENT TRUST 01/22/97

R/I	TENANCY IN COMMON
% Int	40.3700000
Type	OTHER OWNER
Acquisition Date	02/22/2007
Document Date	02/28/2008
Inactive Date	NONE

Document Numbers

20080088273

Owner Name: J G INVESTMENT TRUST 01/22/97

R/I	TENANCY IN COMMON
% Int	8.5000000
Type	OTHER OWNER
Acquisition Date	06/11/2006
Document Date	02/28/2008
Inactive Date	NONE

Document Numbers

20080088272

Owner Name: J G INVESTMENT TRUST 01/22/97

R/I	TENANCY IN COMMON
% Int	9.8000000
Type	OTHER OWNER
Acquisition Date	08/04/2005
Document Date	02/28/2008
Inactive Date	NONE

Document Numbers

20080088271

Owner Name: J G INVESTMENT TRUST 01/22/97

R/I	TENANCY IN COMMON
% Int	40.3600000
Type	BILLED OWNER
Acquisition Date	07/09/2004
Document Date	07/09/2004
Inactive Date	NONE

Document Numbers

20040490906
20080088274

Owner Name: (ERROR) J G INVESTMENT TRUST 01/22/97

R/I	TENANCY IN COMMON
% Int	18.7600000
Type	OTHER OWNER
Acquisition Date	06/16/2007
Document Date	02/28/2008
Inactive Date	06/15/2007

Document Numbers

20080088274

Owner Name: OLEETHO-3 INC

R/I	TENANCY IN COMMON
% Int	0.9700000
Type	JOINT MAIL OWNER
Acquisition Date	07/09/2004
Document Date	02/28/2008
Inactive Date	06/15/2007

Document Numbers

20080088274

Owner Name: OLEETHO-3 INC

R/I	TENANCY IN COMMON
% Int	0.9700000
Type	JOINT MAIL OWNER
Acquisition Date	07/09/2004
Document Date	02/28/2008
Inactive Date	06/15/2007

Document Numbers

20080088273

Owner Name: OLEETHO-3 INC

R/I	TENANCY IN COMMON
% Int	41.3400000
Type	JOINT MAIL OWNER
Acquisition Date	07/09/2004
Document Date	02/28/2008
Inactive Date	02/21/2007

Document Numbers

20080088272

Owner Name: (ERR)J G INTERNANTIONAL TRUST 01/22/97

R/I	TENANCY IN COMMON
% Int	8.5000000
Type	OTHER OWNER
Acquisition Date	06/11/2006
Document Date	02/28/2008
Inactive Date	06/10/2006

Document Numbers

20080088272

Owner Name: OLEETHO-3 INC

R/I	TENANCY IN COMMON
% Int	49.8400000
Type	JOINT MAIL OWNER
Acquisition Date	07/09/2004
Document Date	02/28/2008
Inactive Date	06/10/2006

Document Numbers

20080088271

Owner Name: (ERR0 J G INTERNANTIONAL TRUST 01/22/97

R/I	TENANCY IN COMMON
% Int	9.8000000
Type	OTHER OWNER
Acquisition Date	08/04/2005
Document Date	02/28/2008
Inactive Date	08/03/2005

Document Numbers

20080088271

Owner Name: OLEETHO-3 INC

R/I	TENANCY IN COMMON
% Int	59.6400000
Type	JOINT MAIL OWNER
Acquisition Date	07/09/2004
Document Date	07/09/2004
Inactive Date	08/03/2005

Document Numbers

20040490906
20080088274

Owner Name: (ERR) J G INTERNANTIONAL TRUST 01/22/97

R/I	TENANCY IN COMMON
% Int	21.6000000
Type	BILLED OWNER
Acquisition Date	07/09/2004
Document Date	07/09/2004
Inactive Date	07/08/2004

Document Numbers

20040490906
20080088274

Owner Name: MESA POPLAR PROPERTIES

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	NONE
Document Date	03/22/1995
Inactive Date	07/08/2004

Document Numbers

9508782100000

Supplement History

Supplement Date: 07/09/2004

Roll Type	REGULAR SUPPLEMENT	**Supp Type**	OWNERSHIP TRANSFER
Supp Year	2004	**New Land**	965,000
Revised IND		**New Imprv**	0
Corrected Date	04/03/2008	**Old Land**	506,827
Correction Code	525N	**Old Imprv**	0
Legal Status	SECURED	**New HOX**	0
TRA	20097	**Old HOX**	0
NOPIC Date	11/23/2004	**Supp HOX**	0
Extract Date	01/08/2005	**Special Exem**	0
Months Prorated	11	**Impr Penalty**	0
Corr Status	COR	**Prior Supps**	0
Original Parcel	3064581050000	**Construction in Progress**	0
		Net Value	**458,173**

Billed Owner J G INVESTMENT TRUST 01/22/97

Joint Owner OLEETHO-3 INC

Supplement Date: 07/09/2004

Roll Type	REGULAR SUPPLEMENT	**Supp Type**	OWNERSHIP TRANSFER
Supp Year	2004	**New Land**	965,000
Revised IND	Y	**New Imprv**	0
Corrected Date		**Old Land**	506,827
Correction Code		**Old Imprv**	0
Legal Status	SECURED	**New HOX**	0
TRA	20097	**Old HOX**	0
NOPIC Date	11/23/2004	**Supp HOX**	0
Extract Date	01/08/2005	**Special Exem**	0
Months Prorated	11	**Impr Penalty**	0
Corr Status		**Prior Supps**	0
Original Parcel	3064581050000	**Construction in Progress**	0
		Net Value	**458,173**

Billed Owner (ERR) J G INTERNANTIONAL TRUST 01/22/97

Joint Owner OLEETHO-3 INC

Supplement Date: 03/22/1995

Roll Type	REGULAR SUPPLEMENT	**Supp Type**	OWNERSHIP TRANSFER
Supp Year	1995	**New Land**	429,000
Revised IND		**New Imprv**	0
Corrected Date		**Old Land**	432,776
Correction Code		**Old Imprv**	0
Legal Status	SECURED	**New HOX**	0
TRA	20097	**Old HOX**	0
NOPIC Date	09/27/1995	**Supp HOX**	0
Extract Date	01/07/1996	**Special Exem**	0
Months Prorated	12	**Impr Penalty**	0
Corr Status		**Prior Supps**	0
Original Parcel	3064581050000	**Construction in Progress**	0
		Net Value	**(3,776)**

Billed Owner MESA POPLAR PROPERTIES

Joint Owner

Supplement Date: 03/22/1995

Roll Type	INTERIM SUPPLEMENT	**Supp Type**	OWNERSHIP TRANSFER
Supp Year	1995	**New Land**	429,000
Revised IND		**New Imprv**	0
Corrected Date		**Old Land**	432,776
Correction Code		**Old Imprv**	0
Legal Status	SECURED	**New HOX**	0
TRA	20097	**Old HOX**	0
NOPIC Date	09/27/1995	**Supp HOX**	0
Extract Date	01/07/1996	**Special Exem**	0
Months Prorated	3	**Impr Penalty**	0
Corr Status		**Prior Supps**	0
Original Parcel	3064581050000	**Construction in Progress**	0
		Net Value	**(3,776)**

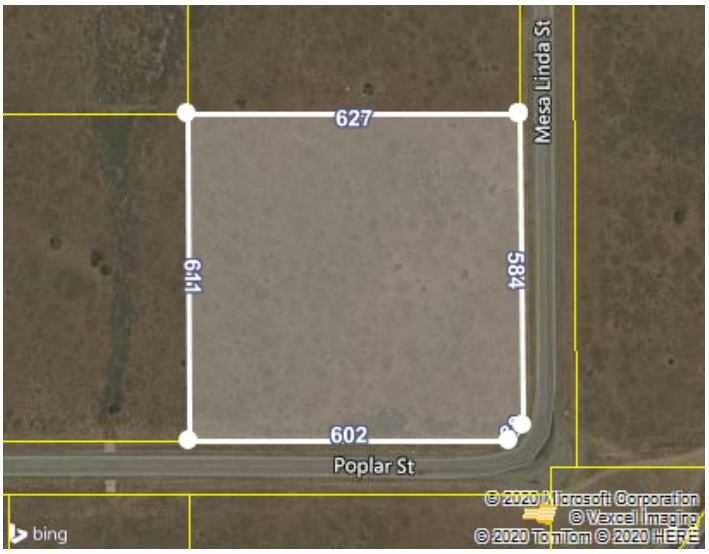
Billed Owner MESA POPLAR PROPERTIES

Joint Owner

MLS Tax Suite™
Powered by CRS Data

Tuesday, October 13, 2020

No Images Available



LOCATION

Property Address	No Address Available CA 92344
Subdivision	
Carrier Route	
County	San Bernardino County, CA
Map Code	4475D7

GENERAL PARCEL INFORMATION

APN/Tax ID	3064-581-05-0000
Alt. APN	
Account Number	
Tax Area	20-097
2010 Census Trct/Blk	100.17/1
Assessor Roll Year	2020

PROPERTY SUMMARY

Property Type	Commercial
Land Use	Commercial Vacant Land
Improvement Type	
Square Feet	
# of Buildings	0

CURRENT OWNER

Name	J G Investment Trust 01/22/97 C/O Jeff Grismer
Mailing Address	24291 Three Springs Rd Hemet, CA 92545-2208
Owner Occupied	No
Owner Right Vesting	Trust

SALES HISTORY THROUGH 09/25/2020

Settlement Date	Date Recorded	Amount	Buyer/Owners	Seller	Instrument	No. Parcels	Book/Page Or Document#
6/16/2007	2/28/2008		J G Investment Trust	Oleetho 3 Inc	Grant Deed		2008-0088275
6/16/2007	2/28/2008		J G Investment Trust	Oleetho 3 Inc	Correction Deed		2008-0088274
2/22/2007	2/28/2008		J G Investment Trust	Oleetho 3 Inc	Grant Deed		2008-0088273
6/11/2006	2/28/2008		J G Investment Trust	Oleetho 3 Inc	Grant Deed		2008-0088272
8/4/2005	2/28/2008		J G Investment Trust	Oleetho 3 Inc	Grant Deed		2008-0088271
6/7/2004	7/9/2004	$849,000	Jg Investment Trust & Oleetho 3 Inc	Mesa Poplar Properties	Grant Deed		2004-0490906
			J G Investment Trust 01/22/97 & C/O Jeff Grisme				20080088274

TAX ASSESSMENT

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Information Deemed Reliable But Not Guaranteed.

Tax Assessment	2020	Change (%)	2019	Change (%)	2018
Assessed Land	$1,229,952.00	$24,117.00 (2.0%)	$1,205,835.00	$23,644.00 (2.0%)	$1,182,191.00
Assessed Improvements					
Total Assessment	$1,229,952.00	$24,117.00 (2.0%)	$1,205,835.00	$23,644.00 (2.0%)	$1,182,191.00
Exempt Reason					
% Improved	0%				

TAXES

Tax Year	City Taxes	County Taxes	Total Taxes
2019			$14,326.66
2018			$14,046.34
2017			$13,791.22
2016			$13,494.13
2015			$13,317.62
2014			$13,128.68
2013			$13,071.66

MORTGAGE HISTORY

Date Recorded	Loan Amount	Borrower	Lender	Book/Page or Document#
07/09/2004	$965,000	Jg Investment Trust Oleetho 3 Inc	Mesa Poplar Properties	2004-0490907

FORECLOSURE HISTORY

No foreclosures were found for this parcel.

PROPERTY CHARACTERISTICS: BUILDING

No Buildings were found for this parcel.

PROPERTY CHARACTERISTICS: EXTRA FEATURES

No extra features were found for this parcel.

PROPERTY CHARACTERISTICS: LOT

Land Use	Commercial Vacant Land	**Lot Dimensions**	619X619
Block/Lot		**Lot Square Feet**	383,161
Latitude/Longitude	34.416778°/-117.391612°	**Acreage**	8.8

PROPERTY CHARACTERISTICS: UTILITIES/AREA

Gas Source		**Road Type**	
Electric Source		**Topography**	Level Grade
Water Source	Municipal	**District Trend**	
Sewer Source	Municipal	**Special School District 1**	
Zoning Code		**Special School District 2**	
Owner Type			

LEGAL DESCRIPTION

Subdivision		**Plat Book/Page**	
Block/Lot		**Tax Area**	20-097
Tract Number			
Description	Parcel Map 14447 Parcel 4 Book 172 Page 5		

FEMA FLOOD ZONES

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Information Deemed Reliable But Not Guaranteed.

Zone Code	Flood Risk	BFE	Description	FIRM Panel ID	FIRM Panel Eff. Date
X	Minimal		Area of minimal flood hazard, usually depicted on FIRMs as above the 500-year flood level.	060733-06071C6475H	08/28/2008

LISTING ARCHIVE

No Listings found for this parcel.

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Information Deemed Reliable But Not Guaranteed.

Property Information Management System

San Bernardino County

Office of the Assessor

PIMS PACKAGE REPORT FOR PARCEL 3064-581-04-0000

Property Information

Property Address (Main Situs) Protected per CA. Govt. Code Sect. 6254.21
Protected per CA. Govt. Code Sect. 6254.21

Owner and Mailing Address J G INVESTMENT TR 01/22/97 ETAL
J G INVESTMENT TR 01/22/97
Protected per CA. Govt. Code Sect. 6254.21
Protected per CA. Govt. Code Sect. 6254.21

Effective Date 04/02/2008

Parcel 3064581040000
Parcel Status ACTIVE
Parcel Type REAL PROPERTY
Property ID
Tax Status ASSESSED BY COUNTY
Use Code VACANT
Land Access PUBLIC PAVED
Size 7.001 TO 14.000 ACRES
Land Type COMMERCIAL

District HESPERIA
Resp Group REAL PROPERTY
Resp Unit COMMERCIAL ZONE OR USE

Current Owners

Name J G INVESTMENT TR 01/22/97

R/I TENANCY IN COMMON
% Int 40.3600000
Type BILLED OWNER
Acquisition Date 07/09/2004
Document Date 07/09/2004
Inactive Date NONE

Document Numbers
20040490904
20080088269

Name J G INVESTMENT TR 01/22/97

R/I TENANCY IN COMMON
% Int 9.8000000
Type OTHER OWNER
Acquisition Date 08/04/2005
Document Date 02/28/2008
Inactive Date NONE

Document Numbers
20080088266

		Document Numbers
Name	**J G INVESTMENT TR 01/22/97**	
R/I	TENANCY IN COMMON	20080088267
% Int	8.5000000	
Type	OTHER OWNER	
Acquisition Date	06/11/2006	
Document Date	02/28/2008	
Inactive Date	NONE	

		Document Numbers
Name	**J G INVESTMENT TR 01/22/97**	
R/I	TENANCY IN COMMON	20080088268
% Int	40.3700000	
Type	OTHER OWNER	
Acquisition Date	02/22/2007	
Document Date	02/28/2008	
Inactive Date	NONE	

		Document Numbers
Name	**J G INVESTMENT TR 01/22/97**	
R/I	TENANCY IN COMMON	20080088270
% Int	0.9700000	
Type	OTHER OWNER	
Acquisition Date	06/16/2007	
Document Date	02/28/2008	
Inactive Date	NONE	

Legal Parcel Map

Parcel Map	Parcel Nbr	Unit	Book	Page
14447	3064581040000		172	5

Legal Description

PARCEL MAP 14447 PARCEL 3 BOOK 172 PAGE 5

No Legal Reason for Change Found

No Active Homeowner's Exemptions Found



Prior Roll History

Year: 2020

TRA	20097	**Land Value**	1,082,105
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,082,105
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,082,105**

Year: 2019

TRA	20097	**Land Value**	1,060,887
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,060,887
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,060,887**

Year: 2018

TRA	20097	**Land Value**	1,040,085
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,040,085
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,040,085**

Year: 2017

TRA	20097	**Land Value**	1,019,691
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	1,019,691
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**1,019,691**

Year: 2016

TRA	20097	**Land Value**	999,697
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	999,697
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**999,697**

Year: 2015

TRA	20097	**Land Value**	984,681
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	984,681
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**984,681**

Year: 2014

TRA	20097	**Land Value**	965,392
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	965,392
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**965,392**

Year: 2013

TRA	20097	**Land Value**	961,029
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	961,029
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**961,029**

Year: 2012

TRA	20097	**Land Value**	942,185
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	942,185
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**942,185**

Year: 2011

TRA	20097	**Land Value**	923,711
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	923,711
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**923,711**

Year: 2010

TRA	20097	**Land Value**	916,807
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	916,807
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**916,807**

Year: 2009

TRA	20097	**Land Value**	918,985
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	918,985
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**918,985**

Year: 2008

TRA	20097	**Land Value**	900,966
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner		**Total Value**	900,966
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**900,966**

Year: 2007

TRA	20097	**Land Value**	883,300
Supplement	NO	**Improvement Value**	0
Correction Date	12/10/2008	**Improvement Penalty**	0
Correction Code	525N	**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner	OLEETHO-3 INC	**Total Value**	883,300
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**883,300**

Year: 2006

TRA	20097	**Land Value**	865,980
Supplement	NO	**Improvement Value**	0
Correction Date	12/10/2008	**Improvement Penalty**	0
Correction Code	525N	**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner	OLEETHO-3 INC	**Total Value**	865,980
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**865,980**

Year: 2005

TRA	20097	**Land Value**	849,000
Supplement	NO	**Improvement Value**	0
Correction Date	12/10/2008	**Improvement Penalty**	0
Correction Code	525N	**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	J G INVESTMENT TR 01/22/97	**Total Penalties**	0
Joint Owner	OLEETHO-3 INC	**Total Value**	849,000
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**849,000**

Year: 2004

TRA	20097	**Land Value**	508,009
Supplement	YES	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	508,009
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**508,009**

Year: 2003

TRA	20097	**Land Value**	295,000
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	295,000
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**295,000**

Year: 2002

TRA	20097	**Land Value**	200,000
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	200,000
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**200,000**

Year: 2001

TRA	20097	**Land Value**	200,000
Supplement	NO	**Improvement Value**	0
Correction Date	09/26/2001	**Improvement Penalty**	0
Correction Code	572D	**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	200,000
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**200,000**

Year: 2000

TRA	20097	**Land Value**	300,000
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	300,000
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**300,000**

Year: 1999

TRA	20097	**Land Value**	300,000
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	300,000
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**300,000**

Year: 1998

TRA	20097	**Land Value**	317,085
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	317,085
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**317,085**

Year: 1997

TRA	20097	**Land Value**	310,868
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	310,868
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**310,868**

Year: 1996

TRA	20097	**Land Value**	304,773
Supplement	NO	**Improvement Value**	0
Correction Date		**Improvement Penalty**	0
Correction Code		**Pers Prop Value**	0
Original Parcel	3064581040000	**Pers Prop Penalty**	0
Billed Owner	MESA POPLAR PROPERTIES	**Total Penalties**	0
Joint Owner		**Total Value**	304,773
		HOX Exemptions	0
		Special Exemptions	0
		Net Value	**304,773**

Parcel History

Event Date	02/28/2008	**Multi Parcel List**
Event Group/Type	TRANSFER - PARTIAL PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	02/28/2008	**Multi Parcel List**
Event Group/Type	TRANSFER - PARTIAL PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	02/28/2008	**Multi Parcel List**
Event Group/Type	TRANSFER - PARTIAL PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	02/28/2008	**Multi Parcel List**
Event Group/Type	TRANSFER - PARTIAL PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	02/28/2008	**Multi Parcel List**
Event Group/Type	TRANSFER - PARTIAL PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	06/16/2007	**Multi Parcel List**
Event Group/Type	TRANSFER - PARTIAL PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	02/22/2007	**Multi Parcel List**
Event Group/Type	TRANSFER - PARTIAL PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	06/11/2006	**Multi Parcel List**
Event Group/Type	TRANSFER - PARTIAL PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	08/05/2005	**Multi Parcel List**
Event Group/Type	TRANSFER - PARTIAL PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	07/09/2004	**Multi Parcel List**
Event Group/Type	TRANSFER - 100% PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	06/07/2004	**Multi Parcel List**
Event Group/Type	TRANSFER - 100% PER RECORDED DOCUMENT	
Multi Parcel	No	

Event Date	12/31/2003	**Multi Parcel List**
Event Group/Type	REVIEW - PROP 8 INITIATED BY ASSESSOR	
Multi Parcel	No	

Event Date	12/31/2002	**Multi Parcel List**
Event Group/Type	REVIEW - PROP 8 INITIATED BY ASSESSOR	
Multi Parcel	No	

Event Date	12/31/2001	**Multi Parcel List**
Event Group/Type	REVIEW - PROP 8 INITIATED BY ASSESSOR	
Multi Parcel	No	

Event Date	12/31/2000	**Multi Parcel List**
Event Group/Type	REVIEW - PROP 8 INITIATED BY ASSESSOR	
Multi Parcel	No	

Event Date	12/31/1999	**Multi Parcel List**
Event Group/Type	REVIEW - PROP 8 INITIATED BY ASSESSOR	
Multi Parcel	No	

Event Date	03/22/1995	**Multi Parcel List**
Event Group/Type	TRANSFER - WORKED IN OLD SYSTEM (100% OR PARTIAL)	
Multi Parcel	No	

Event Date	03/22/1995	**Multi Parcel List**
Event Group/Type	TRA EVENT - ADDED FROM PREVIOUS PARCEL	
Multi Parcel	No	

Event Date	03/22/1995	**Multi Parcel List**
Event Group/Type	CREATE - WORKED IN OLD SYSTEM (REPAR)	3064581040000 NEW-CRE 0405084230000 OLD-CRE
Multi Parcel	Yes	

Event Date	12/16/1994	**Multi Parcel List**
Event Group/Type	TRANSFER - WORKED IN OLD SYSTEM (100% OR PARTIAL)	
Multi Parcel	No	

Ownership History

Owner Name: J G INVESTMENT TR 01/22/97

R/I	TENANCY IN COMMON
% Int	0.9700000
Type	OTHER OWNER
Acquisition Date	06/16/2007
Document Date	02/28/2008
Inactive Date	NONE

Document Numbers

20080088270

Owner Name: J G INVESTMENT TR 01/22/97

R/I	TENANCY IN COMMON
% Int	40.3700000
Type	OTHER OWNER
Acquisition Date	02/22/2007
Document Date	02/28/2008
Inactive Date	NONE

Document Numbers

20080088268

Owner Name: J G INVESTMENT TR 01/22/97

R/I	TENANCY IN COMMON
% Int	8.5000000
Type	OTHER OWNER
Acquisition Date	06/11/2006
Document Date	02/28/2008
Inactive Date	NONE

Document Numbers

20080088267

Owner Name: J G INVESTMENT TR 01/22/97

R/I	TENANCY IN COMMON
% Int	9.8000000
Type	OTHER OWNER
Acquisition Date	08/04/2005
Document Date	02/28/2008
Inactive Date	NONE

Document Numbers

20080088266

Owner Name: J G INVESTMENT TR 01/22/97

R/I	TENANCY IN COMMON
% Int	40.3600000
Type	BILLED OWNER
Acquisition Date	07/09/2004
Document Date	07/09/2004
Inactive Date	NONE

Document Numbers

20040490904
20080088269

Owner Name: (DATE ERR) J G IINVESTMENT TR 01/22/97

R/I	TENANCY IN COMMON
% Int	40.3700000
Type	OTHER OWNER
Acquisition Date	02/28/2008
Document Date	02/28/2008
Inactive Date	02/27/2008

Document Numbers

20080088268

Owner Name: (DATE ERR) J G IINVESTMENT TR 01/22/97

R/I	TENANCY IN COMMON
% Int	9.8000000
Type	OTHER OWNER
Acquisition Date	02/28/2008
Document Date	02/28/2008
Inactive Date	02/27/2008

Document Numbers

20080088266

Owner Name: (DATE ERR) J G INVESTMENT TR 1/22/97

R/I	TENANCY IN COMMON
% Int	8.5000000
Type	OTHER OWNER
Acquisition Date	02/28/2008
Document Date	02/28/2008
Inactive Date	02/27/2008

Document Numbers

20080088267

Owner Name: (DATE ERR) J G INVESTMENT TR 1/22/97

R/I	TENANCY IN COMMON
% Int	0.9700000
Type	OTHER OWNER
Acquisition Date	02/28/2008
Document Date	02/28/2008
Inactive Date	02/27/2008

Document Numbers

20080088270

Owner Name: (DATE ERR) OLEETHO-3 INC

R/I	TENANCY IN COMMON
% Int	0.9700000
Type	JOINT MAIL OWNER
Acquisition Date	07/09/2004
Document Date	02/28/2008
Inactive Date	02/27/2008

Document Numbers

20080088269

Owner Name: (DATE ERR) OLEETHO-3 INC

R/I	TENANCY IN COMMON
% Int	49.8400000
Type	JOINT MAIL OWNER
Acquisition Date	07/09/2004
Document Date	02/28/2008
Inactive Date	02/27/2008

Document Numbers

20080088266

Owner Name: (DATE ERR) OLEETHO-3 INC

R/I	TENANCY IN COMMON
% Int	41.3400000
Type	JOINT MAIL OWNER
Acquisition Date	07/09/2004
Document Date	02/28/2008
Inactive Date	02/27/2008

Document Numbers

20080088267

Owner Name: (DATE ERR) OLEETHO-3 INC

R/I	TENANCY IN COMMON
% Int	40.3300000
Type	JOINT MAIL OWNER
Acquisition Date	07/09/2004
Document Date	02/28/2008
Inactive Date	02/27/2008

Document Numbers

20080088270

Owner Name: (ERR) J G INVESTMENT TRUST 1/22/97

R/I	TENANCY IN COMMON
% Int	18.7600000
Type	OTHER OWNER
Acquisition Date	02/28/2008
Document Date	02/28/2008
Inactive Date	02/27/2008

Document Numbers

20080088269

Owner Name: OLEETHO-3 INC

R/I	TENANCY IN COMMON
% Int	0.9700000
Type	JOINT MAIL OWNER
Acquisition Date	07/09/2004
Document Date	02/28/2008
Inactive Date	06/15/2007

Document Numbers

20080088268

Owner Name: OLEETHO-3 INC

R/I	TENANCY IN COMMON
% Int	41.3400000
Type	JOINT MAIL OWNER
Acquisition Date	07/09/2004
Document Date	02/28/2008
Inactive Date	02/21/2007

Document Numbers

20080088267

Owner Name: OLEETHO-3 INC

R/I	TENANCY IN COMMON
% Int	49.8400000
Type	JOINT MAIL OWNER
Acquisition Date	07/09/2004
Document Date	02/28/2008
Inactive Date	06/10/2006

Document Numbers

20080088266

Owner Name: OLEETHO-3 INC

R/I	TENANCY IN COMMON
% Int	59.6400000
Type	JOINT MAIL OWNER
Acquisition Date	07/09/2004
Document Date	07/09/2004
Inactive Date	08/04/2005

Document Numbers

20040490904
20080088269

Owner Name: (ERR) J G INTERNANTIONAL TR 01/22/97

R/I	TENANCY IN COMMON
% Int	21.6000000
Type	BILLED OWNER
Acquisition Date	07/09/2004
Document Date	07/09/2004
Inactive Date	07/08/2004

Document Numbers

20040490904
20080088269

Owner Name: APPLECAL PARTNERS LTD

R/I	TENANCY IN COMMON
% Int	50.0000000
Type	BILLED OWNER
Acquisition Date	06/07/2004
Document Date	06/07/2004
Inactive Date	07/08/2004

Document Numbers

20040400214

Owner Name: CALFORTY LTD

R/I	TENANCY IN COMMON
% Int	50.0000000
Type	JOINT MAIL OWNER
Acquisition Date	06/07/2004
Document Date	06/07/2004
Inactive Date	07/08/2004

Document Numbers

20040400214

Owner Name: MESA POPLAR PROPERTIES

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	NONE
Document Date	03/22/1995
Inactive Date	06/06/2004

Document Numbers

9508782100000

Supplement History

Supplement Date: 07/09/2004

Roll Type	REGULAR SUPPLEMENT	**Supp Type**	OWNERSHIP TRANSFER
Supp Year	2004	**New Land**	849,000
Revised IND		**New Imprv**	0
Corrected Date	12/10/2008	**Old Land**	508,009
Correction Code	525N	**Old Imprv**	0
Legal Status	SECURED	**New HOX**	0
TRA	20097	**Old HOX**	0
NOPIC Date	11/23/2004	**Supp HOX**	0
Extract Date	01/08/2005	**Special Exem**	0
Months Prorated	11	**Impr Penalty**	0
Corr Status	COR	**Prior Supps**	0
Original Parcel	3064581040000	**Construction in Progress**	0
		Net Value	**340,991**

Billed Owner J G INVESTMENT TR 01/22/97

Joint Owner OLEETHO-3 INC

Supplement Date: 07/09/2004

Roll Type	REGULAR SUPPLEMENT	**Supp Type**	OWNERSHIP TRANSFER
Supp Year	2004	**New Land**	849,000
Revised IND	Y	**New Imprv**	0
Corrected Date		**Old Land**	508,009
Correction Code		**Old Imprv**	0
Legal Status	SECURED	**New HOX**	0
TRA	20097	**Old HOX**	0
NOPIC Date	11/23/2004	**Supp HOX**	0
Extract Date	01/08/2005	**Special Exem**	0
Months Prorated	11	**Impr Penalty**	0
Corr Status		**Prior Supps**	0
Original Parcel	3064581040000	**Construction in Progress**	0
		Net Value	**340,991**

Billed Owner (ERR) J G INTERNANTIONAL TR 01/22/97

Joint Owner OLEETHO-3 INC

Supplement Date: 06/07/2004

Roll Type	REGULAR SUPPLEMENT	**Supp Type**	OWNERSHIP TRANSFER
Supp Year	2004	**New Land**	849,000
Revised IND		**New Imprv**	0
Corrected Date		**Old Land**	508,009
Correction Code		**Old Imprv**	0
Legal Status	UNSECURED	**New HOX**	0
TRA	20097	**Old HOX**	0
NOPIC Date	11/23/2004	**Supp HOX**	0
Extract Date	01/08/2005	**Special Exem**	0
Months Prorated	1	**Impr Penalty**	0
Corr Status		**Prior Supps**	0
Original Parcel	3064581040000	**Construction in Progress**	0
		Net Value	**340,991**

Billed Owner APPLECAL PARTNERS LTD

Joint Owner CALFORTY LTD

Supplement Date: 03/22/1995

Roll Type	REGULAR SUPPLEMENT	**Supp Type**	OWNERSHIP TRANSFER
Supp Year	1995	**New Land**	430,000
Revised IND		**New Imprv**	0
Corrected Date		**Old Land**	433,785
Correction Code		**Old Imprv**	0
Legal Status	SECURED	**New HOX**	0
TRA	20097	**Old HOX**	0
NOPIC Date	09/27/1995	**Supp HOX**	0
Extract Date	01/07/1996	**Special Exem**	0
Months Prorated	12	**Impr Penalty**	0
Corr Status		**Prior Supps**	0
Original Parcel	3064581040000	**Construction in Progress**	0
		Net Value	**(3,785)**

Billed Owner MESA POPLAR PROPERTIES

Joint Owner

Supplement Date: 03/22/1995

Roll Type	INTERIM SUPPLEMENT	**Supp Type**	OWNERSHIP TRANSFER
Supp Year	1995	**New Land**	430,000
Revised IND		**New Imprv**	0
Corrected Date		**Old Land**	433,785
Correction Code		**Old Imprv**	0
Legal Status	SECURED	**New HOX**	0
TRA	20097	**Old HOX**	0
NOPIC Date	09/27/1995	**Supp HOX**	0
Extract Date	01/07/1996	**Special Exem**	0
Months Prorated	3	**Impr Penalty**	0
Corr Status		**Prior Supps**	0
Original Parcel	3064581040000	**Construction in Progress**	0
		Net Value	**(3,785)**
Billed Owner	MESA POPLAR PROPERTIES		
Joint Owner			

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Undeveloped Land* *Hesperia* *Hesperia CA*
Project No:	*CCG-4756*
Report Type:	*Database Report*
Order No:	*20300900105*
Requested by:	*Consolidated Consulting Group, LLC*
Date Completed:	*October 12, 2020*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property:		*Undeveloped Land* *Hesperia Hesperia CA*
Project No:		*CCG-4756*
Coordinates:		
	Latitude:	*34.41763978*
	Longitude:	*-117.39268504*
	UTM Northing:	*3,808,534.52*
	UTM Easting:	*463,914.72*
	UTM Zone:	*11S*
Elevation:		*3,601 FT*

Order Information:

Order No:	*20300900105*
Date Requested:	*October 9, 2020*
Requested by:	*Consolidated Consulting Group, LLC*
Report Type:	*Database Report*

Historicals/Products:

ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
FRP	Y	0.25	0	0	0	-	-	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA CESQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	**1**	**3**	-	-	**4**
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	0	0	**1**	**2**	**3**
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	0	0
SWAT	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	0	**1**	-	**1**
DELISTED LST	Y	0.5	0	0	0	0	-	0
SWRCB SWF	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
UST CLOSURE	Y	0.5	0	0	0	0	-	0
HHSS	Y	0.25	0	0	0	-	-	0
AST	Y	0.25	0	0	0	-	-	0
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	0	0	0	-	-	0
CERS TANK	Y	0.25	0	0	**1**	-	-	**1**
LUR	Y	0.5	0	0	0	0	-	0
HLUR	Y	0.5	0	0	0	0	-	0
DEED	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
CLEANUP SITES	Y	0.5	0	0	0	0	-	0
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0
DELISTED CTNK	Y	0.25	0	0	0	-	-	0
HIST TANK	Y	0.25	0	0	0	-	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County								
SANBERN CUPA	Y	0.25	0	**4**	**6**	-	-	**10**

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Additional Environmental Records								
Federal								
PFAS NPL	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS	Y	0.5	0	0	0	0	-	0
PFAS GW	Y	0.5	0	0	0	0	-	0
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SCH	Y	1	0	0	0	**1**	**2**	**3**
CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HIST CORTESE	Y	0.5	0	0	0	0	-	0
CDO/CAO	Y	0.5	0	0	0	0	-	0
CERS HAZ	Y	0.125	0	**3**	-	-	-	**3**
DELISTED HAZ	Y	0.5	0	0	0	0	-	0
GEOTRACKER	Y	0.125	0	0	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	0	-	-	0
EMISSIONS	Y	0.25	0	0	0	-	-	0
CDL	Y	0.125	0	0	-	-	-	0

Tribal ***No Tribal additional environmental record sources available for this State.***

County ***No County additional environmental databases were selected to be included in the search.***

Total:	0	**8**	**10**	**3**	**4**	**25**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	SANBERN CUPA	DESERT DYNAMICS OFFROAD	12221 POPLAR ST BLDG B-10 HESPERIA CA 92344	SW	0.09 / 481.92	26	21
1	SANBERN CUPA	THE LITZENBERGER COMPANY	12221 POPLAR ST 14 HESPERIA CA 92345	SW	0.09 / 481.92	26	21
1	SANBERN CUPA	3M OAK HILLS	12221 POPLAR ST UNIT D20 OAK HILLS CA 92344	SW	0.09 / 481.92	26	21
1	CERS HAZ	3M OAK HILLS	12221 POPLAR ST UNIT D20 OAK HILLS CA 92344	SW	0.09 / 481.92	26	22
1	CERS HAZ	Superior Pool Products LLC #548A	12221 POPLAR ST BLDG E HESPERIA CA 92344	SW	0.09 / 481.92	26	24
2	SANBERN CUPA	Velocity Truck Centers High Desert	8995 Three Flags AVE Hesperia CA 92345	SW	0.12 / 615.20	30	26
2	CERS HAZ	Velocity Truck Centers High Desert	8995 THREE FLAGS AVE HESPERIA CA 92345	SW	0.12 / 615.20	30	26
3	RCRA NON GEN	HIGH DESERT TRUCK & TRAILER	8995 THREE FLAGS AVE STE B&C VICTORVILLE CA 92344-9487 ***EPA Handler ID:*** CAL000320679	SSW	0.12 / 619.21	29	31
4	SANBERN CUPA	ZIPPY LUBE-A-TRUCK	8899 THREE FLAGS AVE Hesperia CA 92344	S	0.15 / 793.05	26	32
4	SANBERN CUPA	Little Sister's Truck Wash	8899 Three Flags AVE Hesperia CA 92344	S	0.15 / 793.05	26	33
4	CERS TANK	ZIPPY LUBE-A-TRUCK	8899 THREE FLAGS AVE HESPERIA CA 92344 ***Site ID:*** 172882	S	0.15 / 793.05	26	33
4	RCRA NON GEN	ANELLE MANAGEMENT SERVICES INC DBA FLEET CREW	8899 THREE FLAGS AVE HESPERIA CA 92344-0497	S	0.15 / 793.05	26	44

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			EPA Handler ID: CAL000416670				
4	RCRA NON GEN	LITTLE SISTERS TRUCK WASH INC	8899 THREE FLAGS AVE OAK HILLS CA 92344-0497 ***EPA Handler ID:*** CAL000353253	S	0.15 / 793.05	26	45
5	SANBERN CUPA	3M OAK HILLS REMOTE STORAGE	12269 SCARBROUGH CT HESPERIA CA 92344	SSW	0.20 / 1,071.34	41	46
5	SANBERN CUPA	DIRECTV	12269 SCARBROUGH CT HESPERIA CA 92345	SSW	0.20 / 1,071.34	41	46
5	SANBERN CUPA	CDM CONSTRUCTORS INC.	12269 SCARBROUGH CT HESPERIA CA 92345	SSW	0.20 / 1,071.34	41	46
6	SANBERN CUPA	RV Supply Center, Inc	8893 Three Flags AVE Ste B Oak Hills CA 92344	SSW	0.25 / 1,299.19	44	47
6	RCRA NON GEN	RV SUPPY CENTER INC	8893 THREE FLAGS AVE STE B OAK HILLS CA 92344 ***EPA Handler ID:*** CAL000307361	SSW	0.25 / 1,299.19	44	47
7	LUST	TIMOTHY LANE	8685 US HIGHWAY 395 HESPERIA CA 92345 ***Global ID | Status | Status Date:*** T0607100957 | COMPLETED - CASE CLOSED | 7/1/1999	SW	0.42 / 2,225.97	58	48
8	SCH	NEW MESQUITE TRAILS WEST ELEMENTARY SCHOOL	12850 MUSCATEL STREET HESPERIA CA 92345 ***Estor/EPA ID | Cleanup Status:*** 70000125 | NO ACTION REQUIRED AS OF 11/16/2005	ESE	0.47 / 2,488.33	-18	50
8	ENVIROSTOR	NEW MESQUITE TRAILS WEST ELEMENTARY SCHOOL	12850 MUSCATEL STREET HESPERIA CA 92345 ***Estor/EPA ID | Cleanup Status:*** 70000125 | NO ACTION REQUIRED AS OF 11/16/2005	ESE	0.47 / 2,488.33	-18	51
9	SCH	MESQUITE TRAILS WEST SCHOOL SITE	MUSCATEL ROAD/COYOTE TRAIL HESPERIA CA 92345 ***Estor/EPA ID | Cleanup Status:*** 36820003 | NO ACTION REQUIRED AS OF 6/6/2006	ESE	0.60 / 3,177.40	-3	52
9	ENVIROSTOR	MESQUITE TRAILS WEST SCHOOL SITE	MUSCATEL ROAD/COYOTE TRAIL HESPERIA CA 92345 ***Estor/EPA ID | Cleanup Status:*** 36820003 | NO ACTION REQUIRED AS OF 6/6/2006	ESE	0.60 / 3,177.40	-3	53
10	SCH	MISSION CREST ELEMENTARY SCHOOL	13065 MUSCATEL STREET HESPERIA CA 92345 ***Estor/EPA ID | Cleanup Status:*** 70000075 | NO ACTION REQUIRED AS OF 10/26/2005	ESE	0.63 / 3,301.76	-4	53

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
10	ENVIROSTOR	MISSION CREST ELEMENTARY SCHOOL	13065 MUSCATEL STREET HESPERIA CA 92345	ESE	0.63 / 3,301.76	-4	54

Estor/EPA ID | Cleanup Status: 70000075 | NO ACTION REQUIRED AS OF 10/26/2005

Executive Summary: Summary by Data Source

Standard

Federal

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Jul 27, 2020 has found that there are 4 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HIGH DESERT TRUCK & TRAILER	8995 THREE FLAGS AVE STE B&C VICTORVILLE CA 92344-9487 ***EPA Handler ID**: CAL000320679*	SSW	0.12 / 619.21	3
ANELLE MANAGEMENT SERVICES INC DBA FLEET CREW	8899 THREE FLAGS AVE HESPERIA CA 92344-0497 ***EPA Handler ID**: CAL000416670*	S	0.15 / 793.05	4
LITTLE SISTERS TRUCK WASH INC	8899 THREE FLAGS AVE OAK HILLS CA 92344-0497 ***EPA Handler ID**: CAL000353253*	S	0.15 / 793.05	4
RV SUPPY CENTER INC	8893 THREE FLAGS AVE STE B OAK HILLS CA 92344 ***EPA Handler ID**: CAL000307361*	SSW	0.25 / 1,299.19	6

State

ENVIROSTOR - EnviroStor Database

A search of the ENVIROSTOR database, dated Oct 5, 2020 has found that there are 3 ENVIROSTOR site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
NEW MESQUITE TRAILS WEST ELEMENTARY SCHOOL	12850 MUSCATEL STREET HESPERIA CA 92345 ***Estor/EPA ID	Cleanup Status**: 70000125	NO ACTION REQUIRED AS OF 11/16/2005*	ESE	0.47 / 2,488.33	8
MESQUITE TRAILS WEST SCHOOL SITE	MUSCATEL ROAD/COYOTE TRAIL HESPERIA CA 92345 ***Estor/EPA ID	Cleanup Status**: 36820003	NO ACTION REQUIRED AS OF 6/6/2006*	ESE	0.60 / 3,177.40	9
MISSION CREST ELEMENTARY SCHOOL	13065 MUSCATEL STREET HESPERIA CA 92345 ***Estor/EPA ID	Cleanup Status**: 70000075	NO ACTION REQUIRED AS OF 10/26/2005*	ESE	0.63 / 3,301.76	10

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Jul 15, 2020 has found that there are 1 LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TIMOTHY LANE	8685 US HIGHWAY 395 HESPERIA CA 92345	SW	0.42 / 2,225.97	7
	Global ID* | *Status* | *Status Date: *T0607100957* | *COMPLETED - CASE CLOSED* | *7/1/1999*			

CERS TANK - California Environmental Reporting System (CERS) Tanks

A search of the CERS TANK database, dated Aug 7, 2020 has found that there are 1 CERS TANK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ZIPPY LUBE-A-TRUCK	8899 THREE FLAGS AVE HESPERIA CA 92344	S	0.15 / 793.05	4
	Site ID: *172882*			

County

SANBERN CUPA - San Bernardino County - CUPA List

A search of the SANBERN CUPA database, dated Apr 29, 2020 has found that there are 10 SANBERN CUPA site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
THE LITZENBERGER COMPANY	12221 POPLAR ST 14 HESPERIA CA 92345	SW	0.09 / 481.92	1
3M OAK HILLS	12221 POPLAR ST UNIT D20 OAK HILLS CA 92344	SW	0.09 / 481.92	1
DESERT DYNAMICS OFFROAD	12221 POPLAR ST BLDG B-10 HESPERIA CA 92344	SW	0.09 / 481.92	1
Velocity Truck Centers High Desert	8995 Three Flags AVE Hesperia CA 92345	SW	0.12 / 615.20	2
Little Sister's Truck Wash	8899 Three Flags AVE Hesperia CA 92344	S	0.15 / 793.05	4
ZIPPY LUBE-A-TRUCK	8899 THREE FLAGS AVE Hesperia CA 92344	S	0.15 / 793.05	4
CDM CONSTRUCTORS INC.	12269 SCARBROUGH CT HESPERIA CA 92345	SSW	0.20 / 1,071.34	5

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
3M OAK HILLS REMOTE STORAGE	12269 SCARBROUGH CT HESPERIA CA 92344	SSW	0.20 / 1,071.34	5
DIRECTV	12269 SCARBROUGH CT HESPERIA CA 92345	SSW	0.20 / 1,071.34	5
RV Supply Center, Inc	8893 Three Flags AVE Ste B Oak Hills CA 92344	SSW	0.25 / 1,299.19	6

Non Standard

State

SCH - School Property Evaluation Program Sites

A search of the SCH database, dated Oct 5, 2020 has found that there are 3 SCH site(s) within approximately 1.00 miles of the project property.

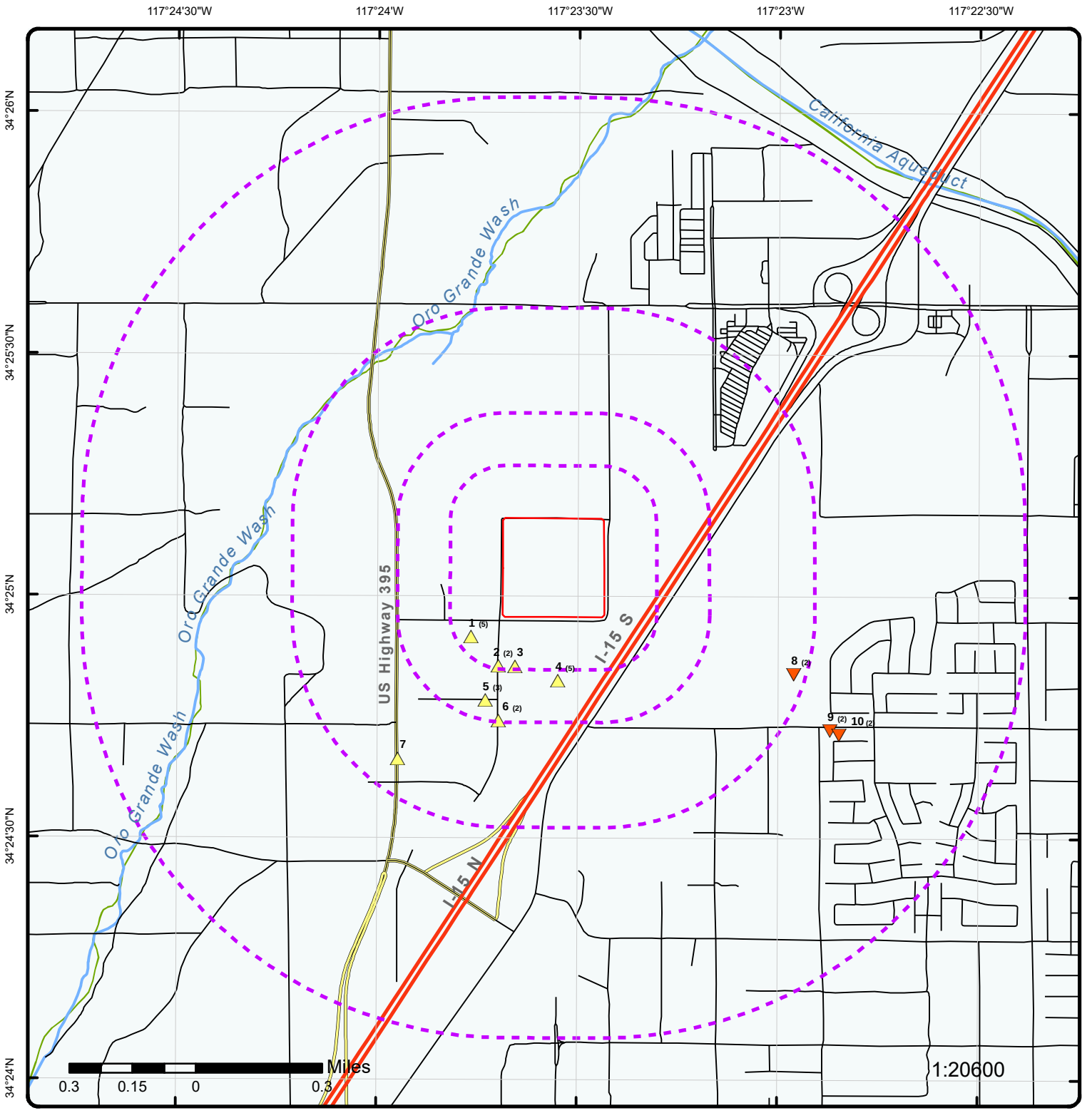
Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
NEW MESQUITE TRAILS WEST ELEMENTARY SCHOOL	12850 MUSCATEL STREET HESPERIA CA 92345	ESE	0.47 / 2,488.33	8
	***Estor/EPA ID	Cleanup Status**: 70000125	NO ACTION REQUIRED AS OF 11/16/2005*		
MESQUITE TRAILS WEST SCHOOL SITE	MUSCATEL ROAD/COYOTE TRAIL HESPERIA CA 92345	ESE	0.60 / 3,177.40	9
	***Estor/EPA ID	Cleanup Status**: 36820003	NO ACTION REQUIRED AS OF 6/6/2006*		
MISSION CREST ELEMENTARY SCHOOL	13065 MUSCATEL STREET HESPERIA CA 92345	ESE	0.63 / 3,301.76	10
	***Estor/EPA ID	Cleanup Status**: 70000075	NO ACTION REQUIRED AS OF 10/26/2005*		

CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the CERS HAZ database, dated Aug 7, 2020 has found that there are 3 CERS HAZ site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Superior Pool Products LLC #548A	12221 POPLAR ST BLDG E HESPERIA CA 92344	SW	0.09 / 481.92	1
3M OAK HILLS	12221 POPLAR ST UNIT D20 OAK HILLS CA 92344	SW	0.09 / 481.92	1
Velocity Truck Centers High Desert	8995 THREE FLAGS AVE HESPERIA CA 92345	SW	0.12 / 615.20	2

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key



Map : 1.0 Mile Radius

Order Number: 20300900105

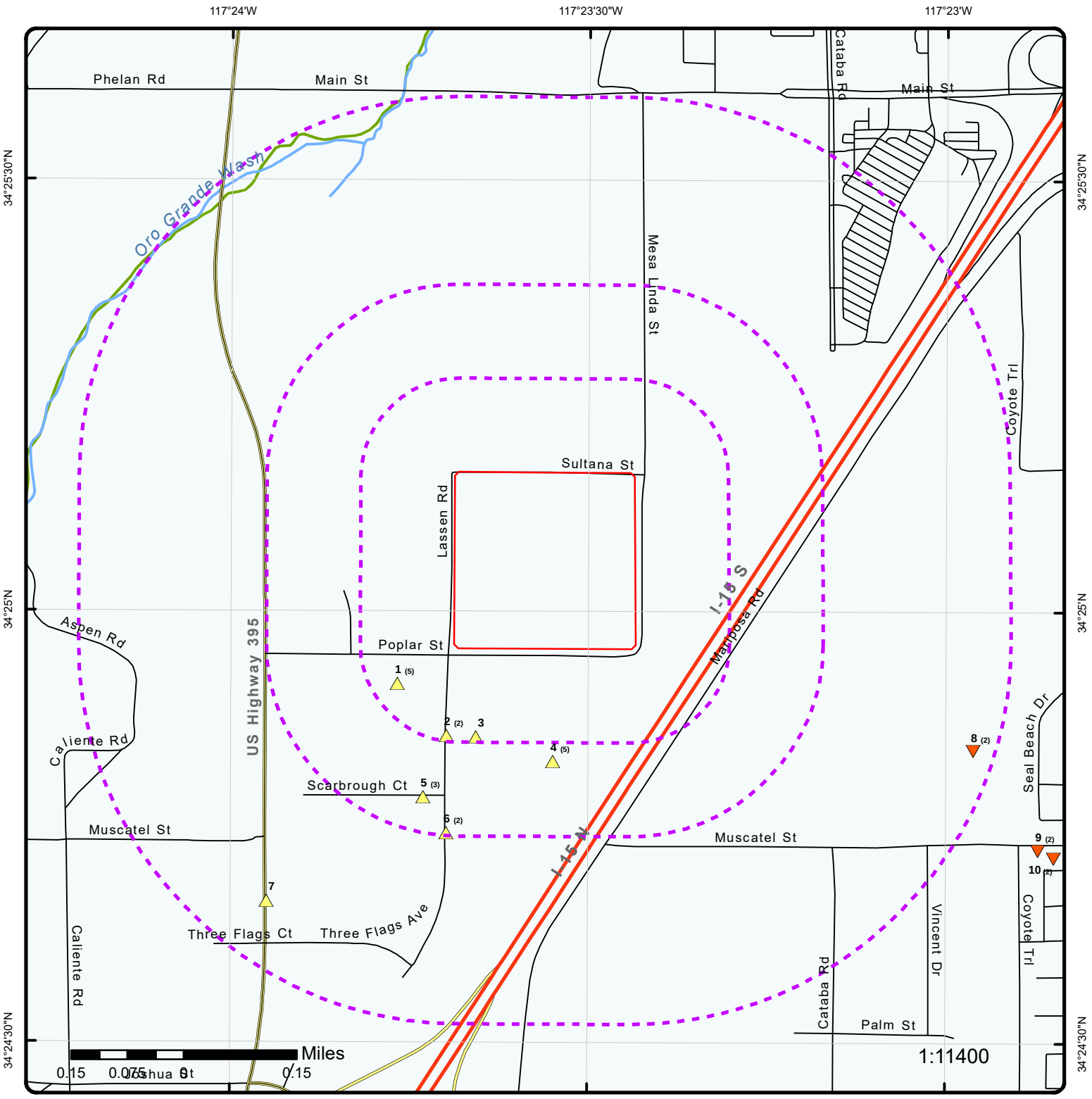
Address: Hesperia, Hesperia, CA

ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)

Source: © 2016 ESRI

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Map : 0.5 Mile Radius

Order Number: 20300900105

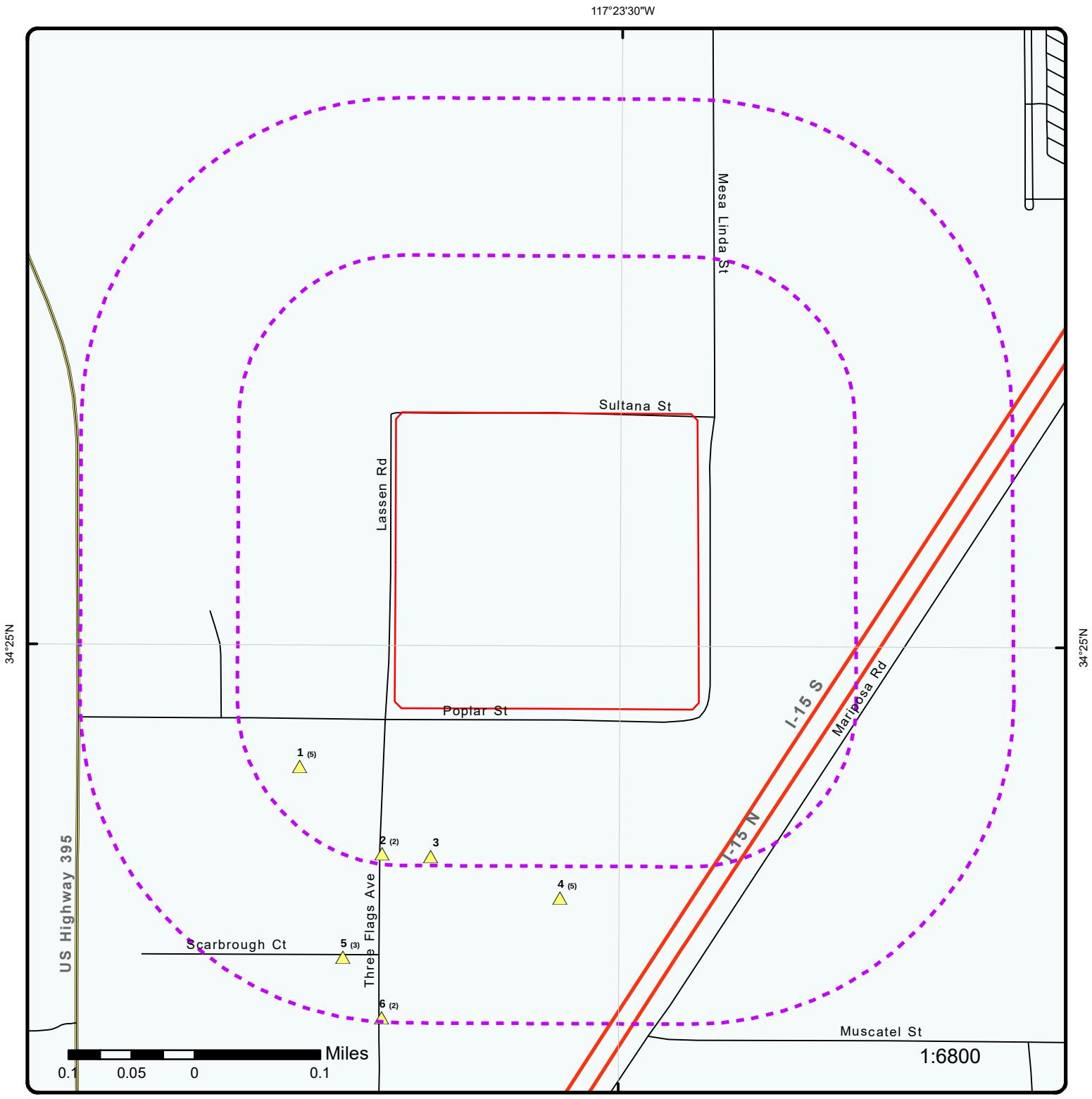
Address: Hesperia, Hesperia, CA

ENVIRONMENTAL RISK INFORMATION SERVICES

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

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Map : 0.25 Mile Radius

Order Number: 20300900105

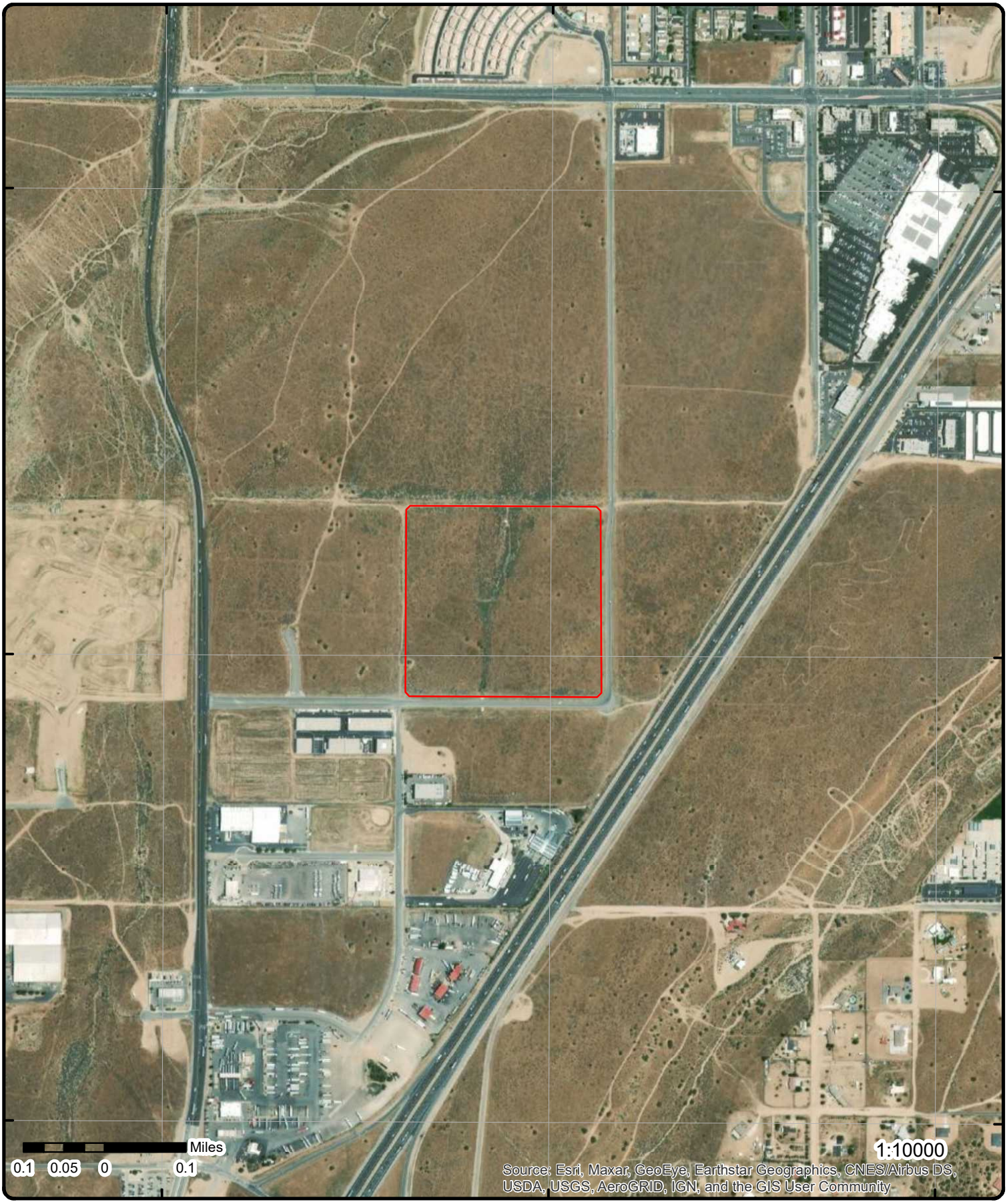
Address: Hesperia, Hesperia, CA

ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)

Source: © 2016 ESRI

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Aerial **Year: 2019**

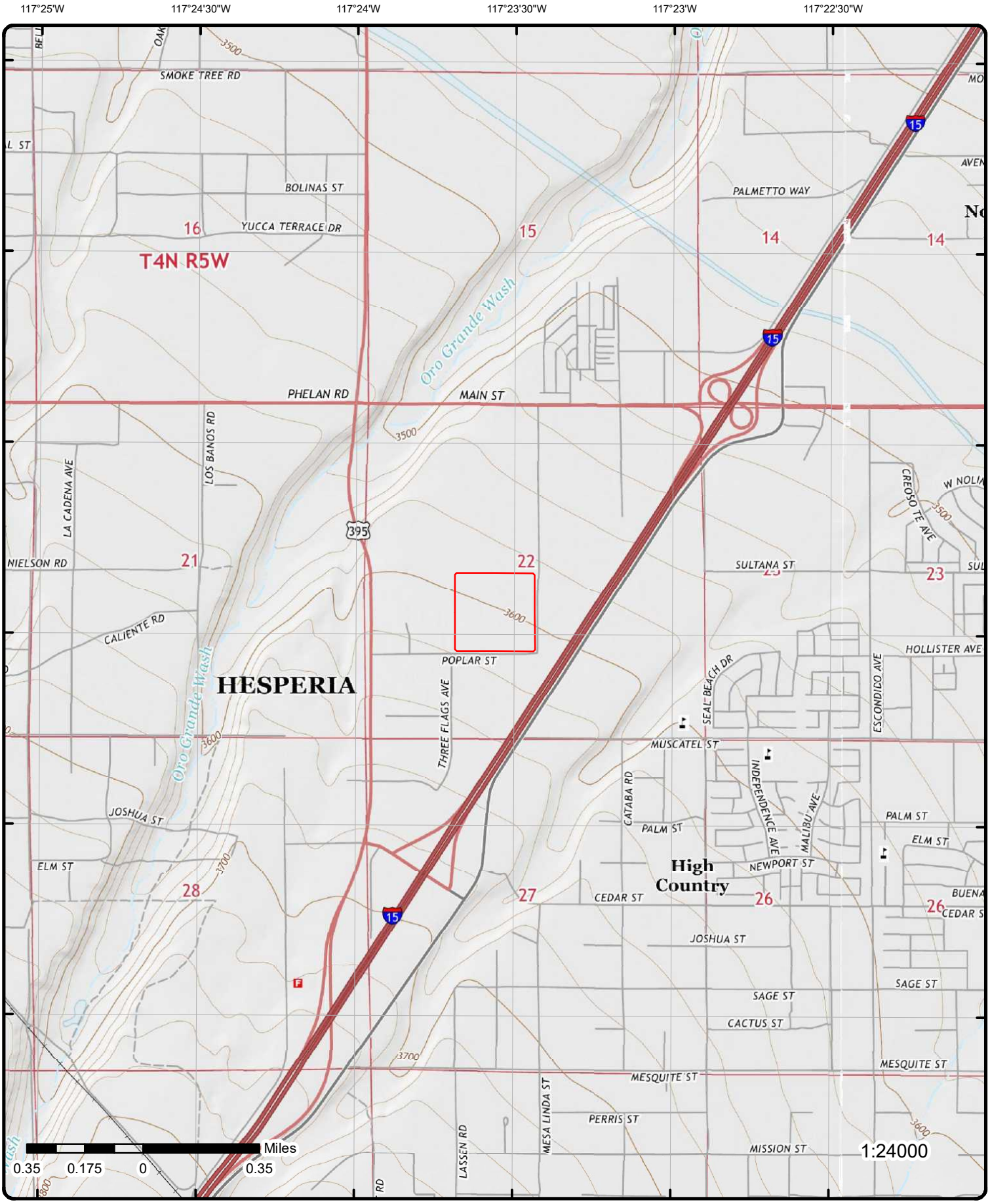
Address: Hesperia, Hesperia, CA

Source: ESRI World Imagery

Order Number: 20300900105

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

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Topographic Map

Year: 2015

Address: Hesperia, CA

Quadrangle(s): Hesperia,CA; Baldy Mesa,CA

Source: USGS Topographic Map

Order Number: 20300900105

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ENVIRONMENTAL RISK INFORMATION SERVICES

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Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 5	SW	0.09 / 481.92	3,627.02 / 26	DESERT DYNAMICS OFFROAD 12221 POPLAR ST BLDG B-10 HESPERIA CA 92344	SANBERN CUPA

Facility ID: FA0012792
Owner Info: LAWSON, DAVE
Mailing Care of: DAVE LAWSON
Mailing Address 1: 12221 POPLAR ST BLDG B-10
Mailing Address 2:
Mailing City: HESPERIA
Mailing State: CA
Mailing Zip: 92344

Detail(s)

Permit ID: PT0022349
Status: INACTIVE
Program Element Code: 4221
Permit Desc: HAZMAT HANDLER 0-10 EMPLOYEES
To: 10/31/2010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of 5	SW	0.09 / 481.92	3,627.02 / 26	THE LITZENBERGER COMPANY 12221 POPLAR ST 14 HESPERIA CA 92345	SANBERN CUPA

Facility ID: FA0011408
Owner Info: LITZENBERGER, TROY
Mailing Care of: TROY LITZENBERGER
Mailing Address 1: P.O. BOX 943
Mailing Address 2:
Mailing City: WRIGHTWOOD
Mailing State: CA
Mailing Zip: 92397-0943

Detail(s)

Permit ID: PT0019744
Status: INACTIVE
Program Element Code: 4221
Permit Desc: HAZMAT HANDLER 0-10 EMPLOYEES
To: 2/28/2013

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	3 of 5	SW	0.09 / 481.92	3,627.02 / 26	3M OAK HILLS 12221 POPLAR ST UNIT D20 OAK HILLS CA 92344	SANBERN CUPA

Facility ID: FA0013596
Owner Info: 3M COMPANY
Mailing Care of:
Mailing Address 1: 8981 US HWY 395
Mailing Address 2:
Mailing City: OAK HILLS
Mailing State: CA
Mailing Zip: 92344

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Detail(s)

Permit ID: PT0023866
Status: ACTIVE
Program Element Code: 4244
Permit Desc: HAZARDOUS MATERIALS 11-30 CHEMICALS
To: 11/30/2020

1	*4 of 5*	*SW*	*0.09 / 481.92*	*3,627.02 / 26*	***3M OAK HILLS*** ***12221 POPLAR ST UNIT D20*** ***OAK HILLS CA 92344***	***CERS HAZ***

Site ID: 617
Latitude: 34.415420
Longitude: -117.396260
County: San Bernardino Count

Regulated Programs

EI ID: 10311793 ***EI Description:*** Chemical Storage Facilities

Violations

Violation Date: 09/29/2016 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 10/19/2016. Update submitted chemical inventory, facility site map, and emergency response plan.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 11/21/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 11/22/2019. OBSERVATION: The site map uploaded in CERS is missing the following requirements: north orientation, adjacent streets and hazardous materials storage area. CORRECTIVE ACTION: Submit an accurate and complete site map into CERS.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 11/21/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 11/22/2019. OBSERVATION: Observed (2) 275 gallon totes of Styronal ND 811 not being reported in CERS. CORRECTIVE ACTION: Submit an accurate and complete hazardous materials inventory via CERS.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Enforcements

Enf Action Date: 09/29/2016
Enf Action Program: HMRRP
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Source: CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 09/29/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HANDLER INSPECTION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/21/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Operator
Entity Name: 3M Oak Hills
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (760) 949-4204

Affil Type Desc: Document Preparer
Entity Name: Jesse Cain
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: JESSE CAIN
Entity Title:
Address: 13044 Rocky Trail Way

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

City: Victorville
State: CA
Country:
Zip Code: 92395
Phone:

Affil Type Desc: Legal Owner
Entity Name: 3M COMPANY
Entity Title:
Address: 8981 HWY 395
City: OAK HILLS
State: CA
Country: United States
Zip Code: 92344
Phone: (760) 949-4204

Affil Type Desc: Parent Corporation
Entity Name: 3M Oak Hills
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 8981 US HWY 395
City: OAK HILLS
State: CA
Country:
Zip Code: 92344
Phone:

Affil Type Desc: Identification Signer
Entity Name: DANIEL BRAUN
Entity Title: PLANT MANAGER
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title:
Address: 620 South E Street
City: San Bernardino
State: CA
Country:
Zip Code: 92415-0153
Phone: (909) 386-8401

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	5 of 5	SW	0.09 / 481.92	3,627.02 / 26	**Superior Pool Products LLC #548A** **12221 POPLAR ST BLDG E** **HESPERIA CA 92344**	CERS HAZ

Site ID: 437884
Latitude: 34.415420
Longitude: -117.396790
County: San Bernardino Count

Regulated Programs

EI ID: 10762693 **EI Description:** Chemical Storage Facilities

Affiliations

Affil Type Desc: Operator
Entity Name: Superior Pool Products LLC
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (760) 981-0159

Affil Type Desc: Environmental Contact
Entity Name: Annetter Niemiec
Entity Title:
Address: 109 Northpark Blvd., Suite 123
City: Covington
State: LA
Country:
Zip Code: 70433
Phone:

Affil Type Desc: Property Owner
Entity Name: JT & LT Family LLC
Entity Title:
Address: 310 Goetz Avenue
City: Santa Ana
State: CA
Country: United States
Zip Code: 92707
Phone: (714) 981-3623

Affil Type Desc: Document Preparer
Entity Name: ANNETTE NIEMIEC
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: ANNETTE NIEMIEC
Entity Title: EPA Government Relations Coordinator
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: Superior Pool Products LLC
Entity Title:
Address: 109 Northpark Blvd., Suite 400
City: Covington
State: LA
Country: United States
Zip Code: 70433
Phone: (985) 892-5521

Affil Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Address: 620 South E Street
City: San Bernardino
State: CA
Country:
Zip Code: 92415-0153
Phone: (909) 386-8401

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 109 Northpark Blvd., Suite 123
City: Covington
State: LA
Country:
Zip Code: 70433
Phone:

Affil Type Desc: Parent Corporation
Entity Name: Superior Pool Products LLC #548A
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 2	SW	0.12 / 615.20	3,631.10 / 30	Velocity Truck Centers High Desert 8995 Three Flags AVE Hesperia CA 92345	SANBERN CUPA

Facility ID: FA0016142
Owner Info: Brad Fauvre & Conan Barker
Mailing Care of: DBECK@VVGTRUCK.COM
Mailing Address 1: 2429 S. PECK RD.
Mailing Address 2:
Mailing City: WHITTIER
Mailing State: CA
Mailing Zip: 90601

Detail(s)

Permit ID: PT0034885
Status: ACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 8/31/2020

Permit ID: PT0034884
Status: ACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 8/31/2020

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	2 of 2	SW	0.12 / 615.20	3,631.10 / 30	Velocity Truck Centers High Desert 8995 THREE FLAGS AVE HESPERIA CA 92345	CERS HAZ

Site ID: 169689
Latitude: 34.414260
Longitude: -117.394270
County: San Bernardino Count

Regulated Programs

EI ID: 10400761 ***EI Description:*** Hazardous Waste Generator

EI ID: 10400761 ***EI Description:*** Chemical Storage Facilities

Violations

Violation Date: 12/14/2016 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 01/08/2020. There were undisclosed hazardous materials at or above reportable quantities.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 12/14/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 01/09/2017. Failure to establish a Contingency Plan (CCR 66265.51(a)) Hazardous waste contingency plan has not been establish / submitted in California Environmental Reporting System (CERS).

Violation Description:

Hazardous Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 12/14/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 01/09/2017. Failure to operate and maintain facility to prevent a fire, spill or release (CCR 66265.31) Observed oil accumulation in secondary containment; spills on shop floor.

Violation Description:

Hazardous Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 12/14/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 01/09/2017. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) Accumulation start date missing on waste oily solids container.

Violation Description:

Hazardous Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 12/14/2016 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 01/08/2020. Hazardous Materials Business Plan (HMBP) submitted on CERS on 7/20/2016 was incomplete, inaccurate, and/or not current. Hazardous Materials Inventory and Facility Site Map was not complete or accurate. There were hazardous materials that was not disclosed previously. Emergency Response / Contingency and Employee Training Plan was not submitted in CERS.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 12/14/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 01/09/2017. Failure to manage hazardous waste lawfully (CHSC 25154) Hazardous waste was not managed lawfully. Compliance Requirement: Submit 3-weeks worth of hazardous waste weekly inspection to this Division.

Violation Description:

Hazardous Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 12/14/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 01/09/2017. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) Accumulation start date missing on waste oily solids container. Compliance Requirement: Submit a signed statement indicating that all hazardous waste containers have been properly labeled.

Violation Description:

Hazardous Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 12/14/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 01/09/2017. Hazardous waste accumulation time exceeded (CCR 66262.34(a)) Hazardous waste accumulation time exceeded for waste oily water. Last pick 6/4/14.

Violation Description:

Hazardous Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 12/14/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 01/09/2017. Failure to keep hazardous waste containers closed when not in active use (CCR 66265.173(a)) Bung caps were missing on used oil drums.

Violation Description:

Hazardous Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 12/14/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 12/14/2016. Failure to train facility personnel in hazardous waste management procedures (CCR 66265.16) Employee training documentation not documented and / or available for review. Provided at end of inspection.

Violation Description:

Hazardous Waste Generator Program - Training - General

Enforcements

Enf Action Date: 12/14/2016 ***Enf Action Program:*** HW
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 12/14/2016 ***Enf Action Program:*** HMRRP
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 01/06/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 12/14/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

GENERATOR INSPECTION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/14/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HANDLER INSPECTION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/06/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Operator
Entity Name: Ronnie Bullocks
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (909) 510-4186

Affil Type Desc: Environmental Contact
Entity Name: Devin Beck
Entity Title:
Address: 2429 S. Peck Rd
City: Whittier
State: CA
Country:
Zip Code: 90601
Phone:

Affil Type Desc: Document Preparer
Entity Name: Devin Beck
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Parent Corporation
Entity Name: Velocity Vehicle Group (VVG)
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: Brad Fauvre & Conan Barker

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Entity Title:
Address: 2429 South Peck Road
City: Whittier
State: CA
Country: United States
Zip Code: 90601
Phone: (562) 447-1203

Affil Type Desc: Identification Signer
Entity Name: Devin Beck
Entity Title: Safety and Environmental Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title:
Address: 620 South E Street
City: San Bernardino
State: CA
Country:
Zip Code: 92415-0153
Phone: (909) 386-8401

Affil Type Desc: Property Owner
Entity Name: Brad Fauvre & Conan Barker
Entity Title:
Address: 2429 Peck Road
City: Whittier
State: CA
Country: United States
Zip Code: 90601
Phone: (562) 447-1203

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 8995 Three Flags Ave.
City: Hesperia
State: CA
Country:
Zip Code: 92345
Phone:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of 1	SSW	0.12 / 619.21	3,629.85 / 29	HIGH DESERT TRUCK & TRAILER 8995 THREE FLAGS AVE STE B&C VICTORVILLE CA 92344-9487	RCRA NON GEN

EPA Handler ID: CAL000320679
Gen Status Universe: No Report
Contact Name: DEVIN BECK
Contact Address: 2429 S. PCK RD. , , WHITTIER , CA, 90601-0000 ,
Contact Phone No and Ext: 909-510-4272
Contact Email: DBECK@VVGTRUCK.COM
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20070613

Violation/Evaluation Summary

Note: NO RECORDS: As of May 2020, there are no Compliance Monitoring and Enforcement (violation) records

associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20070613
Handler Name:	HIGH DESERT TRUCK & TRAILER
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	2429 S. PCK RD.
Name:	DEVIN BECK	***Street 2:***	
Date Became Current:		***City:***	WHITTIER
Date Ended Current:		***State:***	CA
Phone:	909-510-4272	***Country:***	
Source Type:	Implementer	***Zip Code:***	90601-0000

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	2429 PECK RD
Name:	LOS ANGELES TRUCK SERVICE LLC	***Street 2:***	
Date Became Current:		***City:***	WHITTIER
Date Ended Current:		***State:***	CA
Phone:	562-447-1200	***Country:***	
Source Type:	Implementer	***Zip Code:***	90601-0000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	1 of 5	S	0.15 / 793.05	3,627.01 / 26	ZIPPY LUBE-A-TRUCK 8899 THREE FLAGS AVE Hesperia CA 92344	SANBERN CUPA

Facility ID:	FA0009125
Owner Info:	Renald Anelle
Mailing Care of:	VIVIAN.LAM@FLEETCREW.COM
Mailing Address 1:	P.O. Box 7509
Mailing Address 2:	
Mailing City:	LAGUNA NIGUEL
Mailing State:	CA
Mailing Zip:	92607

Detail(s)

Permit ID:	PT0015214

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: ACTIVE
Program Element Code: 4454
Permit Desc: LARGE QUANTITY GENERATOR
To: 12/31/2020

Permit ID: PT0023266
Status: ACTIVE
Program Element Code: 4031
Permit Desc: APSA 1,320-10,000 GAL FAC CAPACITY
To: 12/31/2020

Permit ID: PT0015215
Status: ACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 12/31/2020

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	2 of 5	S	0.15 / 793.05	3,627.01 / 26	Little Sister's Truck Wash 8899 Three Flags AVE Hesperia CA 92344	SANBERN CUPA

Facility ID: FA0010378
Owner Info: Little Sister's Truck Wash, Inc.
Mailing Care of: LSTWREN@GMAIL.COM
Mailing Address 1: 25 Rollingview Lane
Mailing Address 2:
Mailing City: Fallbrook
Mailing State: CA
Mailing Zip: 92028

Detail(s)

Permit ID: PT0017654
Status: ACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 5/31/2020

Permit ID: PT0017973
Status: ACTIVE
Program Element Code: 4452
Permit Desc: CONDITIONALLY EXEMPT SM QTY GENERATOR
To: 5/31/2020

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	3 of 5	S	0.15 / 793.05	3,627.01 / 26	ZIPPY LUBE-A-TRUCK 8899 THREE FLAGS AVE HESPERIA CA 92344	CERS TANK

Site ID: 172882
County: San Bernardino Count
Latitude: 34.413147
Longitude: -117.393130

Regulated Programs

EI ID: 10049617
EI Description: Hazardous Waste Generator

EI ID: 10049617
EI Description: Aboveground Petroleum Storage

EI ID: 10049617
EI Description: Chemical Storage Facilities

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 03/30/2017. Failure to keep hazardous waste containers closed when not in active use (CCR 66265.173(a)) Observed (1) 15 gallon drum of used oil that was not currently in use with no lid.

Violation Description:

Hazardous Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 11/14/2013 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Notes:

Returned to compliance on 11/14/2013. Failure to label hazardous waste containers (CCR 66262.34(f)(3)) corrected on site- operator properly labeled the hazwaste drum

Violation Description:

Haz Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 03/10/2020 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

OBSERVATION: Training documents related to hazardous materials and hazardous waste safety handling were not prpvided. CORRECTIVE ACTION: Conduct initial and annual employee training and maintain training records for a minimum of three years. Submit a signed statement indicating that training has been conducted and that training records will be kept on site for review.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 03/30/2017. The map submitted on CERS is missing adjacent streets and north orientation. Update and resubmit on CERS.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 03/10/2020 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

OBSERVATION: The designated person in charge stated in the SPCC plan, Jake Sanchez, is no longer employed at the facility and an updated person has not been assigned. CORRECTIVE ACTION: Submit a signed statement indicating that a person who reports to facility management has been designated as accountable for discharge prevention.

Violation Description:

Failure to designate person who reports to management as accountable for discharge prevention at facility.

Violations

Violation Date: 03/10/2020 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

OBSERVATION: (2) 230 gallon and (2) 240 gallon empty tanks acquired from another location have not been properly closed. CORRECTIVE ACTION: Submit photographs indicating that the tanks have been properly closed with a "permanently closed" label and the date they were closed.

Violation Description:

Failure to properly close tanks when making a claim of "permanently closed."

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 03/30/2017.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 03/30/2017. Failure to operate and maintain facility to prevent a fire, spill or release (CCR 66265.31) Failure to operate and maintain facility to prevent release/fire

Violation Description:

Hazardous Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 03/10/2020 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

OBSERVATION: The oil storage containers and capacity section of the SPCC plan was not consistent with what was observed on site. CORRECTIVE ACTION: Submit a signed statement indicating that the SPCC plan has been revised to address the type of oil and storage capacity of storage containers.

Violation Description:

Failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container.
For mobile or portable containers, either provide the type of oil and storage capacity, or an estimate of the potential number of mobile or portable containers, the types of oil, and anticipated storage capacities.

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: Un-Specified
Violation Notes:

Returned to compliance on 03/30/2017. Failure to obtain a CUPA Hazardous Materials Handler permit (SBCC 23.0602(a)) CUPA permits expired on 12/31/16.

Violation Description:

Business Plan Program - Administration/Documentation - General Local Ordinance

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 03/30/2017. Failure to train facility personnel in hazardous waste management procedures (CCR 66265.16) Per operator, hazardous waste management training is regularly conducted, but there was not documentation to this effect. This the site is a Large Quantity Generator (LQG), facility must provide annual hazardous waste management training.

Violation Description:

Hazardous Waste Generator Program - Training - General

Violations

Violation Date: 03/10/2020 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 04/08/2020. OBSERVATION: Facility failed to annually re-certify a complete business plan in CERS. Last submittal was dated 07/10/2019 (inventory element), 04/16/2018 (emergency response element) and 08/08/2018 (APSA element). CORRECTIVE ACTION: Review and certify the business plan via CERS. Your CERS ID number is 10049617.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 03/30/2017. The hazardous materials inventory submitted 12/16/13 is missing (1) 275 gallon tote of Diesel Exhaust Fluid.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 03/30/2017. Failure to obtain a CUPA Hazardous Waste Generator Permit (SBCC 23.0602(b)(1)) CUPA permits expired on 12/31/16.

Violation Description:

Hazardous Waste Generator Program - Administration/Documentation - General

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 25270.6(b) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(b)
Violation Notes:

Returned to compliance on 03/30/2017. CUPA permits expired on 12/31/16.

Violation Description:

Failure to pay the APSA Program fee.

Violations

Violation Date: 03/10/2020 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

OBSERVATION: Facility failed to provide training to oil-handling personnel. CORRECTIVE ACTION: Submit signed statement indicating that all oil-handling personnel have been trained.

Violation Description:

Failure to provide the following training to all oil-handling personnel:

1. Operation and maintenance of equipment to prevent discharges.

2. Discharge procedure protocols.

3. Applicable pollution control laws, rules, and regulations.

4. General facility operations.

5. Contents of the SPCC Plan.

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 03/30/2017. Failure to label hazardous waste containers (CCR 66262.34(f)(3)) Observed (1) 55 gallon container of used oil and (1) 55 gallon drum of waste grease with no hazardous waste label.

Violation Description:

Hazardous Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 03/30/2017. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) Observed (1) 55 gallon drum of waste grease with no accumulation start date marked.

Violation Description:

Hazardous Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 03/10/2020 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Notes:

OBSERVATION: Facility failed to re-certify their SPCC plan every 5 years. Certified SPCC plan was dated for 12/16/2013. CORRECTIVE ACTION: Submit a signed statement indicating that the 5-year review has been performed, documented and SPCC plan amended if necessary.

Violation Description:

Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.

Violations

Violation Date: 03/10/2020 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 25201 - California Health and Safety Code, Chapter 6.5, Section(s) 25201
Violation Notes:

OBSERVATION: (1) 55 gallon drum and (1) 100 gallon container of used antifreeze were observed with an accumulation start date of 05/13/2017 and 06/11/2019 and a manifest/receipt demonstrating disposal within the past 90 days was not available. CORRECTIVE ACTION: Dispose of the used antifreeze and submit a copy of the manifest/receipt to the CUPA.

Violation Description:

Failure to obtain a permit or grant of interim status after generator has accumulated hazardous waste on-site for longer than 90 days.

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 03/30/2017. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) Observed (1) 55 gallon drums of waste grease with an illegible hazardous waste label.

Violation Description:

Hazardous Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Notes:

Returned to compliance on 03/30/2017. Observed (4) 55 gallon drums of drained used oil filters with no lid, (2) 55 gallon drained used oil filters with no labels, and (1) 55 gallon drum of drained used oil filters with a label, but no accumulation start date.

Violation Description:

Failure to properly manage used oil and/or fuel filters in accordance with the requirements.

Violations

Violation Date: 11/14/2013 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Notes:

Returned to compliance on 11/14/2013. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) corrected on site- operator properly labeled the hazwaste drum

Violation Description:

Haz Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 03/10/2020 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Violation Description:

Failure to properly close tanks when making a claim of "permanently closed."

Violations

Violation Date: 03/10/2020 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Notes:

OBSERVATION: Facility failed to include in the SPCC plan adequate training for oil-handling personnel. CORRECTIVE ACTION: Submit a signed statement indicating that the SPCC plan has been revised to training for oil-handling personnel.

Violation Description:

Failure to include in the SPCC plan an adequate description of employee training. Training shall address, at a minimum: operation and maintenance of equipment to prevent discharges; discharge procedure protocols; applicable pollution control laws, rules, and regulations; general facility operations; content of the facility SPCC plan; and annual discharge prevention briefings for oil-handling personnel to assure adequate understanding of the SPCC plan.

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** San Bernardino County Fire Department

Citation: HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)

Violation Notes:

Returned to compliance on 03/30/2017. A Tank Facility Statement had not been submitted since 12/16/13.

Violation Description:

Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.

Violations

Violation Date: 11/14/2013 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Notes:

Returned to compliance on 11/14/2013. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) corrected on site- operator properly labeled the hazwaste drum

Violation Description:

Haz Waste Generator Program - Operations/Maintenance - General

Violations

Violation Date: 11/14/2013 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** San Bernardino County Fire Department
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Notes:

Returned to compliance on 11/14/2013. corrected on site- operator properly labeled marked the drained used oil filter drum for the start date

Violation Description:

Failure to properly handle, manage, label, and recycle used oil and fuel filters.

Violations

Violation Date: 01/09/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** San Bernardino County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 03/30/2017. The Emergency Response (ER) Plan contains the incorrect phone number for the Local Unified Program Agency (CUPA). The correct phone number for the Emergency Response team at the CUPA is (909) 386-8425. Update the ER Plan and resubmit on CERS.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Enforcements

Enf Action Date: 01/09/2017 ***Enf Action Program:*** HMRRP
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 11/14/2013 ***Enf Action Program:*** HW
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 01/09/2017 ***Enf Action Program:*** APSA
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 01/09/2017 ***Enf Action Program:*** HW
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: San Bernardino County Fire Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 03/10/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 03/10/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 11/14/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

zippy lube- hesperia/ oak hills-insp; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/14/2013
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

zippy lube- hesperia/ oak hills-insp; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/09/2017
Violations Found: Yes

Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

ROUTINE GENERATOR INSPECTION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/10/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 01/09/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

ROUTINE HANDLER INSPECTION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/09/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS
Eval Notes:

ROUTINE APSA INSPECTION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/14/2013
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS
Eval Notes:

zippy lube- hesperia/ oak hills-insp; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title:
Address: 620 South E Street
City: San Bernardino
State: CA
Country:
Zip Code: 92415-0153
Phone: (909) 386-8401

Affil Type Desc: Document Preparer

Entity Name:	Christina Ross
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Legal Owner
Entity Name:	Renald Anelle
Entity Title:	
Address:	P.O. Box 1530
City:	Bonsall
State:	CA
Country:	United States
Zip Code:	92003
Phone:	(949) 627-4644

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	8899 Three Flags Ave.
City:	Hesperia
State:	CA
Country:	
Zip Code:	92345
Phone:	

Affil Type Desc:	Parent Corporation
Entity Name:	ZIPPY LUBE
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Identification Signer
Entity Name:	Christina Ross
Entity Title:	ENVIRONMENTAL CONTACT
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Operator
Entity Name:	ZIPPY LUBE
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(949) 412-5059

Affil Type Desc:	Environmental Contact
Entity Name:	CHRISTINA ROSS
Entity Title:	
Address:	P.O. Box 7509
City:	Laguna Niguel
State:	CA
Country:	
Zip Code:	92607
Phone:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Coordinates

Env Int Type Code:	HWG	***Longitude:***	-117.393120
Program ID:	10049617	***Coord Name:***	
Latitude:	34.413139	***Ref Point Type Desc:***	Unknown

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	4 of 5	S	0.15 / 793.05	3,627.01 / 26	ANELLE MANAGEMENT SERVICES INC DBA FLEET CREW 8899 THREE FLAGS AVE HESPERIA CA 92344-0497	RCRA NON GEN

EPA Handler ID:	CAL000416670
Gen Status Universe:	No Report
Contact Name:	CRAIG PHILLIPS
Contact Address:	29911 NIGUEL ROAD #7509 , , LAGUNA NIGUEL , CA, 92607-0000 ,
Contact Phone No and Ext:	951-660-0400
Contact Email:	CRAIG.PHILLIPS@FLEETCREW.COM
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20160502

Violation/Evaluation Summary

Note:	NO RECORDS: As of May 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20160502
Handler Name:	ANELLE MANAGEMENT SERVICES INC DBA FLEET CREW
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	29911 NIGUEL ROAD
Name:	ANELLE MGMT SRV INC DBA FLEET CREW	***Street 2:***	#7509
Date Became Current:		***City:***	LAGUNA NIGUEL
Date Ended Current:		***State:***	CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone:	951-660-0400	**Country:**	
Source Type:	Implementer	**Zip Code:**	92607-0000
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	29911 NIGUEL ROAD #7509
Name:	CRAIG PHILLIPS	**Street 2:**	
Date Became Current:		**City:**	LAGUNA NIGUEL
Date Ended Current:		**State:**	CA
Phone:	951-660-0400	**Country:**	
Source Type:	Implementer	**Zip Code:**	92607-0000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	5 of 5	S	0.15 / 793.05	3,627.01 / 26	LITTLE SISTERS TRUCK WASH INC 8899 THREE FLAGS AVE OAK HILLS CA 92344-0497	RCRA NON GEN

EPA Handler ID:	CAL000353253
Gen Status Universe:	No Report
Contact Name:	JOE MCFANN
Contact Address:	8899 THREE FLAGS AVE , , OAK HILLS , CA, 92344 ,
Contact Phone No and Ext:	760-947-4448
Contact Email:	RJA@YELLOWMAGIC.COM
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20100610

Violation/Evaluation Summary

Note: NO RECORDS: As of May 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20100610
Handler Name:	LITTLE SISTERS TRUCK WASH INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Type:	Other	**Street 1:**	25 ROLLING VIEW LN
Name:	LITTLE SISTERS TRUCK WASH INC	**Street 2:**	
Date Became Current:		**City:**	FALLBROOK
Date Ended Current:		**State:**	CA
Phone:	760-731-3170	**Country:**	
Source Type:	Implementer	**Zip Code:**	92028-9234
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	8899 THREE FLAGS AVE
Name:	JOE MCFANN	**Street 2:**	
Date Became Current:		**City:**	OAK HILLS
Date Ended Current:		**State:**	CA
Phone:	760-947-4448	**Country:**	
Source Type:	Implementer	**Zip Code:**	92344

5	*1 of 3*	*SSW*	*0.20 / 1,071.34*	*3,641.64 / 41*	***3M OAK HILLS REMOTE STORAGE*** ***12269 SCARBROUGH CT*** ***HESPERIA CA 92344***	***SANBERN CUPA***

Facility ID:	FA0012098
Owner Info:	3M COMPANY
Mailing Care of:	3M OAK HILLS
Mailing Address 1:	8981 US HWY 395
Mailing Address 2:	
Mailing City:	HESPERIA
Mailing State:	CA
Mailing Zip:	92344

Detail(s)

Permit ID:	PT0021294
Status:	INACTIVE
Program Element Code:	4250
Permit Desc:	HAZMAT HANDLER - UNSTAFFED REMOTE FACILITY
To:	3/31/2011

5	*2 of 3*	*SSW*	*0.20 / 1,071.34*	*3,641.64 / 41*	***DIRECTV*** ***12269 SCARBROUGH CT*** ***HESPERIA CA 92345***	***SANBERN CUPA***

Facility ID:	FA0013884
Owner Info:	DIRECTV
Mailing Care of:	
Mailing Address 1:	12269 SCARBROUGH CT
Mailing Address 2:	
Mailing City:	HESPERIA
Mailing State:	CA
Mailing Zip:	92344

Detail(s)

Permit ID:	PT0024398
Status:	INACTIVE
Program Element Code:	4241
Permit Desc:	HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
To:	9/30/2012

5	*3 of 3*	*SSW*	*0.20 / 1,071.34*	*3,641.64 / 41*	***CDM CONSTRUCTORS INC.*** ***12269 SCARBROUGH CT*** ***HESPERIA CA 92345***	***SANBERN CUPA***

Facility ID:	FA0008728
Owner Info:	CDM CONSTRUCTORS INC.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Mailing Care of: JOYCE JACKSON
Mailing Address 1: 12269 SCARBROUGH COURT
Mailing Address 2:
Mailing City: HESPERIA
Mailing State: CA
Mailing Zip: 92345-0000

Detail(s)

Permit ID: PT0015514
Status: INACTIVE
Program Element Code: 4221
Permit Desc: HAZMAT HANDLER 0-10 EMPLOYEES
To: 12/31/2006

Permit ID: PT0015515
Status: INACTIVE
Program Element Code: 4202
Permit Desc: HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)
To: 12/31/2004

6	1 of 2	SSW	0.25 / 1,299.19	3,645.08 / 44	RV Supply Center, Inc 8893 Three Flags AVE Ste B Oak Hills CA 92344	SANBERN CUPA

Facility ID: FA0016222
Owner Info: Mark Boesch
Mailing Care of:
Mailing Address 1: 8893 Three Flags Ave Ste B
Mailing Address 2:
Mailing City: Oak Hills
Mailing State: CA
Mailing Zip: 92344

Detail(s)

Permit ID: PT0036888
Status: ACTIVE
Program Element Code: 4243
Permit Desc: HAZARDOUS MATERIALS 4-10 CHEMICALS
To: 5/31/2020

Permit ID: PT0036889
Status: ACTIVE
Program Element Code: 4453
Permit Desc: SMALL QUANTITY GENERATOR
To: 5/31/2020

6	2 of 2	SSW	0.25 / 1,299.19	3,645.08 / 44	RV SUPPY CENTER INC 8893 THREE FLAGS AVE STE B OAK HILLS CA 92344	RCRA NON GEN

EPA Handler ID: CAL000307361
Gen Status Universe: No Report
Contact Name: MARK BOESCH
Contact Address: 8893 THREE FLAGS AVE STE B , , OAK HILLS , CA, 92344 ,
Contact Phone No and Ext: 760-949-1222
Contact Email: MARK@RVSCINC.COM
Contact Country:
County Name: SAN BERNARDINO
EPA Region: 09
Land Type:
Receive Date: 20060526

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Violation/Evaluation Summary

Note: NO RECORDS: As of May 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20060526
Handler Name:	RV SUPPY CENTER INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	8893 THREE FLAGS AVE STE B
Name:	MARK BOESCH	***Street 2:***	
Date Became Current:		***City:***	OAK HILLS
Date Ended Current:		***State:***	CA
Phone:	760-949-1222	***Country:***	
Source Type:	Implementer	***Zip Code:***	92344
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	8893 THREE FLAGS AVE STE B
Name:	RV SUPPLY CENTER INC	***Street 2:***	
Date Became Current:		***City:***	OAK HILLS
Date Ended Current:		***State:***	CA
Phone:	760-949-1222	***Country:***	
Source Type:	Implementer	***Zip Code:***	92344-0000

7	***1 of 1***	***SW***	***0.42 / 2,225.97***	***3,659.32 / 58***	***TIMOTHY LANE 8685 US HIGHWAY 395 HESPERIA CA 92345***	***LUST***

Global ID:	T0607100957	***County:***	SAN BERNARDINO
Status:	COMPLETED - CASE CLOSED	***Latitude:***	34.409644
Status Date:	7/1/1999	***Longitude:***	-117.3991616
Case Type:	LUST CLEANUP SITE		
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 6B3600962T
Local Case No:
Begin Date: 6/21/1999
Lead Agency: HESPERIA, CITY OF
Local Agency: SAN BERNARDINO COUNTY
CUF Case: NO
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: Mojave - Upper Mojave (628.20)
DWR GW Subbasin Name: Upper Mojave River Valley (6-042)
Disadvantaged Community:
Site History:

Potential COC: Gasoline
How Discovered: Other Means
Stop Method:
Stop Description:
Case Worker:
File Location:

Regulatory Activity

Action Type: Other
Date : 7/1/1999
Action: Leak Reported

Action Type: Other
Date : 7/1/1999
Action: Leak Stopped

Action Type: Other
Date : 6/21/1999
Action: Leak Discovery

Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: JACKSON CRUTSINGER
City: SAN BERNARDINO
Organization Name: SAN BERNARDINO COUNTY
Address: 620 SOUTH E STREET
Email: jcrutsinger@sbcfire.org
Phone No:

Contact Type: Regional Board Caseworker
Contact Name: JEHIEL CASS
City: VICTORVILLE
Organization Name: LAHONTAN RWQCB (REGION 6V)
Address: 15095 Armagosa Road, Building 2, Suite 210
Email: jehiel.cass@waterboards.ca.gov
Phone No: 7602412434

Status History

Status: Completed - Case Closed
Status Date: 7/1/1999

Status: Open - Case Begin Date
Status Date: 6/21/1999

LUST Sites from GeoTracker Search - Regulatory Profile (as of Feb 24, 2020)

Site Facility Name: TIMOTHY LANE
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
File Location:
Designated Beneficial Use: MUN, AGR, IND, FRSH, AQUA
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0607100957
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 7/1/1999

Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 8685 US HIGHWAY 395
City: HESPERIA
Zip: 92345
County: SAN BERNARDINO
CUF Claim:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0607100957&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Upper Mojave River Valley (6-042)
Calwater Watershed Name: Mojave - Upper Mojave (628.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: HESPERIA, CITY OF (LEAD)
LAHONTAN RWQCB (REGION 6V) - CASE #: 6B3600962T
CASEWORKER: JEHIEL CASS
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Freshwater Replenishment, AQUA
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History (as of Feb 24, 2020)

Status: Completed - Case Closed
Date : 7/1/1999

Status: Open - Case Begin Date
Date : 6/21/1999

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 24, 2020)

Action Type: Leak Action
Action Date: 7/1/1999
Received Issue Date:
Action: Leak Stopped
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 7/1/1999
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 6/21/1999
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	1 of 2	ESE	0.47 / 2,488.33	3,582.84 / -18	NEW MESQUITE TRAILS WEST ELEMENTARY SCHOOL 12850 MUSCATEL STREET HESPERIA CA 92345	SCH

Estor/EPA ID: 70000125
Site Code: 404669
Nat Priority List: NO
Acres: 7 ACRES
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 33
Senate District: 21
School District: HESPERIA UNIFIED SCHOOL DISTRICT
APN: 3064-631-07
Permit Renewal Lead:
Project Manager:
Supervisor: SHAHIR HADDAD
Public Partici Spclst:
Census Tract: 6071010017
County: SAN BERNARDINO
Latitude: 34.4139790415062
Longitude: -117.382682081209

Cleanup Status: NO ACTION REQUIRED AS OF 11/16/2005
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Past Use that Caused Contam: NONE
Potential Media Affected: NO MEDIA AFFECTED
Potential Contamin of Concern:

NO CONTAMINANTS FOUND

SITE HISTORY:

The site is in a an area of mixed residential and undeveloped land. An existing school consisting of modular buildings occupies the site. A retention basin is in one portion that recieves on site runoff. A previous Phase I was submitted that included a dry wash area. Based on the site visit, the retention basin does not pose a problem for a no action.

Status: NO ACTION REQUIRED
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 56-60%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=70000125

Completed Activities

Title: Phase 1 Environmental Site Assessment New Mesquite Trails West ES Site (URS 11/3)
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=70000125&doc_id=6008733
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 11/16/2005
Comments: Phase I review complete.

8	2 of 2	ESE	0.47 / 2,488.33	3,582.84 / -18	NEW MESQUITE TRAILS WEST ELEMENTARY SCHOOL 12850 MUSCATEL STREET HESPERIA CA 92345	ENVIROSTOR

Estor/EPA ID: 70000125
Site Code: 404669
Nat Priority List: NO
APN: 3064-631-07
Census Tract: 6071010017
Site Type: SCHOOL
Address Description: 12850 MUSCATEL STREET
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 33
Senate District: 21
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: SAN BERNARDINO
Latitude: 34.4139790415062
Longitude: -117.382682081209
Acres: 7 ACRES
Supervisor: SHAHIR HADDAD
Cleanup Status: NO ACTION REQUIRED AS OF 11/16/2005
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District: HESPERIA UNIFIED SCHOOL DISTRICT
Past Use that Caused Contam: NONE
Potential Media Affected: NO MEDIA AFFECTED
Potential Contamin of Concern:

NO CONTAMINANTS FOUND

Site History:

The site is in a an area of mixed residential and undeveloped land. An existing school consisting of modular buildings occupies the site. A retention basin is in one portion that recieves on site runoff. A previous Phase I was submitted that included a dry wash area. Based on the site visit, the retention basin does not pose a problem for a no action.

Status: NO ACTION REQUIRED
A2 Program Type: SCHOOL EVALUATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CalEnviroScreen Score: 56-60%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=70000125

Completed Activities

Title: Phase 1 Environmental Site Assessment New Mesquite Trails West ES Site (URS 11/3)
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=70000125&doc_id=6008733
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 11/16/2005
Comments: Phase I review complete.

9	1 of 2	ESE	0.60 / 3,177.40	3,597.76 / -3	MESQUITE TRAILS WEST SCHOOL SITE MUSCATEL ROAD/COYOTE TRAIL HESPERIA CA 92345	SCH

Estor/EPA ID: 36820003
Site Code: 404588
Nat Priority List: NO
Acres: 20 ACRES
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 33
Senate District: 21
Permit Renewal Lead:
Project Manager: AMIT PATHAK
Supervisor: SHAHIR HADDAD
Public Partici Spclst:
Census Tract: 6071010017
County: SAN BERNARDINO
Latitude: 34.412056
Longitude: -117.381167
School District: HESPERIA UNIFIED SCHOOL DISTRICT
APN: NONE SPECIFIED
Cleanup Status: NO ACTION REQUIRED AS OF 6/6/2006
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Past Use that Caused Contam: EDUCATIONAL SERVICES
Potential Media Affected: NO MEDIA AFFECTED
Potential Contamin of Concern:

NO CONTAMINANTS FOUND

SITE HISTORY:

The site is currently occupied by the Sheryl Malone Educational Park Facilities for California Charter Academies. The site is an inactive school consisting of single story individual modular classroom buildings occupying the 7-acre triangular shaped southeast portion of the 20-acre land parcel. The school was constructed in 2002. The site is located within a vacant residential desert land community with one existing single family residence across the site. The existing school is on an elevated pad relative to the surrounding adjacent properties. A parking lot is in the southern portion and two basketball courts are built in the north-central portion of the property. The entire school site is enclosed with a chainlink fence, iron fence and a gate in front. The rear apex of the school site is an existing detention basin enclosed with a chainlink fence. RESUBMITTED IN A REVISED PHASE I NOVEMBER 2005

Status: NO ACTION REQUIRED
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 56-60%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36820003

Completed Activities

Title: Phase 1
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36820003&doc_id=6005086
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 2/7/2005

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Comments:						

9	2 of 2	ESE	0.60 / 3,177.40	3,597.76 / -3	MESQUITE TRAILS WEST SCHOOL SITE MUSCATEL ROAD/COYOTE TRAIL HESPERIA CA 92345	ENVIROSTOR

Estor/EPA ID: 36820003
Site Code: 404588
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6071010017
Site Type: SCHOOL
Address Description: MUSCATEL ROAD/COYOTE TRAIL
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 33
Senate District: 21
Permit Renewal Lead:
Public Partici Spclst:
Project Manager: AMIT PATHAK
County: SAN BERNARDINO
Latitude: 34.412056
Longitude: -117.381167
Acres: 20 ACRES
Supervisor: SHAHIR HADDAD
Cleanup Status: NO ACTION REQUIRED AS OF 6/6/2006
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District: HESPERIA UNIFIED SCHOOL DISTRICT
Past Use that Caused Contam: EDUCATIONAL SERVICES
Potential Media Affected: NO MEDIA AFFECTED
Potential Contamin of Concern:

NO CONTAMINANTS FOUND

Site History:

The site is currently occupied by the Sheryl Malone Educational Park Facilities for California Charter Academies. The site is an inactive school consisting of single story individual modular classroom buildings occupying the 7-acre triangular shaped southeast portion of the 20-acre land parcel. The school was constructed in 2002. The site is located within a vacant residential desert land community with one existing single family residence across the site. The existing school is on an elevated pad relative to the surrounding adjacent properties. A parking lot is in the southern portion and two basketball courts are built in the north-central portion of the property. The entire school site is enclosed with a chainlink fence, iron fence and a gate in front. The rear apex of the school site is an existing detention basin enclosed with a chainlink fence. RESUBMITTED IN A REVISED PHASE I NOVEMBER 2005

Status: NO ACTION REQUIRED
A2 Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 56-60%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36820003

Completed Activities

Title: Phase 1
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=36820003&doc_id=6005086
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 2/7/2005
Comments:

10	1 of 2	ESE	0.63 / 3,301.76	3,596.86 / -4	MISSION CREST ELEMENTARY SCHOOL 13065 MUSCATEL STREET HESPERIA CA 92345	SCH

Estor/EPA ID: 70000075
Site Code: 404658
Nat Priority List: NO
Acres: 10 ACRES
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 33
Permit Renewal Lead:
Project Manager:
Supervisor: YOLANDA GARZA
Public Partici Spclst:
Census Tract: 6071010017
County: SAN BERNARDINO
Latitude: 34.4119

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Senate District: 21 **Longitude:** -117.3808
School District: HESPERIA UNIFIED SCHOOL DISTRICT
APN: 3046-011-01
Cleanup Status: NO ACTION REQUIRED AS OF 10/26/2005
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Past Use that Caused Contam: NONE
Potential Media Affected: NO MEDIA AFFECTED
SITE HISTORY:

The site occupies approximately 10 acres of graded land in an area of mixed residential and undeveloped land. The vicinity of the site is undergoing increased residential development and contains both unpaved and developed roadways.

Potential Contamin of Concern:

NO CONTAMINANTS FOUND

Status: NO ACTION REQUIRED
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 56-60%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=70000075

Completed Activities

Title: Phase 1 Environmental Site Assessment Mission Crest Elementary School (URS Corporation 9/28/05)
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=70000075&doc_id=6008178
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 10/26/2005
Comments: Completed No Action.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	2 of 2	ESE	0.63 / 3,301.76	3,596.86 / -4	MISSION CREST ELEMENTARY SCHOOL 13065 MUSCATEL STREET HESPERIA CA 92345	ENVIROSTOR

Estor/EPA ID: 70000075 **Assembly District:** 33
Site Code: 404658 **Senate District:** 21
Nat Priority List: NO **Permit Renewal Lead:**
APN: 3046-011-01 **Public Partici Spclst:**
Census Tract: 6071010017 **Project Manager:**
Site Type: SCHOOL **County:** SAN BERNARDINO
Address Description: 13065 MUSCATEL STREET **Latitude:** 34.4119
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH **Longitude:** -117.3808
Special Program: **Acres:** 10 ACRES
Funding: SCHOOL DISTRICT **Supervisor:** YOLANDA GARZA
Cleanup Status: NO ACTION REQUIRED AS OF 10/26/2005
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District: HESPERIA UNIFIED SCHOOL DISTRICT
Past Use that Caused Contam: NONE
Potential Media Affected: NO MEDIA AFFECTED
Site History:

The site occupies approximately 10 acres of graded land in an area of mixed residential and undeveloped land. The vicinity of the site is undergoing increased residential development and contains both unpaved and developed roadways.

Potential Contamin of Concern:

NO CONTAMINANTS FOUND

Status: NO ACTION REQUIRED

A2 Program Type:	SCHOOL EVALUATION
CalEnviroScreen Score:	56-60%
Summary Link:	http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=70000075

Completed Activities

Title:	Phase 1 Environmental Site Assessment Mission Crest Elementary School (URS Corporation 9/28/05)
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=70000075&doc_id=6008178
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Phase 1
Date Completed:	10/26/2005
Comments:	Completed No Action.

Unplottable Summary

Total: 2 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
HMIRS		I-15 SB	SAN BERNARDINO CA		818151863
RCRA NON GEN	UPS FREIGHT	I-15 NORTH BOUND ***EPA Handler ID:*** CAC003061675	PHELAN CA	92407	882464155

Unplottable Report

Site:

I-15 SB SAN BERNARDINO CA HMIRS

Incident County: SAN BERNARDINO

HMIR Incident Reports

Report No:	I-2003121107	***Fed DOT Agency Nm:***	
Report Type:	A hazardous material incident	***Fed DOT Report No:***	
Date of Incident:	2003-08-06	***Report Submit Src:***	Paper
Time of Incident:	1200	***Inc Multiple Rows:***	No
Haz Class Code:		***Inc Non US State:***	
Hazardous Class:	5.1	***Mode Transport:***	Highway
Commodity Short Nm:	NICKEL NITRATE	***Transport Phase:***	In Transit
Commodity Long Nm:	NICKEL NITRATE	***Incident Occrrnce:***	
Trade Name:		***Mat Ship Approval?:***	No
ID No:	UN2725	***Mat Ship Approv No:***	
Haz Waste Ind:	No	***Undecl Hazmat Ship?:***	No
Haz Waste EPA No:		***Packaging Type:***	Non-Bulk
HMIS Tox Inhalation?:	No	***Packing Group:***	
TIH Hazard Zone:		***Carrier Reporter:***	C.R. ENGLAND, INC.
Qty Released:	1	***CR Street Name:***	4701 W 2100 S
Unit of Measure:	Solid - Pound	***CR City:***	SALT LAKE CITY
What Failed:	103	***CR State:***	UT
What Failed Desc:	Basic Material	***CR Postal Code:***	84120-1223
How Failed Code:	310	***CR Non US State:***	
How Failed Desc:	Ripped or Torn	***CR Fed DOT ID:***	28406
Failure Cause Code:		***CR Hazmat Reg ID:***	
Failure Cause Desc:		***CR Country:***	US
Ident. Markings:		***Shipper Name:***	BORCHERS AMERICAS, INC.
Cont1 Pkging Type:		***Shipper Street Name:***	240 TWO MILE RUN RD
Cont1 Const Mat:		***Shipper City:***	FRANKLIN
Cont1 Head Type:		***Shipper State:***	PA
Cont1 Pkg Capacity:	46	***Shipper Postal:***	16323-6250
C1 Capacity UOM:	SLB	***Shipper Non US St:***	
Cont1 Pkg Amt:	0	***Shipper Country:***	US
C1 Pkg Amt UOM:		***Shipper Waybill:***	2883717
Cont1 Pkg No:	910	***Ship Hazmat Reg ID:***	
C1 Pkg NO Failed:	1	***Origin City:***	FRANKLIN
Cont1 Pkg Mnfctr:	NOT REPORTED BY CARRIER	***Origin State:***	PENNSYLVANIA
Cont1 Pkg Mnfct Dt:	0-00-00 00:00:00	***Origin Postal:***	
Cont1 Pkg Serial NO:		***Origin Non US St:***	
C1 Pkg Last Test Dt:	0-00-00 00:00:00	***Origin Country:***	US
C1 Test Const Mat:		***Destination City:***	AZUSA
C1 Pkg Dsign Pres.:	0	***Destination State:***	CALIFORNIA
C1 Dsign Press UOM:		***Destination Postal:***	
C1 Pkg Shell Thick:	0	***Destination Non US:***	
C1 Shell Thick UOM:		***Destination Country:***	US
C1 Head Thickness:	0	***Cont2 Package Type:***	
C1 Head Thick UOM:		***Cont2 Const Mat:***	
C1 Pkg Srvc Pres.:	0	***Cont2 Pkg Capacity:***	0
C1 Srvc Press UOM:		***Cont2 Capacity UOM:***	
C1 Valve/Device Fail?:	No	***Cont2 Pkg Amount:***	0
C1 Device Type:		***Cont2 Pkg Amt UOM:***	
C1 Device Mnfctr:		***Cont2 Pkg No:***	0
C1 Device Model:		***Cont2 Pkg No Failed:***	0
NRC No:			
RAM Pkg Category:		***Haz NonHosp Public:***	0
RAM Pkg Cert.:	FALSE	***Haz NonHosp Old:***	

RAM Pkg Cert. NBR:		***Tot Haz Non Hosp Inj:***	
RAM Nuclide S:		***Total Hazmat Injuries:***	0
RAM Transport Index:		***Evacuation Indicator:***	No
RAM UOM:		***Public Evacuated:***	0
RAM Activity Rpted:	0	***Employees Evac:***	0
RAM UOM Rpted:		***Total Evacuated:***	0
RAM Activity:	0	***Total Evacuation Hrs:***	0
RAM Activity UOM:		***Major Artery Closed:***	No
RAM Mat Safety:		***Mjr Artery Hrs Closed:***	0
Spillage Result:	Yes	***Material Involved:***	No
Fire Result:	No	***Estimated Speed:***	3
Explosion Result:	No	***Weather Conditions:***	
Water Sewer Result:	No	***Vehicle Overturn:***	No
Gas Dispersion:	No	***Vehicle Left Roadway:***	No
Environment Damage:	No	***Passenger Aircraft:***	No
No Release Result:	No	***Cargo Baggage:***	
Fire EMS Report:	No	***Ship Non Transport:***	No
Fire EMS EMS Report:		***Ship Air First Flight:***	No
Police Report:	No	***Ship Air Subflight:***	No
Police Report No:		***Ship Init Transport:***	No
In House Cleanup:	No	***Ship Phase Transfer:***	No
Other Cleanup:	No	***Contact Name:***	MICHAEL PEDLES
Damage > 500:	No	***Contact Title:***	SAFETY MANAGER
Material Loss:	0	***Contact Business:***	
Carrier Damage:	0	***Contact Street:***	
Property Damage:	0	***Contact City:***	
Response Cost:	0	***Contact State:***	
Remediation Cost:	0	***Contact Postal:***	
Damage Old Form:	0	***Contact Non US St:***	
Total Damages Amt:	0	***Contact Country:***	US
Hazmat Fatality:	No	***Inc. Report Prepared:***	
Haz Fatal Employees:	0	***HMIS Serious Incidnt:***	No
Haz Fatal Respndrs:	0	***HMIS Serious Fatality:***	No
Haz Fatal Gen Public:	0	***HMIS Serious Injury:***	No
Tot Hazmat Fatalities:	0	***HMIS Flight Plan:***	No
Non Hazmat Fatality:	No	***HMIS Serious Evacs:***	No
Non Hazmat Fatals:	0	***HMIS Major Artery:***	No
Hazmat Injury:	No	***HMIS Bulk Release:***	No
Haz Hospital Empl:	0	***HMIS Marine Pollutnt:***	No
Haz Hospital Resp:	0	***HMIS Radioactive:***	No
Haz Hosp Gen Public:	0	***HMIS Gen Pkg Type:***	BAG
Haz Hosp Old Form:	0	***HMIS Container Code:***	BAG
Total Haz Hosp Inj:	0	***HMIS Container Desc:***	Bag, no description given
Haz Non Hosp Empl:	0	***HMIS Bulk Incident:***	No
Haz Non Hosp Resp:	0	***Undeclared Shipment:***	No

Description of Events: CR ENGLAND VEHICLE PULLED INTO POE AND HAD A POWDER ON DOT BUMPER. FIRE DEPARTMENT CLEANED UP POWDER AND LET CR ENGLAND VEHICLE LEAVE.

Recommend Actions Taken:

Site: ***UPS FREIGHT***
I-15 NORTH BOUND PHELAN CA 92407

RCRA NON GEN

EPA Handler ID:	CAC003061675
Gen Status Universe:	No Report
Contact Name:	UPS FREIGHT
Contact Address:	1000 SEMMES AVE , , RICHMOND , VA, 23224-2265 ,
Contact Phone No and Ext:	804-231-8000
Contact Email:	CANGUIANO@OCEAN-BLUE.COM
Contact Country:	
County Name:	SAN BERNARDINO
EPA Region:	09
Land Type:	
Receive Date:	20200330

Violation/Evaluation Summary

Note: NO RECORDS: As of May 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20200330
Handler Name:	UPS FREIGHT
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1000 SEMMES AVE
Name:	UPS FREIGHT	***Street 2:***	
Date Became Current:		***City:***	RICHMOND
Date Ended Current:		***State:***	VA
Phone:	804-231-8000	***Country:***	
Source Type:	Implementer	***Zip Code:***	23224-2265

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1000 SEMMES AVE
Name:	UPS FREIGHT	***Street 2:***	
Date Became Current:		***City:***	RICHMOND
Date Ended Current:		***State:***	VA
Phone:	804-231-8000	***Country:***	
Source Type:	Implementer	***Zip Code:***	23224-2265

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Mar 26, 2020

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Jun 26, 2020

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Jun 26, 2020

Deleted NPL: DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Jun 26, 2020

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: May 22, 2020

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: May 22, 2020

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jul 27, 2020

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Jul 27, 2020

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Jul 27, 2020

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jul 27, 2020

RCRA Conditionally Exempt and Very Small Quantity Generators List: RCRA CESQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt and Very Small Quantity Generators (VSQG and CESQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG and CESQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Jul 27, 2020

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jul 27, 2020

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Aug 26, 2020

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Aug 26, 2020

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 25, 2019

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Sep 3, 2019

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Jul 10, 2020

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Apr 28, 2020

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: May 22, 2020

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Jun 26, 2020

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Oct 5, 2020

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Oct 5, 2020

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Oct 5, 2020

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: May 1, 2020

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Oct 5, 2020

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Land Disposal Sites: LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Jul 15, 2020

Leaking Underground Fuel Tank Reports: LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Jul 15, 2020

Delisted Leaking Storage Tanks: DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Jul 15, 2020

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

Permitted Underground Storage Tank (UST) in GeoTracker: UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Jul 12, 2020

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: Jul 7, 2020

Historical Hazardous Substance Storage Information Database: HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

Oil and Gas Facility Tanks: TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Jul 21, 2020

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Sep 15, 2020

California Environmental Reporting System (CERS) Tanks: CERS TANK

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Aug 7, 2020

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Oct 5, 2020

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (DTSC) Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Government Publication Date: Apr 8, 2020

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Jul 15, 2020

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Oct 5, 2020

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Jul 15, 2020

Delisted County Records: DELISTED COUNTY

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Oct 5, 2020

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Aug 7, 2020

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in th 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST

LUSTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Apr 8, 2020

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

USTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Apr 8, 2020

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

County

San Bernardino County - CUPA List: SANBERN CUPA

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Bernardino County. This list is made available by San Bernardino County Fire Department which is the CUPA for all areas of the County except the city of Victorville.

Government Publication Date: Apr 29, 2020

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites: PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Jul 7, 2020

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Jun 15, 2020

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Jan 8, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Mar 19, 2020

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Jul 29, 2020

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Nov 18, 2016

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jan 20, 2020

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Jan 20, 2020

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Jan 28, 2020

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Aug 5, 2020

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: May 1, 2020

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Sep 24, 2020

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 31, 2020

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Oct 9, 2019

State

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Aug 12, 2020

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Aug 12, 2020

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Feb 28, 2018

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

List of sites from the State Water Resources Control Board (SWRCB)'s GeoTracker at which one or more of the potential contaminants of concern are in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Jul 15, 2020

PFOA/PFOS Groundwater: PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

Government Publication Date: Jul 28, 2020

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: Aug 19, 2020

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

Government Publication Date: Jul 20, 2020

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Oct 5, 2020

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jul 22, 2020

Hazardous Waste Manifest Data: HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Oct 24, 2016

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Feb 16, 2012

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Aug 7, 2020

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Jul 15, 2020

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Jul 15, 2020

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2018

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Jun 30, 2018

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental databases were selected to be included in the search.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

7.3 Interview Record Attachments – Records of Communication

Record of Communication

Property Name	17.87 Acre Tract (Undeveloped)
Street Address	Tracts 3 & 4 Poplar & Mesa Linda Streets Hesperia, San Bernardino County, CA 92344

Assessor's Office	
Account #	See attached property information
Legal Description	
Current Owners	
Comments:	

Zoning Department	
Contact Method:	☐ Telephone ☒ Online Open Records Request/Email ☒ Online Research - Website: https://www.cityofhesperia.us/
Contact Name/ Email Address:	ORR submitted, response pending…
Phone:	ORR submitted, response pending…
Zoning Designation	Regional Commercial (RC)
Outstanding Zoning Violations	☐ Yes ☐ No ☒ Response Pending ☐ Not Applicable
Acceptable Use	☐ Yes ☐ No ☒ Response Pending ☐ Not Applicable
What is the required Parking Ratio	N/A
Comments:	ORR submitted, response pending…

Building Department	
Contact Method:	☐ Telephone ☒ Online Open Records Request/Email ☐ Online Research
Contact Name/ Email Address:	ORR submitted, response pending…
Phone:	ORR submitted, response pending…
Construction Year:	ORR submitted, response pending…
Building(s) have a valid Certificate of Occupancy?	☐ Yes ☐ No ☒ Response Pending ☐ Not Applicable
Open Permits or Outstanding Violations	☐ Yes ☐ No ☒ Response Pending ☐ Not Applicable
Demolition Permits:	☐ Yes ☐ No ☒ Response Pending ☐ Not Applicable
Permits for AST/UST:	☐ Yes ☐ No ☒ Response Pending ☐ Not Applicable
Permits for Septic Systems:	☐ Yes ☐ No ☒ Response Pending ☐ Not Applicable
Comments:	ORR submitted, response pending…

Fire Dept.	
Contact Method:	☐ Telephone ☒ Online Open Records Request/Email ☐ Online Research
Contact Name/ Email Address:	ORR submitted, response pending…
Phone:	ORR submitted, response pending…
Records of ASTs/USTs	☐ Yes ☐ No ☒ Response Pending ☐ Not Applicable
Records of Hazardous Materials	☐ Yes ☐ No ☒ Response Pending ☐ Not Applicable
Records of Spills	☐ Yes ☐ No ☒ Response Pending ☐ Not Applicable
Department Inspector Name:	N/A
Date of Last Inspection	N/A
Outstanding Code Violations	☐ Yes ☐ No ☐ Response Pending ☒ Not Applicable
Comments:	No responsive records reported.

Code Enforcement Dept.	
Contact Method:	☐ Telephone ☐ Online Open Records Request/Email ☐ Online Research
Contact Name/ Email Address:	N/A
Phone:	N/A
Department Inspector Name:	N/A
Date of Last Inspection:	N/A
Date of Next Schedule Inspection:	N/A
Outstanding Violations	☐ Yes ☒ No ☐ Response Pending ☒ Not Applicable
Comments:	N/A

Envt'l Services Dept.	
Contact Method:	☐ Telephone ☒ Online Open Records Request/Email ☐ Online Research
Contact Name/ Email Address:	ORR submitted, response pending…
Phone:	ORR submitted, response pending…
Records of Water Wells	☐ Yes ☐ No ☒ Response Pending ☐ Not Applicable
Records of AST/UST	☐ Yes ☐ No ☒ Response Pending ☐ Not Applicable
Record of Septic Systems	☐ Yes ☐ No ☒ Response Pending ☐ Not Applicable
Records of Spills	☐ Yes ☐ No ☒ Response Pending ☐ Not Applicable
Comments:	ORR submitted, response pending…

Water Dept.	
Contact Method:	☐ Telephone ☐ Online Open Records Request/Email ☒ Online Research - Website: https://www.cityofhesperia.us/
Contact Name/ Email Address:	N/A
Phone:	N/A
Water Supply Source	N/A
Within EPA guidelines?	N/A
Comments:	None

7.4 Site Reconnaissance & Investigation

Category	Attached	Not Applicable
7.4.1 Reporting/Notification Forms		**X**
7.4.2 Permits		**X**
7.4.3 Asbestos Survey Results		**X**
7.4.4 Lead-Based Paint Survey Results		**X**
7.4.5 Radon Survey Results		**X**
7.4.6 Lead in Drinking Water Survey Results		**X**
7.4.7 UST Test		**X**
7.4.8 Correction Action Plans		**X**
7.4.9 Reference Documents		**X**
7.4.10 Other Information (prior ESAs)		**X**

7.5 Certifications

Category	Attached	Not Applicable
7.5.1 Certification/Qualifications	**X**	
7.5.2 Sampling/Testing Certifications		**X**

Daniel Weis

Education	B.A. University of Delaware, 1995 M.S. Public Health, San Diego State University, 1999
Registration	California Registered Environmental Health Specialist
Experience	23 Years
Areas of Specialization	Environmental Due Diligence Subsurface Assessments Vapor Intrusion and Risk Assessment Site Development Mitigation and Remediation Indoor Air Quality Project Management Expert Witness Testimony

Tonya L. Golden

Education	B.S. Environmental Science, Creighton University, Omaha, Nebraska Specialization Environmental Pollution, 1995
Registrations	AHERA Accredited Asbestos Inspector, 1996-Current AHERA Accredited Asbestos Management Planner, 2003-Current Laws, Rules & Regulations Governing Asbestos Projects, 1997-Current First Aid/CPR, American Red Cross, 1996
Experience	18 Years
Areas of Specialization	Phase I & II Environmental Site Assessments Asbestos/Lead/Radon Surveys Physical Condition Assessments State/Federal Compliance Audits Indoor Air Quality Investigations Project Coordination & Management Legal, Financial & Tax Business Aspects
Regulatory Experience	Clean Air Act, Clean Water Act, Phase I & II ESAs, PST, VCP, QA/QC Plans

Richard A. Mosman

Education	B.S. Agronomy, Texas A&M University, 1978 Post Graduate Studies – Environmental Policy, University of North Texas
Registrations	Loss Prevention Systems (LPS), Current RCRA Hazardous Waste and Non-Hazardous Waste, Current 40 hour Hazardous Waste Site Training (OSHA 29 CFR 1910.120), Current American Red Cross Adult CPR, AED and Basic First Aid, Current 38-Hour USACE Wetland Delineation and Management, 2001
Experience	22 Years
Areas of Specialization	Phase I Environmental Site Assessments (ESAs) Environmental Subsurface Assessments and Remediation Wetlands Determinations Management and Peer Review of Due Diligence Projects Spill Prevention, Control and Countermeasures (SPCC) and Stormwater Pollution Prevention Plans (SWP3) Vapor Intrusion Assessments State Petroleum Storage Tank, Voluntary Cleanup and Innocent Owner Programs Management of Asbestos and Lead Paint Surveys and Abatement Projects

Appendix G-1
Preliminary Drainage Report

September, 2022
2021-352

Poplar 18 Industrial Park
City of Hesperia, CA

Preliminary Drainage Report

Prepared For:

Covington Development Group, Inc

3 Corporate Plaza, Suite 230
Newport Beach, CA 92660

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WestLAND Group, Inc.

WestLAND Group, Inc.

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1. Purpose and Scope

The I-15 Industrial Park Building 3 is located within the County of San Bernardino in the City of Hesperia and is intended to be developed into an industrial/commercial complex. The proposed development measures approximately 17.86 acres and is bounded by Poplar Street to the South and Mesa Linda Street to the East. The project intends to only develop Parcels 3 and 4 of Parcel Map 172/5-6, which measures to be approximately 17.86 acres, and Parcels 1 and 2 will remain undeveloped.

The purpose of this study is to evaluate the post-development hydrological conditions of the site including the storm drain system and Best Management Practices (BMPs) to ensure that they provide flood protection from the 100-year storm event without harming downstream conditions offsite.

2. Project Description

2.1 Project Description

The project site is located on the northwest corner of the intersection between Mesa Linda Street and Poplar Street and measures to be approximately 17.86 acres.

The project site is currently vacant, undeveloped land with poor coverage. The soils have a hydrologic soil group classification of “A”, and the site topography shows that stormwater runoff sheet flows to the northeast where it will naturally evaporate and infiltrate into the soil. See the exhibit for the Pre-Development conditions in Appendix A for more information.

The proposed site will be an industrial development with one industrial building, parking areas, loading areas, drive aisles, and landscape areas. Stormwater runoff will be collected by nearby catch basins and conveyed to the proposed above ground basins via storm drain. Prior to entering the storm drain system, runoff will be pretreated via filter inserts placed in each catch basin. Further downstream within the storm drain system, the runoff will be further pretreated via hydrodynamic separator CDS unit prior to entering the underground CMP system. Runoff in Drainage Area A will be routed to the above ground basin to the northwest while runoff from Drainage Areas B and C will be routed to the above ground basin to the northeast. The basins are sized and designed to prevent flooding from a 100-year storm while also accommodating the required retention volume for water quality purposes. Both basins route water into the underground CMP system, which is designed to capture the entire volume generated from a 100-year storm even meaning that no runoff will be discharged off site. For more information, please refer to the exhibit for the post-development conditions in Appendix A.

2.2 Soil Conditions

Soils are found to be mostly loose to medium dense sandy silt and silty fines to coarse sand. Groundwater is considered to be at a depth in excess of the maximum explored depth of 12± feet below existing grades. While infiltration rates on-site are low (0.7-0.9 in/hr) per geotechnical infiltration report, infiltration is still feasible according to San Bernardino County technical guidance document (minimum of 0.3 in/hr). Applying a safety factor of 2 results in a design infiltration rate of 0.35 in/hr. The stormwater retention system is designed to drawdown stormwater runoff of up to a 100-year storm within 96 hours.

3. Methodology

3.1 Background

The methodology described in the San Bernardino County Hydrology Manual is used to compute hydrologic data from the project site. The main methods used for this project were the Rational Method, Unit Hydrograph Method, and Basin Analysis, and the Civil Design software was used to compute the data. Solving for the Rational Method returns the peak flowrate of the site along with the time of concentration. The time of concentration is then used to solve for the Unit Hydrograph of the site which returns the total volume generated from a storm event. The inflow hydrograph returned from the Unit Hydrograph Method is then used along with the storage-outflow-elevation relationship of the basin to perform basin routing analysis which returns the storage, outflow, and elevation of the basin at each timestep within the storm event.

In addition, since the site does not meet any of the hydromodification exemption criteria provided in the Mojave Watershed Technical Guidance Documentation, the project must demonstrate that the post-development runoff volume, time of concentration, and peak flow velocity for the 10-year storm does not exceed that of the pre-development condition by more than five percent to comply with hydromodification requirements. This report will refer to the volume retention and allowable runoff required for compliance as the hydromodification volume retention requirement and the hydromodification allowable peak flow respectively.

3.2 Design Methodology

To assist in determining the adequate size of the onsite storage BMPs, the required retention volume was computed. This is taken to be the greater of the Design Capture Volume (DCV), the hydromodification volume retention requirement, and the difference in stormwater runoff volume for the 100-year storm between the post-development and pre-development conditions. Refer to the WQMP for more information regarding the DCV and the hydromodification requirements. Once the required retention volume is retained onsite, the project site is allowed to release stormwater runoff offsite. However, this project will be retaining and infiltrating the entire volume from a 100-year storm meaning that no runoff will be released.

For this preliminary drainage study, the storm drain pipes and inlets have not been analyzed, but they will be sized to be able to accommodate the design storm of a 100-year storm event during final engineering.

3.3 Calculations Performed

Below is a summary of the calculations that were performed for hydrological analysis. Refer to Appendix H for pertinent information used in the calculations such as the precipitation data and the hydrologic soil group.

1. Rational Method
    a. 10-year storm event for pre-development and post-development conditions
        i. Used to determine hydromodification requirements
    b. 25-year storm event for pre-development conditions
        i. Used to determine allowable flow rate for 100-year storm
    c. 100-year storm event for pre-development and post-development conditions
        i. Used to determine volume differences

2. Unit Hydrograph
    a. 10-year storm event for pre-development and post-development conditions
        i. Used to determine hydromodification requirements
        ii. Used to generate inflow hydrograph for post-development conditions

    b. 100-year storm event for pre-development and post-development conditions
        i. Used to determine volume differences
        ii. Used to generate inflow hydrograph for post-development conditions

3. Basin Analysis
    a. 10-year storm event for post-development conditions
        i. Used to determine peak flows out of the basin for a 10-year storm

    b. 100-year storm event for post-development conditions
        i. Used to determine peak flows out of the basin for a 100-year storm
        ii. Used to determine max water surface elevation for a 100-year storm

4. Storm Drain Pipe Sizing
    a. To be performed during final engineering

5. Inlet Sizing
    a. To be performed during final engineering

4. Results and Analysis

Table 4.1: Required Onsite Retention Volume

ONSITE RETENTION VOLUME REQUIREMENT			
Area ID	DCV (CF)	Hydromodification Retention Volume (CF)	ΔV_{100} (CF)
Total	44,076	98,341	39,065

Tables 4.2a and 4.2b show a summary of the flow rate and volumes calculated using the Rational Method and the Unit Hydrograph for the pre-development and post-development conditions respectively. In addition, Table 4.2c shows a summary of the HCOC calculations.

Table 4.2a: Pre-Development Peak Flows and Volumes (Refer to Pre-Development Exhibit)

PRE-DEVELOPMENT CONDITIONS						
Area ID	$A_{subarea}$, ac	Q_{10}, cfs	V_{10}, cf	Q_{25}, cfs	Q_{100}, cfs	V_{100}, cf
A	9.61	9.60	40,498	13.61	22.51	163,224
B	8.25	10.28	34,878	14.28	22.79	140,350
Total	**17.86**	**19.88**	**75,376**	**27.89**	**45.30**	**303,574**

Table 4.2b: Post-Development Peak Flows and Volumes (Refer to Post-Development Exhibit)

POST-DEVELOPMENT CONDITIONS (WITHOUT BMPS)					
Area ID	$A_{subarea}$, ac	Q_{10}, cfs	V_{10}, cf	Q_{100}, cfs	V_{100}, cf
A	2.40	8.95	24,616	15.55	46,143
B	11.64	31.95	119,280	55.90	223,550
C	3.82	5.86	38,964	10.68	72,946
Total	**17.86**	**46.76**	**182,860**	**82.13**	**342,639**

Table 4.2c: HCOC Calculations

HCOC CALCULATIONS SUMMARY			
	10-Year Time of Concentration (Min)	10-Year Peak Runoff (Cfs)	10-Year, 24-Hour Runoff Volume (CF)
Pre-Development Condition	16.22	19.88	75,376
Post-Development Condition	5.42	46.76	182,860
HCOC Requirement *0.95*(Post-Development) – Pre-Development*	9.99 *(Additional time to provide)*	24.54 *(Amount of runoff to reduce)*	98,341 *(Amount of runoff to retain)*
Summary (10-Year Storm)	**15.41** *(Minimum Tc for Post-Conditions)*	**22.22** *(Maximum outflow for Post-Conditions)*	**98,341** *(Minimum amount of runoff to retain)*

Basin #1 is approximately 3.5’ deep with a storage volume of 25,167 CF and Basin #2 is approximately 4’ deep with a storage volume of 24,993 CF, totaling 50,160 CF of above ground storage. The above ground basins are designed with one foot of freeboard.
Retention systems should be designed to drawdown stormwater within an appropriate period of time. In this case, drawdown time was selected to be 48 hours, which also requires a large amount of infiltrating surface area. In order to maximize the amount of stormwater infiltrating within the allotted time, one underground 60” CMP chamber is required. Calculations for drawdown time were based on San Bernardino County technical guidance document Table 5-4 Estimation Methods for On-Site Retention BMPs. See Appendix F for more detailed drawdown time and volume calculations.

Table 4.3a: 96 Hour Drawdown Volume Analysis Summary

48 HOUR DRAWDOWN ANALYSIS SUMMARY					
CMP/Basin ID	100-Year Volume (CF)	CMP/Basin Surface Area (SF)	Design Infiltration Rate	Drawdown Volume in 48 Hours (CF)	Total Volume Provided (CF)
1		84,680	8.77 in/hr	2,969,445	
Basin 1		7,045	0.35 in/hr	9,863	
Basin 2		6,961	0.45 in/hr	9,746	
TOTAL	342,639	123,257			2,989,054

Table 4.3b: Basin Analysis

BASIN ANALYSIS				
10-Year Volume (CF)	100-Year Volume (CF)	Total Retention Provided (CF)	100-Year Peak Runoff (Cfs)	Max Water Surface Elevation (Ft)
182,860	342,639	398,681	0.00	1’ Below the Top of the Above Ground Basin

The calculations show that the proposed underground CMP is sized large enough to accommodate the required retention volume for water quality purposes while also mitigating enough flows to prevent adverse impacts downstream of the project site. Since the basins are designed to retain and infiltrate the entire volume from the 100-year storm, there will be no runoff leaving the site for up to a 100-year storm. Refer to Appendix B-F for calculations regarding the Rational Method, Unit Hydrograph, and Basin Analysis.

The table below summarizes the calculations pertinent to the design.

PROJECT DESIGN CRITERIA	
Hydrology Results & Analysis Summary Table:	ΔV_{100} = **39,065 ft^3**= V_{POST} - V_{PRE} = 342,639 – 303,574 DCV = **44,076 ft^3** ΔV_{10} (Hydromodification) = **98,341 ft^3**= 0.95*V_{POST} - V_{PRE} = 0.95*182,860 – 75,376 ΔV_{10} > DCV > ΔV_{100}, ΔV_{10} = site design storage requirement V_{100} = **342,639 ft^3** Total $V_{PROVIDED}$ = **398,681 ft^3** Peak Q_{100} (Post w/ BMPs) = **0.00 cfs (Entire Site)** $V_{Provided}$ > V_{100} = Full Retention Onsite

5. Conclusion

The results show that the proposed development will provide enough on-site retention volume and flow attenuation to prevent adverse impacts downstream of the project site. As shown in the post-development exhibit, the proposed BMPs for stormwater management are two above ground retention basins and one underground CMP system consisting of 6 separate CMPs, connected with equalizer storm drain pipes. The proposed basins will retain and infiltrate the entire volume generated from a 100-year storm event, and no stormwater runoff will be released offsite. The results demonstrate that the proposed underground CMP system will comply with the flood protection and WQMP requirements of the City of Hesperia and County of San Bernardino.

Appendix A – Hydrology Exhibits

- Pre-Development Exhibit
- Post-Development Exhibit

CITY OF HESPERIA
HYDROLOGY EXHIBIT
FOR
POPLAR 18 INDUSTRIAL PARK



VICINITY MAP
NOT TO SCALE

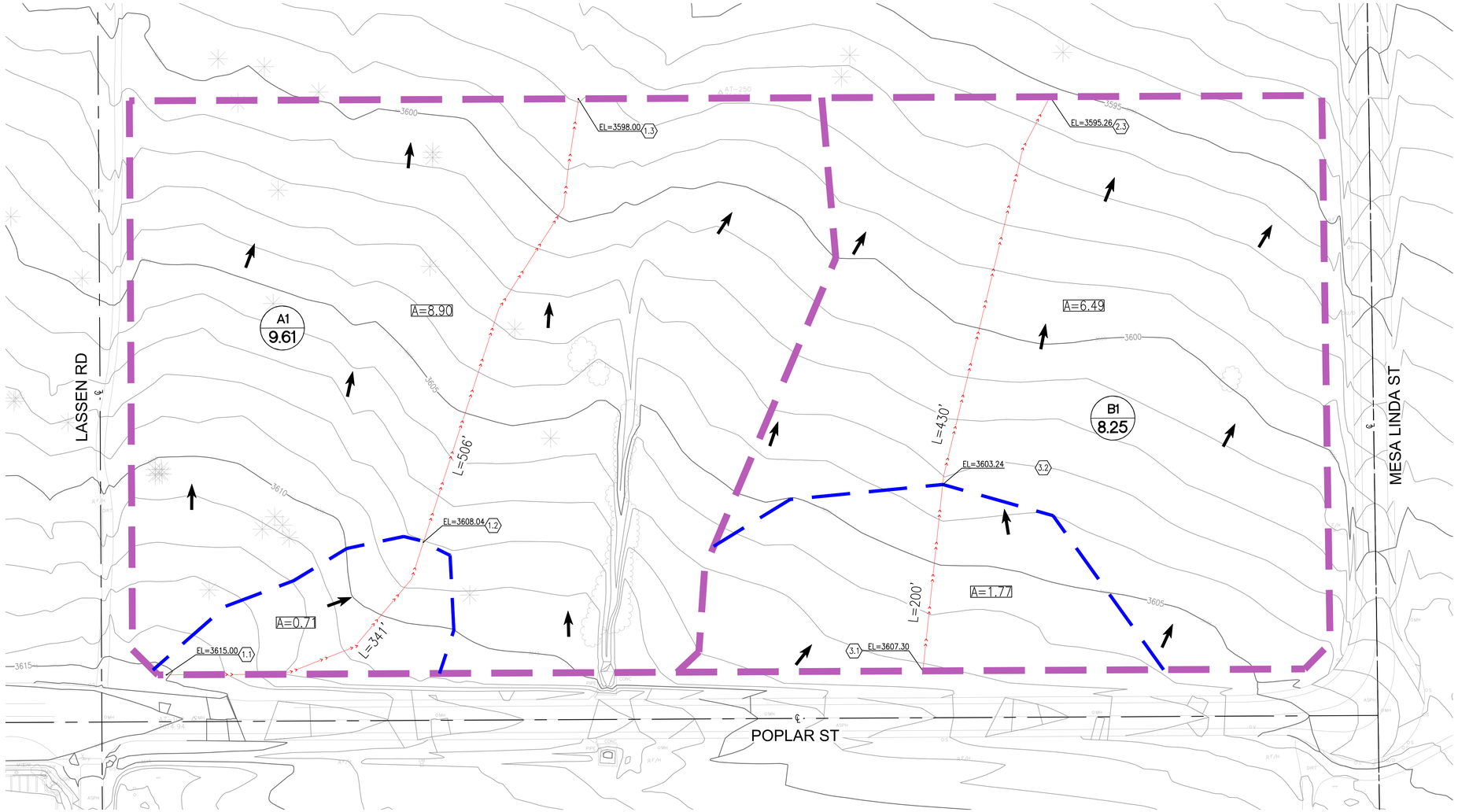
HYDROLOGY INFORMATION

SITE AREA:	17.86 ACRE	
SOIL GROUP:	A	(NRCS WEB SOIL SURVEY)
IMPERVIOUS:	0%	
ISOHYETALS:	1.31"	(100-YEAR 1 HOUR)
	0.785"	(10-YEAR 1 HOUR)
CN NUMBER:	67	(SOIL GROUP A)
FREQUENCY:	100 YEAR	(FOR STORM DRAIN DESIGN)
	10 YEAR	(FOR STORMWATER QUALITY)

METHOD: SAN BERNARDINO COUNTY HYDROLOGY MANUAL

LEGEND:

- SUB DRAINAGE AREA BOUNDARY
- DRAINAGE AREA BOUNDARY
- FLOW PATH
- PROPOSED FLOW DIRECTION ARROW
- 1.1 FLOW NODE
- X / X.XX DRAINAGE AREA DESIGNATION / AREA (AC)



HYDROLOGY SUMMARY					
DRAINAGE AREA No.	TRIBUTARY AREA (AC)	IMPERVIOUS RATIO	10-YEAR VOLUME (CF)	100-YEAR VOLUME (CF)	25-YEAR PEAK FLOW (CFS)
A	9.61	0.00	40,498	163,224	13.61
B	8.25	0.00	34,878	140,350	14.28
TOTAL	17.86	0.00	75,376	303,574	27.89

100' 0' 50' 100' 200'
SCALE: 1" = 100'

PREPARED BY:
WestLAND Group, Inc. Land Surveyors • Civil Engineers • GIS
4150 CONCOURS, ONTARIO, CA 91764
PHONE: (909) 989-9789 FAX: (909) 989-9660
JOB NO: 2021-352

POPLAR 18 INDUSTRIAL PARK
HYDROLOGY EXHIBIT
PRE-DEVELOPMENT CONDITIONS
CITY OF HESPERIA

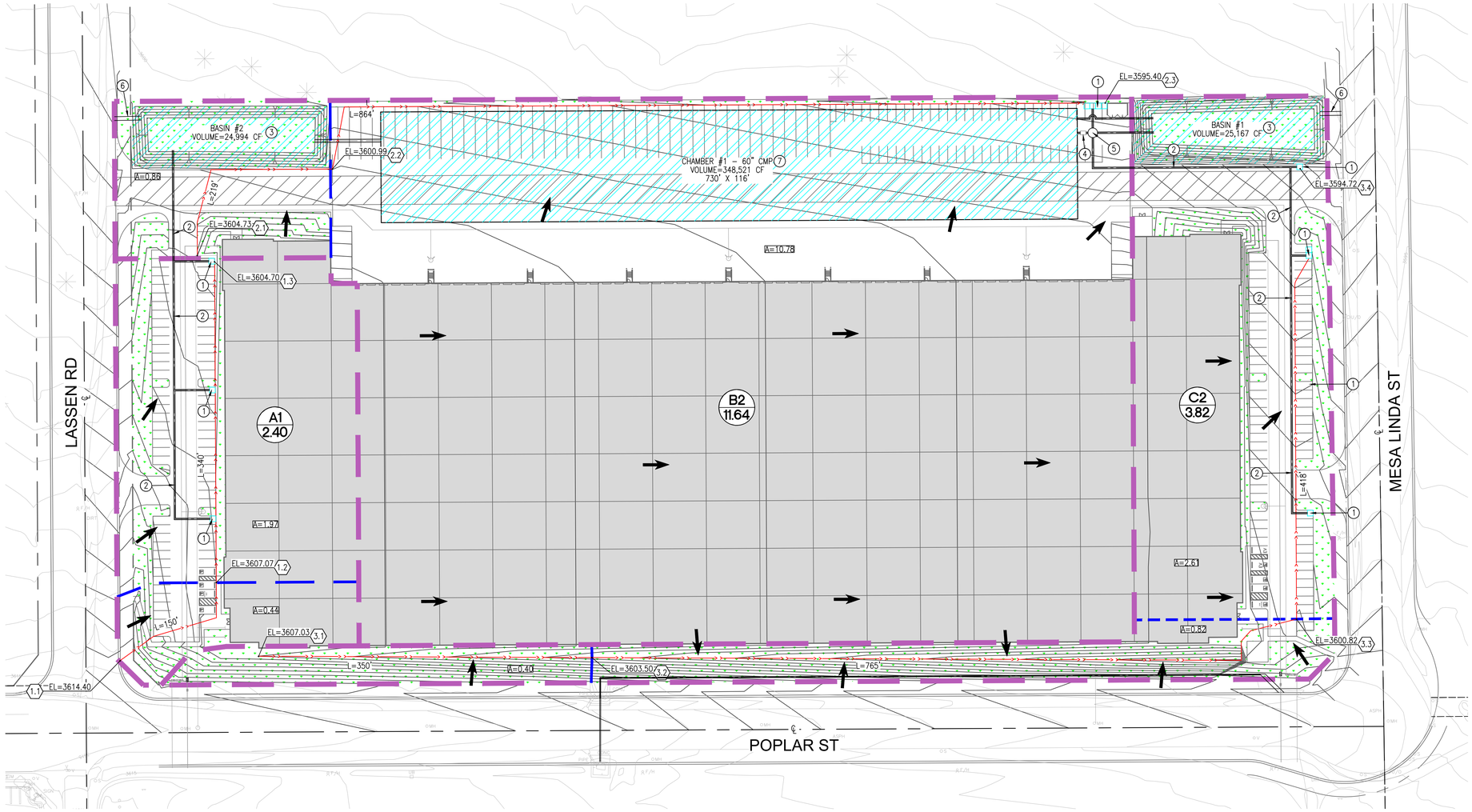
DATE: MAY 2022
SHEET
1
OF 1

(MAY 2022) 2021-352 - POPLAR INDUSTRIAL AT POPLAR ST. - CONCEPTUAL GRADING - WWW. RLA\PROJECTS\2021-352\PRE HYDROLOGY\EXHIBIT\2021-352 PRE HYDROLOGY.DWG 05-20-22 12:06 PM
Plotted by: JoshPark
05/20/2022

CITY OF HESPERIA
HYDROLOGY EXHIBIT
FOR
POPLAR 18 INDUSTRIAL PARK



VICINITY MAP
NOT TO SCALE



HYDROLOGY INFORMATION

SITE AREA:	17.86 ACRE	
SOIL GROUP:	A	(NRCS WEB SOIL SURVEY)
IMPERVIOUS:	81%	
ISOHYETALS:	1.31"	(100-YEAR 1 HOUR)
	0.785"	(10-YEAR 1 HOUR)
CN NUMBER:	67	(SOIL GROUP A)
FREQUENCY:	100 YEAR	(FOR STORM DRAIN DESIGN)
	10 YEAR	(FOR STORMWATER QUALITY)

METHOD: SAN BERNARDINO COUNTY HYDROLOGY MANUAL

LEGEND:

- INFILTRATION BASIN
- SUB DRAINAGE AREA BOUNDARY
- DRAINAGE AREA BOUNDARY
- FLOW PATH
- STORM DRAIN
- PROPOSED FLOW DIRECTION ARROW
- 1.1 FLOW NODE
- X / X.XX DRAINAGE AREA DESIGNATION / AREA (AC)

DRAINAGE NOTES:

1. PROPOSED CATCH BASIN WITH FILTER INSERT
2. PROPOSED STORM DRAIN PIPE PRIVATE MAINTAINED
3. PROPOSED BMP – ABOVE GROUND DETENTION BASIN
4. PROPOSED BMP – HYDRODYNAMIC SEPARATOR
5. DIVERSION STRUCTURE
6. EMERGENCY SPILLWAY
7. UNDERGROUND CMP STRUCTURE

HYDROLOGY SUMMARY

DRAINAGE AREA No.	TRIBUTARY AREA (AC)	IMPERVIOUS RATIO	RUNOFF COEFFICIENT	DCV (CF)	HYDROMODIFICATION VOLUME TO RETAIN (CF)	100-YEAR VOLUME (CF)	TOTAL RETENTION VOLUME (CF)
A	2.40	0.81	0.61	–	98,341	342,639	24,994 (BASIN 2)
B	11.64	0.81	0.61	–			25,167 (BASIN 1) 348,521 (UNDERGROUND CMP)
C	3.82	0.81	0.61	–			
TOTAL	17.86	0.81	0.61	44,076			398,681

60' 0' 30' 60' 120'
SCALE: 1" = 60'

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JOB NO: 2021-352

POPLAR 18 INDUSTRIAL PARK
HYDROLOGY EXHIBIT
POST-DEVELOPMENT CONDITIONS
CITY OF HESPERIA

DATE: SEP 2022
SHEET 1 OF 1

09/27/2022

Appendix B – Rational Method (Pre-Development)

- 10-Year Storm Event
- 25-Year Storm Event
- 100-Year Storm Event

Appendix B – Rational Method (Pre-Development)

- 10-Year Storm Event

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2005 Version 7.1
Rational Hydrology Study Date: 10/01/21

I15 INDUSTRIAL PARK BLDG 3
PREDEVELOPED 10 YR
MGUBBAREINER 2021-09-27
-

Program License Serial Number 6277

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 10.0
Computed rainfall intensity:
Storm year = 10.00 1 hour rainfall = 0.785 (In.)
Slope used for rainfall intensity curve b = 0.7000
Soil antecedent moisture condition (AMC) = 2

++
Process from Point/Station 1.100 to Point/Station 1.200
**** INITIAL AREA EVALUATION ****

Soil classification AP and SCS values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2) = 67.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.578(In/Hr)
Initial subarea data:
Initial area flow distance = 341.380(Ft.)
Top (of initial area) elevation = 3615.000(Ft.)
Bottom (of initial area) elevation = 3608.040(Ft.)
Difference in elevation = 6.960(Ft.)
Slope = 0.02039 s(%)= 2.04
TC = k(0.779)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 17.499 min.
Rainfall intensity = 1.860(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.620
Subarea runoff = 0.819(CFS)
Total initial stream area = 0.710(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.578(In/Hr)

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.200 to Point/Station        1.300
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
______________________________________________________________________
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.573(Ft.), Average velocity =   3.241(Ft/s)
!!Warning: Water is above left or right bank elevations
        ******* Irregular Channel Data ***********
----------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              0.50
        2              2.50              0.00
        3              5.00              0.50
Manning's 'N' friction factor =   0.030
----------------------------------------------------------------
Sub-Channel flow  =      5.235(CFS)
  '     '        flow top width =      5.000(Ft.)
  '     '    velocity=    3.241(Ft/s)
  '     '        area =      1.615(Sq.Ft)
  '     '        Froude number =     1.005

Upstream point elevation =  3608.040(Ft.)
Downstream point elevation =  3598.000(Ft.)
Flow length =   506.390(Ft.)
Travel time  =    2.60 min.
Time of concentration =   20.10 min.
Depth of flow =   0.573(Ft.)
Average velocity =   3.241(Ft/s)
Total irregular channel flow =     5.235(CFS)
Irregular channel normal depth above invert elev. =   0.573(Ft.)
Average velocity of channel(s) =   3.241(Ft/s)
!!Warning: Water is above left or right bank elevations
 Adding area flow to channel
Soil classification AP and SCS  values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2)  = 67.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.578(In/Hr)
Rainfall intensity =      1.688(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.592
Subarea runoff =      8.776(CFS) for    8.900(Ac.)
Total runoff =      9.595(CFS)
Effective area this stream =        9.61(Ac.)
Total Study Area (Main Stream No. 1) =        9.61(Ac.)
Area averaged Fm value =    0.578(In/Hr)
Depth of flow =   0.715(Ft.), Average velocity =   4.130(Ft/s)
!!Warning: Water is above left or right bank elevations
```

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.100 to Point/Station        2.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Soil classification AP and SCS  values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2)  = 67.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.578(In/Hr)
Initial subarea data:
Initial area flow distance =   199.840(Ft.)
Top (of initial area) elevation =  3607.300(Ft.)
Bottom (of initial area) elevation =  3603.240(Ft.)
Difference in elevation =     4.060(Ft.)
Slope =    0.02032  s(%)=       2.03
TC = k(0.779)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   14.135 min.
Rainfall intensity =      2.160(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.659
Subarea runoff =      2.519(CFS)
Total initial stream area =        1.770(Ac.)
Pervious area fraction = 1.000
Initial area Fm value =    0.578(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.200 to Point/Station        2.300
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
________________________________________________________________________
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.623(Ft.), Average velocity =   3.448(Ft/s)
!!Warning: Water is above left or right bank elevations
        ******* Irregular Channel Data ***********
------------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              0.50
        2              2.50              0.00
        3              5.00              0.50
Manning's 'N' friction factor =   0.030
------------------------------------------------------------------
Sub-Channel flow  =      6.428(CFS)
  '     '        flow top width =      5.000(Ft.)
  '     '    velocity=    3.448(Ft/s)
  '     '        area =      1.864(Sq.Ft)
  '     '        Froude number =     0.995

Upstream point elevation =  3603.240(Ft.)
Downstream point elevation =  3595.260(Ft.)
```

```
Flow length =   430.480(Ft.)
Travel time  =    2.08 min.
Time of concentration =   16.22 min.
Depth of flow =   0.623(Ft.)
Average velocity =   3.448(Ft/s)
Total irregular channel flow =     6.428(CFS)
Irregular channel normal depth above invert elev. =   0.623(Ft.)
Average velocity of channel(s) =   3.448(Ft/s)
!!Warning: Water is above left or right bank elevations
 Adding area flow to channel
Soil classification AP and SCS  values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2)  = 67.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.578(In/Hr)
Rainfall intensity =      1.962(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.635
Subarea runoff =      7.765(CFS) for    6.490(Ac.)
Total runoff =     10.284(CFS)
Effective area this stream =        8.26(Ac.)
Total Study Area (Main Stream No. 1) =       17.87(Ac.)
Area averaged Fm value =    0.578(In/Hr)
Depth of flow =   0.744(Ft.), Average velocity =   4.161(Ft/s)
!!Warning: Water is above left or right bank elevations
End of computations, Total Study Area =           17.87 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number =  67.0
```

Appendix B – Rational Method (Pre-Development)

- 25-Year Storm Event

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2005 Version 7.1
Rational Hydrology Study Date: 10/01/21

I15 INDUSTRIAL PARK BLDG 3
PREDEVELOPED 25 YR
MGUBBAREINER 2021-09-27
-

Program License Serial Number 6277

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 25.0
Computed rainfall intensity:
Storm year = 25.00 1 hour rainfall = 0.989 (In.)
Slope used for rainfall intensity curve b = 0.7000
Soil antecedent moisture condition (AMC) = 2

++
Process from Point/Station 1.100 to Point/Station 1.200
**** INITIAL AREA EVALUATION ****

Soil classification AP and SCS values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2) = 67.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.578(In/Hr)
Initial subarea data:
Initial area flow distance = 341.380(Ft.)
Top (of initial area) elevation = 3615.000(Ft.)
Bottom (of initial area) elevation = 3608.040(Ft.)
Difference in elevation = 6.960(Ft.)
Slope = 0.02039 s(%)= 2.04
TC = k(0.779)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 17.499 min.
Rainfall intensity = 2.343(In/Hr) for a 25.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.678
Subarea runoff = 1.128(CFS)
Total initial stream area = 0.710(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.578(In/Hr)

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.200 to Point/Station        1.300
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
------------------------------------------------------------------------
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.648(Ft.), Average velocity =   3.722(Ft/s)
!!Warning: Water is above left or right bank elevations
        ******* Irregular Channel Data ***********
------------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              0.50
        2              2.50              0.00
        3              5.00              0.50
Manning's 'N' friction factor =   0.030
------------------------------------------------------------------
Sub-Channel flow  =      7.397(CFS)
  '     '        flow top width =      5.000(Ft.)
  '     '    velocity=    3.722(Ft/s)
  '     '        area =      1.988(Sq.Ft)
  '     '        Froude number =     1.040

Upstream point elevation =  3608.040(Ft.)
Downstream point elevation =  3598.000(Ft.)
Flow length =   506.390(Ft.)
Travel time  =    2.27 min.
Time of concentration =   19.77 min.
Depth of flow =   0.648(Ft.)
Average velocity =   3.722(Ft/s)
Total irregular channel flow =     7.397(CFS)
Irregular channel normal depth above invert elev. =   0.648(Ft.)
Average velocity of channel(s) =   3.722(Ft/s)
!!Warning: Water is above left or right bank elevations
 Adding area flow to channel
Soil classification AP and SCS  values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2)  = 67.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.578(In/Hr)
Rainfall intensity =      2.152(In/Hr) for a    25.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.658
Subarea runoff =     12.479(CFS) for    8.900(Ac.)
Total runoff =     13.607(CFS)
Effective area this stream =        9.61(Ac.)
Total Study Area (Main Stream No. 1) =        9.61(Ac.)
Area averaged Fm value =    0.578(In/Hr)
Depth of flow =   0.823(Ft.), Average velocity =   4.749(Ft/s)
!!Warning: Water is above left or right bank elevations
```

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.100 to Point/Station        2.200
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------
Soil classification AP and SCS  values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2)  = 67.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.578(In/Hr)
Initial subarea data:
Initial area flow distance =   199.840(Ft.)
Top (of initial area) elevation =  3607.300(Ft.)
Bottom (of initial area) elevation =  3603.240(Ft.)
Difference in elevation =     4.060(Ft.)
Slope =    0.02032  s(%)=       2.03
TC = k(0.779)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   14.135 min.
Rainfall intensity =      2.721(In/Hr) for a    25.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.709
Subarea runoff =      3.413(CFS)
Total initial stream area =        1.770(Ac.)
Pervious area fraction = 1.000
Initial area Fm value =    0.578(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.200 to Point/Station        2.300
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
----------------------------------------------------------------------
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.702(Ft.), Average velocity =   3.923(Ft/s)
!!Warning: Water is above left or right bank elevations
        ******* Irregular Channel Data ***********
---------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              0.50
        2              2.50              0.00
        3              5.00              0.50
Manning's 'N' friction factor =   0.030
---------------------------------------------------------------
Sub-Channel flow  =      8.874(CFS)
  '     '        flow top width =      5.000(Ft.)
  '     '    velocity=    3.923(Ft/s)
  '     '        area =      2.262(Sq.Ft)
  '     '        Froude number =     1.028

Upstream point elevation =  3603.240(Ft.)
Downstream point elevation =  3595.260(Ft.)
```

```
Flow length =   430.480(Ft.)
Travel time  =    1.83 min.
Time of concentration =   15.96 min.
Depth of flow =   0.702(Ft.)
Average velocity =   3.923(Ft/s)
Total irregular channel flow =     8.874(CFS)
Irregular channel normal depth above invert elev. =   0.702(Ft.)
Average velocity of channel(s) =   3.923(Ft/s)
!!Warning: Water is above left or right bank elevations
 Adding area flow to channel
Soil classification AP and SCS  values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2)  = 67.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.578(In/Hr)
Rainfall intensity =      2.499(In/Hr) for a    25.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.692
Subarea runoff =     10.863(CFS) for    6.490(Ac.)
Total runoff =     14.276(CFS)
Effective area this stream =        8.26(Ac.)
Total Study Area (Main Stream No. 1) =       17.87(Ac.)
Area averaged Fm value =    0.578(In/Hr)
Depth of flow =   0.852(Ft.), Average velocity =   4.745(Ft/s)
!!Warning: Water is above left or right bank elevations
End of computations, Total Study Area =           17.87 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number =  67.0
```

Appendix B – Rational Method (Pre-Development)

- 100-Year Storm Event

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2005 Version 7.1
Rational Hydrology Study Date: 10/01/21

I15 INDUSTRIAL PARK BLDG 3
PREDEVELOPED 100 YR
MGUBBAREINER 2021-09-27
-

Program License Serial Number 6277

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 100.0
Computed rainfall intensity:
Storm year = 100.00 1 hour rainfall = 1.310 (In.)
Slope used for rainfall intensity curve b = 0.7000
Soil antecedent moisture condition (AMC) = 3

++
Process from Point/Station 1.100 to Point/Station 1.200
**** INITIAL AREA EVALUATION ****

Soil classification AP and SCS values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2) = 67.00
Adjusted SCS curve number for AMC 3 = 84.60
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.290(In/Hr)
Initial subarea data:
Initial area flow distance = 341.380(Ft.)
Top (of initial area) elevation = 3615.000(Ft.)
Bottom (of initial area) elevation = 3608.040(Ft.)
Difference in elevation = 6.960(Ft.)
Slope = 0.02039 s(%)= 2.04
TC = k(0.779)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 17.499 min.
Rainfall intensity = 3.104(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.816
Subarea runoff = 1.798(CFS)
Total initial stream area = 0.710(Ac.)
Pervious area fraction = 1.000

```
Initial area Fm value =    0.290(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.200 to Point/Station        1.300
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
________________________________________________________________________
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.786(Ft.), Average velocity =   4.544(Ft/s)
!!Warning: Water is above left or right bank elevations
        ******* Irregular Channel Data ***********
------------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              0.50
        2              2.50              0.00
        3              5.00              0.50
Manning's 'N' friction factor =   0.030
------------------------------------------------------------------
Sub-Channel flow  =     12.183(CFS)
  '     '        flow top width =      5.000(Ft.)
  '     '    velocity=    4.544(Ft/s)
  '     '        area =      2.681(Sq.Ft)
  '     '        Froude number =     1.093

Upstream point elevation =  3608.040(Ft.)
Downstream point elevation =  3598.000(Ft.)
Flow length =   506.390(Ft.)
Travel time  =    1.86 min.
Time of concentration =   19.36 min.
Depth of flow =   0.786(Ft.)
Average velocity =   4.544(Ft/s)
Total irregular channel flow =    12.183(CFS)
Irregular channel normal depth above invert elev. =   0.786(Ft.)
Average velocity of channel(s) =   4.544(Ft/s)
!!Warning: Water is above left or right bank elevations
 Adding area flow to channel
Soil classification AP and SCS  values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2)  = 67.00
Adjusted SCS curve number for AMC 3 = 84.60
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.290(In/Hr)
Rainfall intensity =      2.892(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.810
Subarea runoff =     20.707(CFS) for    8.900(Ac.)
Total runoff =     22.505(CFS)
Effective area this stream =        9.61(Ac.)
Total Study Area (Main Stream No. 1) =        9.61(Ac.)
Area averaged Fm value =    0.290(In/Hr)
```

```
Depth of flow =   1.025(Ft.), Average velocity =   5.808(Ft/s)
!!Warning: Water is above left or right bank elevations


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.100 to Point/Station        2.200
**** INITIAL AREA EVALUATION ****
------------------------------------------------------------------------
Soil classification AP and SCS  values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2)  = 67.00
Adjusted SCS curve number for AMC 3 = 84.60
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.290(In/Hr)
Initial subarea data:
Initial area flow distance =   199.840(Ft.)
Top (of initial area) elevation =  3607.300(Ft.)
Bottom (of initial area) elevation =  3603.240(Ft.)
Difference in elevation =     4.060(Ft.)
Slope =    0.02032  s(%)=       2.03
TC = k(0.779)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   14.135 min.
Rainfall intensity =      3.604(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.828
Subarea runoff =      5.279(CFS)
Total initial stream area =        1.770(Ac.)
Pervious area fraction = 1.000
Initial area Fm value =    0.290(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.200 to Point/Station        2.300
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
------------------------------------------------------------------------
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.846(Ft.), Average velocity =   4.716(Ft/s)
!!Warning: Water is above left or right bank elevations
        ******* Irregular Channel Data ***********
------------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              0.50
        2              2.50              0.00
        3              5.00              0.50
Manning's 'N' friction factor =   0.030
------------------------------------------------------------------
Sub-Channel flow  =     14.064(CFS)
  '     '        flow top width =      5.000(Ft.)
  '     '    velocity=    4.716(Ft/s)
  '     '        area =      2.982(Sq.Ft)
  '     '        Froude number =     1.076
```

```
Upstream point elevation =  3603.240(Ft.)
Downstream point elevation =  3595.260(Ft.)
Flow length =   430.480(Ft.)
Travel time  =    1.52 min.
Time of concentration =   15.66 min.
Depth of flow =   0.846(Ft.)
Average velocity =   4.716(Ft/s)
Total irregular channel flow =    14.064(CFS)
Irregular channel normal depth above invert elev. =   0.846(Ft.)
Average velocity of channel(s) =   4.716(Ft/s)
!!Warning: Water is above left or right bank elevations
 Adding area flow to channel
Soil classification AP and SCS  values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2)  = 67.00
Adjusted SCS curve number for AMC 3 = 84.60
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.290(In/Hr)
Rainfall intensity =      3.355(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.822
Subarea runoff =     17.506(CFS) for    6.490(Ac.)
Total runoff =     22.785(CFS)
Effective area this stream =        8.26(Ac.)
Total Study Area (Main Stream No. 1) =       17.87(Ac.)
Area averaged Fm value =    0.290(In/Hr)
Depth of flow =   1.047(Ft.), Average velocity =   5.720(Ft/s)
!!Warning: Water is above left or right bank elevations
End of computations, Total Study Area =           17.87 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number =  67.0
```

Appendix C – Rational Method (Post-Development)

- 10-Year Storm Event
- 100-Year Storm Event

Appendix C – Rational Method (Post-Development)

- 10-Year Storm Event

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2005 Version 7.1
Rational Hydrology Study Date: 09/27/21

I15 INDUSTRIAL PARK BLDG 3
POSTDEVELOPED 10 YR
MGUBBAREINER 2021-09-27
-

Program License Serial Number 6277

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 10.0
Computed rainfall intensity:
Storm year = 10.00 1 hour rainfall = 0.785 (In.)
Slope used for rainfall intensity curve b = 0.7000
Soil antecedent moisture condition (AMC) = 2



++
Process from Point/Station 1.100 to Point/Station 1.200
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2) = 32.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.098(In/Hr)
Initial subarea data:
Initial area flow distance = 150.000(Ft.)
Top (of initial area) elevation = 3614.400(Ft.)
Bottom (of initial area) elevation = 3607.070(Ft.)
Difference in elevation = 7.330(Ft.)
Slope = 0.04887 s(%)= 4.89
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 4.126 min.
Rainfall intensity = 5.114(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.883

```
Subarea runoff =      1.986(CFS)
Total initial stream area =        0.440(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.098(In/Hr)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.200 to Point/Station        1.300
**** IMPROVED CHANNEL TRAVEL TIME ****
______________________________________________________________________
Upstream point elevation =  3607.070(Ft.)
Downstream point elevation =  3604.700(Ft.)
Channel length thru subarea  =   339.930(Ft.)
Channel base width      =    3.000(Ft.)
Slope or 'Z' of left channel bank =   1.000
Slope or 'Z' of right channel bank =   1.000
Estimated mean flow rate at midpoint of channel =      5.504(CFS)
Manning's 'N'    = 0.013
Maximum depth of channel  =    1.500(Ft.)
Flow(q) thru subarea =      5.504(CFS)
Depth of flow =   0.373(Ft.), Average velocity =   4.374(Ft/s)
Channel flow top width =    3.746(Ft.)
Flow Velocity =    4.37(Ft/s)
Travel time  =    1.30 min.
Time of concentration =    5.42 min.
Critical depth =      0.445(Ft.)
 Adding area flow to channel
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.098(In/Hr)
Rainfall intensity =      4.224(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.879
Subarea runoff =      6.964(CFS) for    1.970(Ac.)
Total runoff =      8.950(CFS)
Effective area this stream =        2.41(Ac.)
Total Study Area (Main Stream No. 1) =        2.41(Ac.)
Area averaged Fm value =    0.098(In/Hr)
Depth of flow =   0.498(Ft.), Average velocity =   5.139(Ft/s)
Critical depth =      0.609(Ft.)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.300 to Point/Station        1.400
```

```
**** PIPEFLOW TRAVEL TIME (User specified size) ****
_____________________________________________________________________
Upstream point/station elevation =  3604.700(Ft.)
Downstream point/station elevation =  3595.170(Ft.)
Pipe length  =   114.65(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     8.950(CFS)
Given pipe size =      1.50(In.)
NOTE: Normal flow is pressure flow in user selected pipe size.
The approximate hydraulic grade line above the pipe invert is
486347.902(Ft.)  at the headworks or inlet of the pipe(s)
 Pipe friction loss = 473969.207(Ft.)
 Minor friction loss =  12388.225(Ft.)  K-factor =   1.50
Pipe flow velocity =    729.29(Ft/s)
Travel time through pipe =    0.00 min.
Time of concentration (TC) =     5.42 min.
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.100 to Point/Station        2.200
**** INITIAL AREA EVALUATION ****
_____________________________________________________________________
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.098(In/Hr)
Initial subarea data:
Initial area flow distance =   219.190(Ft.)
Top (of initial area) elevation =  3604.730(Ft.)
Bottom (of initial area) elevation =  3600.990(Ft.)
Difference in elevation =     3.740(Ft.)
Slope =    0.01706  s(%)=       1.71
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    5.926 min.
Rainfall intensity =      3.968(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.878
Subarea runoff =      2.996(CFS)
Total initial stream area =        0.860(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.098(In/Hr)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.200 to Point/Station        2.300
**** IMPROVED CHANNEL TRAVEL TIME ****
_____________________________________________________________________
```

```
Upstream point elevation =  3600.990(Ft.)
Downstream point elevation =  3595.400(Ft.)
Channel length thru subarea  =   863.780(Ft.)
Channel base width      =    3.000(Ft.)
Slope or 'Z' of left channel bank =   1.000
Slope or 'Z' of right channel bank =   1.000
Estimated mean flow rate at midpoint of channel =     17.516(CFS)
Manning's 'N'    = 0.013
Maximum depth of channel  =    1.500(Ft.)
Flow(q) thru subarea =     17.516(CFS)
Depth of flow =   0.754(Ft.), Average velocity =   6.185(Ft/s)
Channel flow top width =    4.509(Ft.)
Flow Velocity =    6.19(Ft/s)
Travel time  =    2.33 min.
Time of concentration =    8.25 min.
Critical depth =      0.914(Ft.)
 Adding area flow to channel
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.098(In/Hr)
Rainfall intensity =      3.147(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.872
Subarea runoff =     28.949(CFS) for   10.780(Ac.)
Total runoff =     31.945(CFS)
Effective area this stream =       11.64(Ac.)
Total Study Area (Main Stream No. 1) =       14.05(Ac.)
Area averaged Fm value =    0.098(In/Hr)
Depth of flow =   1.064(Ft.), Average velocity =   7.385(Ft/s)
Critical depth =      1.313(Ft.)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.300 to Point/Station        2.400
**** PIPEFLOW TRAVEL TIME (User specified size) ****
________________________________________________________________________
Upstream point/station elevation =  3595.400(Ft.)
Downstream point/station elevation =  3587.000(Ft.)
Pipe length  =    62.61(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    31.945(CFS)
Given pipe size =      1.50(In.)
NOTE: Normal flow is pressure flow in user selected pipe size.
The approximate hydraulic grade line above the pipe invert is
3455420.510(Ft.)  at the headworks or inlet of the pipe(s)
 Pipe friction loss = 3297599.744(Ft.)
```

```
 Minor friction loss = 157829.166(Ft.)  K-factor =   1.50
Pipe flow velocity =   2603.10(Ft/s)
Travel time through pipe =    0.00 min.
Time of concentration (TC) =     8.25 min.
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.100 to Point/Station        3.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.098(In/Hr)
Initial subarea data:
Initial area flow distance =   350.000(Ft.)
Top (of initial area) elevation =  3607.030(Ft.)
Bottom (of initial area) elevation =  3603.500(Ft.)
Difference in elevation =     3.530(Ft.)
Slope =    0.01009  s(%)=       1.01
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.939 min.
Rainfall intensity =      3.234(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.873
Subarea runoff =      1.129(CFS)
Total initial stream area =        0.400(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.098(In/Hr)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.200 to Point/Station        3.300
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
________________________________________________________________________
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.532(Ft.), Average velocity =   1.410(Ft/s)
        ******* Irregular Channel Data ***********
------------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              3.00
        2             15.00              0.00
        3             40.00              8.50
Manning's 'N' friction factor =   0.025
------------------------------------------------------------------
```

```
Sub-Channel flow  =      1.582(CFS)
  '     '        flow top width =      4.222(Ft.)
  '     '    velocity=    1.410(Ft/s)
  '     '        area =      1.122(Sq.Ft)
  '     '        Froude number =     0.482

Upstream point elevation =  3603.500(Ft.)
Downstream point elevation =  3600.870(Ft.)
Flow length =   764.880(Ft.)
Travel time  =    9.04 min.
Time of concentration =   16.98 min.
Depth of flow =   0.532(Ft.)
Average velocity =   1.410(Ft/s)
Total irregular channel flow =     1.582(CFS)
Irregular channel normal depth above invert elev. =   0.532(Ft.)
Average velocity of channel(s) =   1.410(Ft/s)
 Adding area flow to channel
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.098(In/Hr)
Rainfall intensity =      1.899(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.854
Subarea runoff =      0.849(CFS) for    0.820(Ac.)
Total runoff =      1.978(CFS)
Effective area this stream =        1.22(Ac.)
Total Study Area (Main Stream No. 1) =       15.27(Ac.)
Area averaged Fm value =    0.098(In/Hr)
Depth of flow =   0.578(Ft.), Average velocity =   1.491(Ft/s)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.300 to Point/Station        3.400
**** IMPROVED CHANNEL TRAVEL TIME ****
________________________________________________________________________
Upstream point elevation =  3600.870(Ft.)
Downstream point elevation =  3594.720(Ft.)
Channel length thru subarea  =   418.150(Ft.)
Channel base width      =    3.000(Ft.)
Slope or 'Z' of left channel bank =   1.000
Slope or 'Z' of right channel bank =   1.000
Estimated mean flow rate at midpoint of channel =      3.962(CFS)
Manning's 'N'    = 0.013
Maximum depth of channel  =    1.500(Ft.)
Flow(q) thru subarea =      3.962(CFS)
```

```
Depth of flow =   0.245(Ft.), Average velocity =   4.981(Ft/s)
Channel flow top width =    3.490(Ft.)
Flow Velocity =    4.98(Ft/s)
Travel time  =    1.40 min.
Time of concentration =   18.38 min.
Critical depth =      0.363(Ft.)
 Adding area flow to channel
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.098(In/Hr)
Rainfall intensity =      1.797(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.851
Subarea runoff =      3.879(CFS) for    2.610(Ac.)
Total runoff =      5.857(CFS)
Effective area this stream =        3.83(Ac.)
Total Study Area (Main Stream No. 1) =       17.88(Ac.)
Area averaged Fm value =    0.098(In/Hr)
Depth of flow =   0.310(Ft.), Average velocity =   5.712(Ft/s)
Critical depth =      0.465(Ft.)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.400 to Point/Station        3.500
**** PIPEFLOW TRAVEL TIME (User specified size) ****
________________________________________________________________________
Upstream point/station elevation =  3594.720(Ft.)
Downstream point/station elevation =  3587.000(Ft.)
Pipe length  =    75.93(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     5.857(CFS)
Given pipe size =      1.50(In.)
NOTE: Normal flow is pressure flow in user selected pipe size.
The approximate hydraulic grade line above the pipe invert is
139729.709(Ft.)  at the headworks or inlet of the pipe(s)
 Pipe friction loss = 134431.979(Ft.)
 Minor friction loss =   5305.450(Ft.)  K-factor =   1.50
Pipe flow velocity =    477.26(Ft/s)
Travel time through pipe =    0.00 min.
Time of concentration (TC) =    18.38 min.
End of computations, Total Study Area =           17.88 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.
```

Area averaged pervious area fraction(Ap) = 0.100
Area averaged SCS curve number = 32.0

Appendix C – Rational Method (Post-Development)

- 100-Year Storm Event

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2005 Version 7.1
Rational Hydrology Study Date: 09/27/21

I15 INDUSTRIAL PARK BLDG 3
POSTDEVELOPED 100 YR
MGUBBAREINER 2021-09-27
-

Program License Serial Number 6277

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 100.0
Computed rainfall intensity:
Storm year = 100.00 1 hour rainfall = 1.310 (In.)
Slope used for rainfall intensity curve b = 0.7000
Soil antecedent moisture condition (AMC) = 3

++
Process from Point/Station 1.100 to Point/Station 1.200
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2) = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.079(In/Hr)
Initial subarea data:
Initial area flow distance = 150.000(Ft.)
Top (of initial area) elevation = 3614.400(Ft.)
Bottom (of initial area) elevation = 3607.070(Ft.)
Difference in elevation = 7.330(Ft.)
Slope = 0.04887 s(%)= 4.89
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 4.126 min.
Rainfall intensity = 8.533(In/Hr) for a 100.0 year storm

```
Effective runoff coefficient used for area (Q=KCIA) is C = 0.892
Subarea runoff =      3.348(CFS)
Total initial stream area =        0.440(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.079(In/Hr)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.200 to Point/Station        1.300
**** IMPROVED CHANNEL TRAVEL TIME ****
________________________________________________________________________
Upstream point elevation =  3607.070(Ft.)
Downstream point elevation =  3604.700(Ft.)
Channel length thru subarea  =   339.930(Ft.)
Channel base width      =    3.000(Ft.)
Slope or 'Z' of left channel bank =   1.000
Slope or 'Z' of right channel bank =   1.000
Estimated mean flow rate at midpoint of channel =      9.477(CFS)
Manning's 'N'    = 0.013
Maximum depth of channel  =    1.500(Ft.)
Flow(q) thru subarea =      9.477(CFS)
Depth of flow =   0.515(Ft.), Average velocity =   5.235(Ft/s)
Channel flow top width =    4.030(Ft.)
Flow Velocity =    5.23(Ft/s)
Travel time  =    1.08 min.
Time of concentration =    5.21 min.
Critical depth =      0.625(Ft.)
 Adding area flow to channel
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.079(In/Hr)
Rainfall intensity =      7.249(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.890
Subarea runoff =     12.206(CFS) for    1.970(Ac.)
Total runoff =     15.554(CFS)
Effective area this stream =        2.41(Ac.)
Total Study Area (Main Stream No. 1) =        2.41(Ac.)
Area averaged Fm value =    0.079(In/Hr)
Depth of flow =   0.689(Ft.), Average velocity =   6.121(Ft/s)
Critical depth =      0.852(Ft.)
```

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.300 to Point/Station        1.400
**** PIPEFLOW TRAVEL TIME (User specified size) ****
______________________________________________________________________________
Upstream point/station elevation =  3604.700(Ft.)
Downstream point/station elevation =  3595.170(Ft.)
Pipe length  =   114.65(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    15.554(CFS)
Given pipe size =      1.50(In.)
NOTE: Normal flow is pressure flow in user selected pipe size.
The approximate hydraulic grade line above the pipe invert is
1468931.082(Ft.)  at the headworks or inlet of the pipe(s)
 Pipe friction loss = 1431524.576(Ft.)
 Minor friction loss =  37416.036(Ft.)  K-factor =   1.50
Pipe flow velocity =   1267.44(Ft/s)
Travel time through pipe =    0.00 min.
Time of concentration (TC) =     5.21 min.
```

↟

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.100 to Point/Station        2.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.079(In/Hr)
Initial subarea data:
Initial area flow distance =   219.190(Ft.)
Top (of initial area) elevation =  3604.730(Ft.)
Bottom (of initial area) elevation =  3600.990(Ft.)
Difference in elevation =     3.740(Ft.)
Slope =    0.01706  s(%)=       1.71
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    5.926 min.
Rainfall intensity =      6.623(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.889
Subarea runoff =      5.065(CFS)
Total initial stream area =        0.860(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.079(In/Hr)
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

```
Process from Point/Station        2.200 to Point/Station        2.300
**** IMPROVED CHANNEL TRAVEL TIME ****
------------------------------------------------------------------------
Upstream point elevation =  3600.990(Ft.)
Downstream point elevation =  3595.400(Ft.)
Channel length thru subarea  =   863.780(Ft.)
Channel base width      =    3.000(Ft.)
Slope or 'Z' of left channel bank =   1.000
Slope or 'Z' of right channel bank =   1.000
Estimated mean flow rate at midpoint of channel =     30.517(CFS)
Manning's 'N'    = 0.013
Maximum depth of channel  =    1.500(Ft.)
Flow(q) thru subarea =     30.517(CFS)
Depth of flow =   1.037(Ft.), Average velocity =   7.289(Ft/s)
Channel flow top width =    5.074(Ft.)
Flow Velocity =    7.29(Ft/s)
Travel time  =    1.98 min.
Time of concentration =    7.90 min.
Critical depth =      1.266(Ft.)
 Adding area flow to channel
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.079(In/Hr)
Rainfall intensity =      5.415(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.887
Subarea runoff =     50.837(CFS) for   10.780(Ac.)
Total runoff =     55.902(CFS)
Effective area this stream =       11.64(Ac.)
Total Study Area (Main Stream No. 1) =       14.05(Ac.)
Area averaged Fm value =    0.079(In/Hr)
Depth of flow =   1.453(Ft.), Average velocity =   8.637(Ft/s)
Critical depth =      1.766(Ft.)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.300 to Point/Station        2.400
**** PIPEFLOW TRAVEL TIME (User specified size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  3595.400(Ft.)
Downstream point/station elevation =  3587.000(Ft.)
Pipe length  =    62.61(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    55.902(CFS)
Given pipe size =      1.50(In.)
```

```
NOTE: Normal flow is pressure flow in user selected pipe size.
The approximate hydraulic grade line above the pipe invert is
10581754.695(Ft.)  at the headworks or inlet of the pipe(s)
 Pipe friction loss = 10098433.561(Ft.)
 Minor friction loss = 483329.534(Ft.)  K-factor =   1.50
Pipe flow velocity =   4555.32(Ft/s)
Travel time through pipe =    0.00 min.
Time of concentration (TC) =     7.90 min.
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.100 to Point/Station        3.200
**** INITIAL AREA EVALUATION ****
------------------------------------------------------------------------
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.079(In/Hr)
Initial subarea data:
Initial area flow distance =   350.000(Ft.)
Top (of initial area) elevation =  3607.030(Ft.)
Bottom (of initial area) elevation =  3603.500(Ft.)
Difference in elevation =     3.530(Ft.)
Slope =    0.01009  s(%)=       1.01
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.939 min.
Rainfall intensity =      5.397(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.887
Subarea runoff =      1.915(CFS)
Total initial stream area =        0.400(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.079(In/Hr)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.200 to Point/Station        3.300
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
------------------------------------------------------------------------
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.658(Ft.), Average velocity =   1.624(Ft/s)
        ******* Irregular Channel Data ***********
------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
```

```
        1              0.00              3.00
        2             15.00              0.00
        3             40.00              8.50
Manning's 'N' friction factor =   0.025
-----------------------------------------------------------------
Sub-Channel flow  =      2.789(CFS)
  '     '        flow top width =      5.222(Ft.)
  '     '    velocity=    1.624(Ft/s)
  '     '        area =      1.717(Sq.Ft)
  '     '        Froude number =     0.499

Upstream point elevation =  3603.500(Ft.)
Downstream point elevation =  3600.870(Ft.)
Flow length =   764.880(Ft.)
Travel time  =    7.85 min.
Time of concentration =   15.79 min.
Depth of flow =   0.658(Ft.)
Average velocity =   1.624(Ft/s)
Total irregular channel flow =     2.789(CFS)
Irregular channel normal depth above invert elev. =   0.658(Ft.)
Average velocity of channel(s) =   1.624(Ft/s)
 Adding area flow to channel
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.079(In/Hr)
Rainfall intensity =      3.336(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.879
Subarea runoff =      1.662(CFS) for    0.820(Ac.)
Total runoff =      3.576(CFS)
Effective area this stream =        1.22(Ac.)
Total Study Area (Main Stream No. 1) =       15.27(Ac.)
Area averaged Fm value =    0.079(In/Hr)
Depth of flow =   0.722(Ft.), Average velocity =   1.729(Ft/s)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.300 to Point/Station        3.400
**** IMPROVED CHANNEL TRAVEL TIME ****
_____________________________________________________________________
Upstream point elevation =  3600.870(Ft.)
Downstream point elevation =  3594.720(Ft.)
Channel length thru subarea  =   418.150(Ft.)
Channel base width      =    3.000(Ft.)
```

```
Slope or 'Z' of left channel bank =   1.000
Slope or 'Z' of right channel bank =   1.000
Estimated mean flow rate at midpoint of channel =      7.163(CFS)
Manning's 'N'    = 0.013
Maximum depth of channel  =    1.500(Ft.)
Flow(q) thru subarea =      7.163(CFS)
Depth of flow =   0.349(Ft.), Average velocity =   6.121(Ft/s)
Channel flow top width =    3.699(Ft.)
Flow Velocity =    6.12(Ft/s)
Travel time  =    1.14 min.
Time of concentration =   16.92 min.
Critical depth =      0.531(Ft.)
 Adding area flow to channel
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.079(In/Hr)
Rainfall intensity =      3.177(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.878
Subarea runoff =      7.104(CFS) for    2.610(Ac.)
Total runoff =     10.680(CFS)
Effective area this stream =        3.83(Ac.)
Total Study Area (Main Stream No. 1) =       17.88(Ac.)
Area averaged Fm value =    0.079(In/Hr)
Depth of flow =   0.443(Ft.), Average velocity =   6.999(Ft/s)
Critical depth =      0.680(Ft.)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.400 to Point/Station        3.500
**** PIPEFLOW TRAVEL TIME (User specified size) ****
________________________________________________________________________
Upstream point/station elevation =  3594.720(Ft.)
Downstream point/station elevation =  3587.000(Ft.)
Pipe length  =    75.93(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    10.680(CFS)
Given pipe size =      1.50(In.)
NOTE: Normal flow is pressure flow in user selected pipe size.
The approximate hydraulic grade line above the pipe invert is
464657.955(Ft.)  at the headworks or inlet of the pipe(s)
 Pipe friction loss = 447023.584(Ft.)
 Minor friction loss =  17642.091(Ft.)  K-factor =   1.50
Pipe flow velocity =    870.31(Ft/s)
Travel time through pipe =    0.00 min.
```

Time of concentration (TC) = 16.93 min.
End of computations, Total Study Area = 17.88 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 0.100
Area averaged SCS curve number = 32.0

Appendix D – Unit Hydrograph (Pre-Development)

- 10-Year Storm Event
- 100-Year Storm Event

Appendix D – Unit Hydrograph (Pre-Development)

- 10-Year Storm Event

U n i t H y d r o g r a p h A n a l y s i s

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Study date 10/01/21

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
PREDEVELOPED 10 YR UNIT HYDROGRAPH SUBAREA A
MGUBBAREINER 2021-09-27
--

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
9.61	1	0.79
Rainfall data for year 10		
9.61	6	1.82
Rainfall data for year 10		
9.61	24	3.63

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	67.0	9.61	1.000	0.578	1.000	0.578

Area-averaged adjusted loss rate Fm (In/Hr) = 0.578

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
9.61	1.000	67.0	67.0	4.93	0.255

Area-averaged catchment yield fraction, Y = 0.255
Area-averaged low loss fraction, Yb = 0.745
User entry of time of concentration = 0.335 (hours)
++
Watershed area = 9.61(Ac.)
Catchment Lag time = 0.268 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 31.0945
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.578(In/Hr)
Average low loss rate fraction (Yb) = 0.745 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.372(In)
Computed peak 30-minute rainfall = 0.638(In)
Specified peak 1-hour rainfall = 0.785(In)
Computed peak 3-hour rainfall = 1.315(In)
Specified peak 6-hour rainfall = 1.820(In)
Specified peak 24-hour rainfall = 3.630(In)

Rainfall depth area reduction factors:
Using a total area of 9.61(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.372(In)
30-minute factor = 1.000 Adjusted rainfall = 0.637(In)
1-hour factor = 1.000 Adjusted rainfall = 0.785(In)
3-hour factor = 1.000 Adjusted rainfall = 1.315(In)
6-hour factor = 1.000 Adjusted rainfall = 1.820(In)
24-hour factor = 1.000 Adjusted rainfall = 3.630(In)

U n i t H y d r o g r a p h
++
Interval 'S' Graph Unit Hydrograph

Number	Mean values	((CFS))
	(K = 116.22 (CFS))	
1	1.861	2.163
2	10.156	9.641
3	33.083	26.646
4	54.196	24.538
5	65.695	13.364
6	73.121	8.630
7	78.475	6.222
8	82.466	4.639
9	85.667	3.720
10	88.293	3.053
11	90.271	2.298
12	91.956	1.958
13	93.399	1.677
14	94.572	1.364
15	95.595	1.188
16	96.431	0.972
17	97.134	0.817
18	97.683	0.637
19	98.052	0.430
20	98.379	0.379
21	98.749	0.430
22	99.122	0.434
23	99.474	0.409
24	99.692	0.253
25	99.886	0.226
26	100.000	0.132

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3723	0.3723
2	0.4584	0.0861
3	0.5177	0.0593
4	0.5643	0.0467
5	0.6034	0.0391
6	0.6373	0.0339
7	0.6675	0.0302
8	0.6948	0.0273
9	0.7198	0.0250
10	0.7429	0.0231
11	0.7644	0.0215
12	0.7846	0.0202
13	0.8147	0.0301
14	0.8436	0.0289
15	0.8713	0.0278
16	0.8982	0.0268
17	0.9241	0.0259

18	0.9492	0.0251
19	0.9737	0.0244
20	0.9974	0.0237
21	1.0205	0.0231
22	1.0431	0.0225
23	1.0651	0.0220
24	1.0866	0.0215
25	1.1076	0.0210
26	1.1282	0.0206
27	1.1484	0.0202
28	1.1682	0.0198
29	1.1876	0.0194
30	1.2066	0.0191
31	1.2254	0.0187
32	1.2438	0.0184
33	1.2619	0.0181
34	1.2797	0.0178
35	1.2972	0.0175
36	1.3145	0.0173
37	1.3315	0.0170
38	1.3483	0.0168
39	1.3648	0.0165
40	1.3812	0.0163
41	1.3973	0.0161
42	1.4132	0.0159
43	1.4288	0.0157
44	1.4443	0.0155
45	1.4597	0.0153
46	1.4748	0.0151
47	1.4898	0.0150
48	1.5046	0.0148
49	1.5192	0.0146
50	1.5337	0.0145
51	1.5480	0.0143
52	1.5622	0.0142
53	1.5762	0.0140
54	1.5901	0.0139
55	1.6038	0.0138
56	1.6174	0.0136
57	1.6309	0.0135
58	1.6443	0.0134
59	1.6576	0.0132
60	1.6707	0.0131
61	1.6837	0.0130
62	1.6966	0.0129
63	1.7094	0.0128
64	1.7221	0.0127
65	1.7346	0.0126
66	1.7471	0.0125
67	1.7595	0.0124

68	1.7718	0.0123
69	1.7840	0.0122
70	1.7960	0.0121
71	1.8080	0.0120
72	1.8199	0.0119
73	1.8325	0.0125
74	1.8449	0.0125
75	1.8573	0.0124
76	1.8696	0.0123
77	1.8818	0.0122
78	1.8940	0.0121
79	1.9060	0.0121
80	1.9180	0.0120
81	1.9299	0.0119
82	1.9417	0.0118
83	1.9535	0.0118
84	1.9652	0.0117
85	1.9768	0.0116
86	1.9883	0.0115
87	1.9998	0.0115
88	2.0112	0.0114
89	2.0226	0.0114
90	2.0339	0.0113
91	2.0451	0.0112
92	2.0563	0.0112
93	2.0674	0.0111
94	2.0784	0.0110
95	2.0894	0.0110
96	2.1003	0.0109
97	2.1112	0.0109
98	2.1220	0.0108
99	2.1327	0.0108
100	2.1434	0.0107
101	2.1541	0.0106
102	2.1647	0.0106
103	2.1752	0.0105
104	2.1857	0.0105
105	2.1962	0.0104
106	2.2066	0.0104
107	2.2169	0.0103
108	2.2272	0.0103
109	2.2374	0.0102
110	2.2476	0.0102
111	2.2578	0.0102
112	2.2679	0.0101
113	2.2780	0.0101
114	2.2880	0.0100
115	2.2979	0.0100
116	2.3079	0.0099
117	2.3178	0.0099

118	2.3276	0.0098
119	2.3374	0.0098
120	2.3472	0.0098
121	2.3569	0.0097
122	2.3666	0.0097
123	2.3762	0.0096
124	2.3858	0.0096
125	2.3954	0.0096
126	2.4049	0.0095
127	2.4144	0.0095
128	2.4238	0.0094
129	2.4333	0.0094
130	2.4426	0.0094
131	2.4520	0.0093
132	2.4613	0.0093
133	2.4705	0.0093
134	2.4798	0.0092
135	2.4890	0.0092
136	2.4981	0.0092
137	2.5073	0.0091
138	2.5164	0.0091
139	2.5254	0.0091
140	2.5345	0.0090
141	2.5435	0.0090
142	2.5524	0.0090
143	2.5614	0.0089
144	2.5703	0.0089
145	2.5792	0.0089
146	2.5880	0.0088
147	2.5968	0.0088
148	2.6056	0.0088
149	2.6143	0.0088
150	2.6231	0.0087
151	2.6318	0.0087
152	2.6404	0.0087
153	2.6491	0.0086
154	2.6577	0.0086
155	2.6663	0.0086
156	2.6748	0.0086
157	2.6833	0.0085
158	2.6918	0.0085
159	2.7003	0.0085
160	2.7087	0.0084
161	2.7172	0.0084
162	2.7256	0.0084
163	2.7339	0.0084
164	2.7423	0.0083
165	2.7506	0.0083
166	2.7589	0.0083
167	2.7671	0.0083

168	2.7754	0.0082
169	2.7836	0.0082
170	2.7918	0.0082
171	2.7999	0.0082
172	2.8081	0.0081
173	2.8162	0.0081
174	2.8243	0.0081
175	2.8324	0.0081
176	2.8404	0.0080
177	2.8484	0.0080
178	2.8565	0.0080
179	2.8644	0.0080
180	2.8724	0.0080
181	2.8803	0.0079
182	2.8882	0.0079
183	2.8961	0.0079
184	2.9040	0.0079
185	2.9119	0.0078
186	2.9197	0.0078
187	2.9275	0.0078
188	2.9353	0.0078
189	2.9430	0.0078
190	2.9508	0.0077
191	2.9585	0.0077
192	2.9662	0.0077
193	2.9739	0.0077
194	2.9816	0.0077
195	2.9892	0.0076
196	2.9968	0.0076
197	3.0044	0.0076
198	3.0120	0.0076
199	3.0196	0.0076
200	3.0271	0.0075
201	3.0347	0.0075
202	3.0422	0.0075
203	3.0497	0.0075
204	3.0571	0.0075
205	3.0646	0.0075
206	3.0720	0.0074
207	3.0794	0.0074
208	3.0868	0.0074
209	3.0942	0.0074
210	3.1016	0.0074
211	3.1089	0.0073
212	3.1163	0.0073
213	3.1236	0.0073
214	3.1309	0.0073
215	3.1382	0.0073
216	3.1454	0.0073
217	3.1527	0.0072

218	3.1599	0.0072
219	3.1671	0.0072
220	3.1743	0.0072
221	3.1815	0.0072
222	3.1886	0.0072
223	3.1958	0.0071
224	3.2029	0.0071
225	3.2100	0.0071
226	3.2171	0.0071
227	3.2242	0.0071
228	3.2313	0.0071
229	3.2383	0.0071
230	3.2454	0.0070
231	3.2524	0.0070
232	3.2594	0.0070
233	3.2664	0.0070
234	3.2733	0.0070
235	3.2803	0.0070
236	3.2872	0.0069
237	3.2942	0.0069
238	3.3011	0.0069
239	3.3080	0.0069
240	3.3149	0.0069
241	3.3217	0.0069
242	3.3286	0.0069
243	3.3354	0.0068
244	3.3423	0.0068
245	3.3491	0.0068
246	3.3559	0.0068
247	3.3627	0.0068
248	3.3695	0.0068
249	3.3762	0.0068
250	3.3830	0.0067
251	3.3897	0.0067
252	3.3964	0.0067
253	3.4031	0.0067
254	3.4098	0.0067
255	3.4165	0.0067
256	3.4232	0.0067
257	3.4298	0.0067
258	3.4364	0.0066
259	3.4431	0.0066
260	3.4497	0.0066
261	3.4563	0.0066
262	3.4629	0.0066
263	3.4695	0.0066
264	3.4760	0.0066
265	3.4826	0.0066
266	3.4891	0.0065
267	3.4956	0.0065

268	3.5021	0.0065
269	3.5086	0.0065
270	3.5151	0.0065
271	3.5216	0.0065
272	3.5281	0.0065
273	3.5345	0.0065
274	3.5410	0.0064
275	3.5474	0.0064
276	3.5538	0.0064
277	3.5602	0.0064
278	3.5666	0.0064
279	3.5730	0.0064
280	3.5794	0.0064
281	3.5857	0.0064
282	3.5921	0.0063
283	3.5984	0.0063
284	3.6048	0.0063
285	3.6111	0.0063
286	3.6174	0.0063
287	3.6237	0.0063
288	3.6300	0.0063

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0063	0.0047	0.0016
2	0.0063	0.0047	0.0016
3	0.0063	0.0047	0.0016
4	0.0063	0.0047	0.0016
5	0.0063	0.0047	0.0016
6	0.0064	0.0047	0.0016
7	0.0064	0.0048	0.0016
8	0.0064	0.0048	0.0016
9	0.0064	0.0048	0.0016
10	0.0064	0.0048	0.0016
11	0.0065	0.0048	0.0016
12	0.0065	0.0048	0.0016
13	0.0065	0.0048	0.0017
14	0.0065	0.0048	0.0017
15	0.0065	0.0049	0.0017
16	0.0065	0.0049	0.0017
17	0.0066	0.0049	0.0017
18	0.0066	0.0049	0.0017
19	0.0066	0.0049	0.0017
20	0.0066	0.0049	0.0017
21	0.0066	0.0049	0.0017
22	0.0067	0.0050	0.0017
23	0.0067	0.0050	0.0017
24	0.0067	0.0050	0.0017

25	0.0067	0.0050	0.0017
26	0.0067	0.0050	0.0017
27	0.0068	0.0050	0.0017
28	0.0068	0.0050	0.0017
29	0.0068	0.0051	0.0017
30	0.0068	0.0051	0.0017
31	0.0068	0.0051	0.0017
32	0.0069	0.0051	0.0017
33	0.0069	0.0051	0.0018
34	0.0069	0.0051	0.0018
35	0.0069	0.0052	0.0018
36	0.0069	0.0052	0.0018
37	0.0070	0.0052	0.0018
38	0.0070	0.0052	0.0018
39	0.0070	0.0052	0.0018
40	0.0070	0.0052	0.0018
41	0.0071	0.0053	0.0018
42	0.0071	0.0053	0.0018
43	0.0071	0.0053	0.0018
44	0.0071	0.0053	0.0018
45	0.0072	0.0053	0.0018
46	0.0072	0.0054	0.0018
47	0.0072	0.0054	0.0018
48	0.0072	0.0054	0.0018
49	0.0073	0.0054	0.0018
50	0.0073	0.0054	0.0019
51	0.0073	0.0055	0.0019
52	0.0073	0.0055	0.0019
53	0.0074	0.0055	0.0019
54	0.0074	0.0055	0.0019
55	0.0074	0.0055	0.0019
56	0.0074	0.0055	0.0019
57	0.0075	0.0056	0.0019
58	0.0075	0.0056	0.0019
59	0.0075	0.0056	0.0019
60	0.0075	0.0056	0.0019
61	0.0076	0.0057	0.0019
62	0.0076	0.0057	0.0019
63	0.0076	0.0057	0.0019
64	0.0077	0.0057	0.0020
65	0.0077	0.0057	0.0020
66	0.0077	0.0058	0.0020
67	0.0078	0.0058	0.0020
68	0.0078	0.0058	0.0020
69	0.0078	0.0058	0.0020
70	0.0078	0.0059	0.0020
71	0.0079	0.0059	0.0020
72	0.0079	0.0059	0.0020
73	0.0080	0.0059	0.0020
74	0.0080	0.0059	0.0020

75	0.0080	0.0060	0.0020
76	0.0080	0.0060	0.0020
77	0.0081	0.0060	0.0021
78	0.0081	0.0061	0.0021
79	0.0082	0.0061	0.0021
80	0.0082	0.0061	0.0021
81	0.0082	0.0061	0.0021
82	0.0083	0.0062	0.0021
83	0.0083	0.0062	0.0021
84	0.0083	0.0062	0.0021
85	0.0084	0.0063	0.0021
86	0.0084	0.0063	0.0021
87	0.0085	0.0063	0.0022
88	0.0085	0.0063	0.0022
89	0.0086	0.0064	0.0022
90	0.0086	0.0064	0.0022
91	0.0086	0.0064	0.0022
92	0.0087	0.0065	0.0022
93	0.0087	0.0065	0.0022
94	0.0088	0.0065	0.0022
95	0.0088	0.0066	0.0022
96	0.0088	0.0066	0.0023
97	0.0089	0.0066	0.0023
98	0.0089	0.0067	0.0023
99	0.0090	0.0067	0.0023
100	0.0090	0.0067	0.0023
101	0.0091	0.0068	0.0023
102	0.0091	0.0068	0.0023
103	0.0092	0.0069	0.0023
104	0.0092	0.0069	0.0024
105	0.0093	0.0069	0.0024
106	0.0093	0.0070	0.0024
107	0.0094	0.0070	0.0024
108	0.0094	0.0070	0.0024
109	0.0095	0.0071	0.0024
110	0.0096	0.0071	0.0024
111	0.0096	0.0072	0.0025
112	0.0097	0.0072	0.0025
113	0.0098	0.0073	0.0025
114	0.0098	0.0073	0.0025
115	0.0099	0.0074	0.0025
116	0.0099	0.0074	0.0025
117	0.0100	0.0075	0.0026
118	0.0101	0.0075	0.0026
119	0.0102	0.0076	0.0026
120	0.0102	0.0076	0.0026
121	0.0103	0.0077	0.0026
122	0.0103	0.0077	0.0026
123	0.0104	0.0078	0.0027
124	0.0105	0.0078	0.0027

125	0.0106	0.0079	0.0027
126	0.0106	0.0079	0.0027
127	0.0108	0.0080	0.0027
128	0.0108	0.0081	0.0028
129	0.0109	0.0081	0.0028
130	0.0110	0.0082	0.0028
131	0.0111	0.0083	0.0028
132	0.0112	0.0083	0.0028
133	0.0113	0.0084	0.0029
134	0.0114	0.0085	0.0029
135	0.0115	0.0086	0.0029
136	0.0115	0.0086	0.0029
137	0.0117	0.0087	0.0030
138	0.0118	0.0088	0.0030
139	0.0119	0.0089	0.0030
140	0.0120	0.0089	0.0030
141	0.0121	0.0090	0.0031
142	0.0122	0.0091	0.0031
143	0.0124	0.0092	0.0032
144	0.0125	0.0093	0.0032
145	0.0119	0.0089	0.0030
146	0.0120	0.0089	0.0031
147	0.0122	0.0091	0.0031
148	0.0123	0.0092	0.0031
149	0.0125	0.0093	0.0032
150	0.0126	0.0094	0.0032
151	0.0128	0.0095	0.0033
152	0.0129	0.0096	0.0033
153	0.0131	0.0098	0.0033
154	0.0132	0.0099	0.0034
155	0.0135	0.0101	0.0034
156	0.0136	0.0102	0.0035
157	0.0139	0.0104	0.0035
158	0.0140	0.0105	0.0036
159	0.0143	0.0107	0.0036
160	0.0145	0.0108	0.0037
161	0.0148	0.0110	0.0038
162	0.0150	0.0112	0.0038
163	0.0153	0.0114	0.0039
164	0.0155	0.0116	0.0039
165	0.0159	0.0118	0.0040
166	0.0161	0.0120	0.0041
167	0.0165	0.0123	0.0042
168	0.0168	0.0125	0.0043
169	0.0173	0.0129	0.0044
170	0.0175	0.0131	0.0045
171	0.0181	0.0135	0.0046
172	0.0184	0.0137	0.0047
173	0.0191	0.0142	0.0049
174	0.0194	0.0145	0.0049

175	0.0202	0.0150	0.0051
176	0.0206	0.0154	0.0052
177	0.0215	0.0160	0.0055
178	0.0220	0.0164	0.0056
179	0.0231	0.0172	0.0059
180	0.0237	0.0177	0.0060
181	0.0251	0.0187	0.0064
182	0.0259	0.0193	0.0066
183	0.0278	0.0207	0.0071
184	0.0289	0.0215	0.0073
185	0.0202	0.0151	0.0051
186	0.0215	0.0161	0.0055
187	0.0250	0.0186	0.0064
188	0.0273	0.0203	0.0069
189	0.0339	0.0253	0.0086
190	0.0391	0.0291	0.0099
191	0.0593	0.0442	0.0151
192	0.0861	0.0482	0.0379
193	0.3723	0.0482	0.3241
194	0.0467	0.0348	0.0119
195	0.0302	0.0225	0.0077
196	0.0231	0.0172	0.0059
197	0.0301	0.0224	0.0077
198	0.0268	0.0200	0.0068
199	0.0244	0.0182	0.0062
200	0.0225	0.0168	0.0057
201	0.0210	0.0157	0.0054
202	0.0198	0.0147	0.0050
203	0.0187	0.0140	0.0048
204	0.0178	0.0133	0.0045
205	0.0170	0.0127	0.0043
206	0.0163	0.0122	0.0042
207	0.0157	0.0117	0.0040
208	0.0151	0.0113	0.0039
209	0.0146	0.0109	0.0037
210	0.0142	0.0106	0.0036
211	0.0138	0.0103	0.0035
212	0.0134	0.0100	0.0034
213	0.0130	0.0097	0.0033
214	0.0127	0.0095	0.0032
215	0.0124	0.0092	0.0032
216	0.0121	0.0090	0.0031
217	0.0125	0.0094	0.0032
218	0.0123	0.0092	0.0031
219	0.0121	0.0090	0.0031
220	0.0118	0.0088	0.0030
221	0.0116	0.0087	0.0030
222	0.0114	0.0085	0.0029
223	0.0112	0.0084	0.0029
224	0.0110	0.0082	0.0028

225	0.0109	0.0081	0.0028
226	0.0107	0.0080	0.0027
227	0.0105	0.0079	0.0027
228	0.0104	0.0077	0.0026
229	0.0102	0.0076	0.0026
230	0.0101	0.0075	0.0026
231	0.0100	0.0074	0.0025
232	0.0098	0.0073	0.0025
233	0.0097	0.0072	0.0025
234	0.0096	0.0072	0.0024
235	0.0095	0.0071	0.0024
236	0.0094	0.0070	0.0024
237	0.0093	0.0069	0.0024
238	0.0092	0.0068	0.0023
239	0.0091	0.0068	0.0023
240	0.0090	0.0067	0.0023
241	0.0089	0.0066	0.0023
242	0.0088	0.0065	0.0022
243	0.0087	0.0065	0.0022
244	0.0086	0.0064	0.0022
245	0.0085	0.0064	0.0022
246	0.0084	0.0063	0.0021
247	0.0084	0.0062	0.0021
248	0.0083	0.0062	0.0021
249	0.0082	0.0061	0.0021
250	0.0081	0.0061	0.0021
251	0.0081	0.0060	0.0021
252	0.0080	0.0060	0.0020
253	0.0079	0.0059	0.0020
254	0.0079	0.0059	0.0020
255	0.0078	0.0058	0.0020
256	0.0077	0.0058	0.0020
257	0.0077	0.0057	0.0020
258	0.0076	0.0057	0.0019
259	0.0076	0.0056	0.0019
260	0.0075	0.0056	0.0019
261	0.0075	0.0056	0.0019
262	0.0074	0.0055	0.0019
263	0.0073	0.0055	0.0019
264	0.0073	0.0054	0.0019
265	0.0072	0.0054	0.0018
266	0.0072	0.0054	0.0018
267	0.0071	0.0053	0.0018
268	0.0071	0.0053	0.0018
269	0.0071	0.0053	0.0018
270	0.0070	0.0052	0.0018
271	0.0070	0.0052	0.0018
272	0.0069	0.0052	0.0018
273	0.0069	0.0051	0.0017
274	0.0068	0.0051	0.0017

275	0.0068	0.0051	0.0017
276	0.0067	0.0050	0.0017
277	0.0067	0.0050	0.0017
278	0.0067	0.0050	0.0017
279	0.0066	0.0049	0.0017
280	0.0066	0.0049	0.0017
281	0.0066	0.0049	0.0017
282	0.0065	0.0049	0.0017
283	0.0065	0.0048	0.0016
284	0.0064	0.0048	0.0016
285	0.0064	0.0048	0.0016
286	0.0064	0.0048	0.0016
287	0.0063	0.0047	0.0016
288	0.0063	0.0047	0.0016

Total soil rain loss = 2.46(In)
Total effective rainfall = 1.17(In)
Peak flow rate in flood hydrograph = 10.19(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

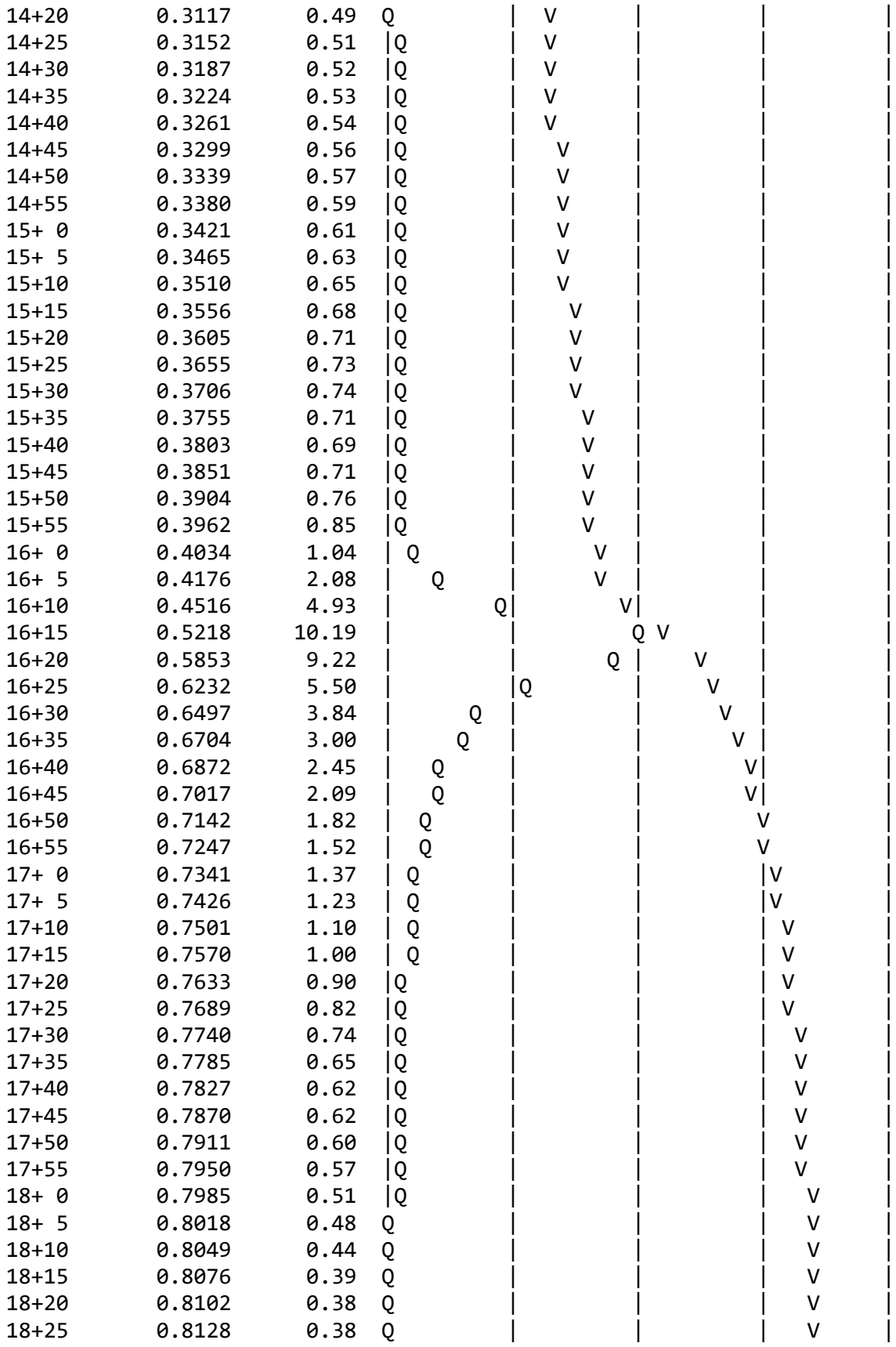
Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0000	0.00	Q	|	|	|	|
0+10	0.0002	0.02	Q	|	|	|	|
0+15	0.0006	0.06	Q	|	|	|	|
0+20	0.0013	0.10	Q	|	|	|	|
0+25	0.0021	0.12	Q	|	|	|	|
0+30	0.0031	0.14	Q	|	|	|	|
0+35	0.0041	0.15	Q	|	|	|	|
0+40	0.0051	0.15	Q	|	|	|	|
0+45	0.0062	0.16	Q	|	|	|	|
0+50	0.0074	0.17	Q	|	|	|	|
0+55	0.0086	0.17	Q	|	|	|	|
1+ 0	0.0098	0.17	Q	|	|	|	|
1+ 5	0.0110	0.18	Q	|	|	|	|
1+10	0.0122	0.18	Q	|	|	|	|
1+15	0.0135	0.18	Q	|	|	|	|
1+20	0.0148	0.18	Q	|	|	|	|
1+25	0.0160	0.19	Q	|	|	|	|
1+30	0.0173	0.19	Q	|	|	|	|
1+35	0.0186	0.19	Q	|	|	|	|
1+40	0.0199	0.19	Q	|	|	|	|
1+45	0.0213	0.19	Q	|	|	|	|

1+50	0.0226	0.19	Q	|	|	|	|
1+55	0.0239	0.19	QV	|	|	|	|
2+ 0	0.0253	0.19	QV	|	|	|	|
2+ 5	0.0266	0.20	QV	|	|	|	|
2+10	0.0280	0.20	QV	|	|	|	|
2+15	0.0293	0.20	QV	|	|	|	|
2+20	0.0307	0.20	QV	|	|	|	|
2+25	0.0321	0.20	QV	|	|	|	|
2+30	0.0334	0.20	QV	|	|	|	|
2+35	0.0348	0.20	QV	|	|	|	|
2+40	0.0362	0.20	QV	|	|	|	|
2+45	0.0376	0.20	QV	|	|	|	|
2+50	0.0389	0.20	QV	|	|	|	|
2+55	0.0403	0.20	QV	|	|	|	|
3+ 0	0.0417	0.20	QV	|	|	|	|
3+ 5	0.0431	0.20	QV	|	|	|	|
3+10	0.0445	0.20	QV	|	|	|	|
3+15	0.0459	0.20	QV	|	|	|	|
3+20	0.0474	0.21	Q V	|	|	|	|
3+25	0.0488	0.21	Q V	|	|	|	|
3+30	0.0502	0.21	Q V	|	|	|	|
3+35	0.0516	0.21	Q V	|	|	|	|
3+40	0.0530	0.21	Q V	|	|	|	|
3+45	0.0545	0.21	Q V	|	|	|	|
3+50	0.0559	0.21	Q V	|	|	|	|
3+55	0.0574	0.21	Q V	|	|	|	|
4+ 0	0.0588	0.21	Q V	|	|	|	|
4+ 5	0.0603	0.21	Q V	|	|	|	|
4+10	0.0617	0.21	Q V	|	|	|	|
4+15	0.0632	0.21	Q V	|	|	|	|
4+20	0.0647	0.21	Q V	|	|	|	|
4+25	0.0661	0.21	Q V	|	|	|	|
4+30	0.0676	0.21	Q V	|	|	|	|
4+35	0.0691	0.22	Q V	|	|	|	|
4+40	0.0706	0.22	Q V	|	|	|	|
4+45	0.0721	0.22	Q V	|	|	|	|
4+50	0.0736	0.22	Q V	|	|	|	|
4+55	0.0751	0.22	Q V	|	|	|	|
5+ 0	0.0766	0.22	Q V	|	|	|	|
5+ 5	0.0781	0.22	Q V	|	|	|	|
5+10	0.0797	0.22	Q V	|	|	|	|
5+15	0.0812	0.22	Q V	|	|	|	|
5+20	0.0827	0.22	Q V	|	|	|	|
5+25	0.0843	0.22	Q V	|	|	|	|
5+30	0.0858	0.22	Q V	|	|	|	|
5+35	0.0874	0.23	Q V	|	|	|	|
5+40	0.0889	0.23	Q V	|	|	|	|
5+45	0.0905	0.23	Q V	|	|	|	|
5+50	0.0921	0.23	Q V	|	|	|	|
5+55	0.0936	0.23	Q V	|	|	|	|

6+ 0	0.0952	0.23	Q	V				
6+ 5	0.0968	0.23	Q	V				
6+10	0.0984	0.23	Q	V				
6+15	0.1000	0.23	Q	V				
6+20	0.1016	0.23	Q	V				
6+25	0.1032	0.23	Q	V				
6+30	0.1049	0.24	Q	V				
6+35	0.1065	0.24	Q	V				
6+40	0.1081	0.24	Q	V				
6+45	0.1098	0.24	Q	V				
6+50	0.1114	0.24	Q	V				
6+55	0.1131	0.24	Q	V				
7+ 0	0.1147	0.24	Q	V				
7+ 5	0.1164	0.24	Q	V				
7+10	0.1181	0.24	Q	V				
7+15	0.1198	0.25	Q	V				
7+20	0.1215	0.25	Q	V				
7+25	0.1232	0.25	Q	V				
7+30	0.1249	0.25	Q	V				
7+35	0.1266	0.25	Q	V				
7+40	0.1283	0.25	Q	V				
7+45	0.1301	0.25	Q	V				
7+50	0.1318	0.25	Q	V				
7+55	0.1336	0.25	Q	V				
8+ 0	0.1353	0.26	Q	V				
8+ 5	0.1371	0.26	Q	V				
8+10	0.1389	0.26	Q	V				
8+15	0.1407	0.26	Q	V				
8+20	0.1425	0.26	Q	V				
8+25	0.1443	0.26	Q	V				
8+30	0.1461	0.26	Q	V				
8+35	0.1479	0.27	Q	V				
8+40	0.1498	0.27	Q	V				
8+45	0.1516	0.27	Q	V				
8+50	0.1535	0.27	Q	V				
8+55	0.1553	0.27	Q	V				
9+ 0	0.1572	0.27	Q	V				
9+ 5	0.1591	0.27	Q	V				
9+10	0.1610	0.28	Q	V				
9+15	0.1629	0.28	Q	V				
9+20	0.1648	0.28	Q	V				
9+25	0.1667	0.28	Q	V				
9+30	0.1687	0.28	Q	V				
9+35	0.1706	0.28	Q	V				
9+40	0.1726	0.29	Q	V				
9+45	0.1746	0.29	Q	V				
9+50	0.1766	0.29	Q	V				
9+55	0.1786	0.29	Q	V				
10+ 0	0.1806	0.29	Q	V				
10+ 5	0.1826	0.29	Q	V				

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10+10       0.1847      0.30  Q      V  |          |          |          |
10+15       0.1867      0.30  Q      V  |          |          |          |
10+20       0.1888      0.30  Q       V |          |          |          |
10+25       0.1909      0.30  Q       V |          |          |          |
10+30       0.1930      0.31  Q       V |          |          |          |
10+35       0.1951      0.31  Q       V |          |          |          |
10+40       0.1972      0.31  Q       V |          |          |          |
10+45       0.1994      0.31  Q       V |          |          |          |
10+50       0.2016      0.31  Q       V |          |          |          |
10+55       0.2037      0.32  Q       V |          |          |          |
11+ 0       0.2059      0.32  Q       V |          |          |          |
11+ 5       0.2081      0.32  Q       V |          |          |          |
11+10       0.2104      0.32  Q       V |          |          |          |
11+15       0.2126      0.33  Q        V|          |          |          |
11+20       0.2149      0.33  Q        V|          |          |          |
11+25       0.2172      0.33  Q        V|          |          |          |
11+30       0.2195      0.33  Q        V|          |          |          |
11+35       0.2218      0.34  Q        V|          |          |          |
11+40       0.2241      0.34  Q        V|          |          |          |
11+45       0.2265      0.34  Q        V|          |          |          |
11+50       0.2289      0.35  Q        V|          |          |          |
11+55       0.2313      0.35  Q        V|          |          |          |
12+ 0       0.2337      0.35  Q        V|          |          |          |
12+ 5       0.2362      0.36  Q         V          |          |          |
12+10       0.2387      0.36  Q         V          |          |          |
12+15       0.2411      0.36  Q         V          |          |          |
12+20       0.2436      0.36  Q         V          |          |          |
12+25       0.2460      0.36  Q         V          |          |          |
12+30       0.2485      0.36  Q         V          |          |          |
12+35       0.2510      0.36  Q         V          |          |          |
12+40       0.2535      0.37  Q         V          |          |          |
12+45       0.2560      0.37  Q         V          |          |          |
12+50       0.2586      0.37  Q          |V         |          |          |
12+55       0.2612      0.38  Q          |V         |          |          |
13+ 0       0.2638      0.38  Q          |V         |          |          |
13+ 5       0.2665      0.39  Q          |V         |          |          |
13+10       0.2692      0.39  Q          |V         |          |          |
13+15       0.2719      0.40  Q          |V         |          |          |
13+20       0.2747      0.40  Q          |V         |          |          |
13+25       0.2775      0.41  Q          |V         |          |          |
13+30       0.2804      0.41  Q          |V         |          |          |
13+35       0.2833      0.42  Q          | V        |          |          |
13+40       0.2862      0.43  Q          | V        |          |          |
13+45       0.2892      0.43  Q          | V        |          |          |
13+50       0.2922      0.44  Q          | V        |          |          |
13+55       0.2953      0.45  Q          | V        |          |          |
14+ 0       0.2985      0.46  Q          | V        |          |          |
14+ 5       0.3017      0.47  Q          | V        |          |          |
14+10       0.3049      0.47  Q          |  V       |          |          |
14+15       0.3083      0.48  Q          |  V       |          |          |
```



18+30	0.8154	0.37	Q	|	|	| V	|
18+35	0.8179	0.36	Q	|	|	| V	|
18+40	0.8203	0.36	Q	|	|	| V	|
18+45	0.8227	0.35	Q	|	|	| V	|
18+50	0.8251	0.34	Q	|	|	| V	|
18+55	0.8274	0.34	Q	|	|	| V	|
19+ 0	0.8297	0.33	Q	|	|	| V	|
19+ 5	0.8320	0.33	Q	|	|	| V	|
19+10	0.8342	0.32	Q	|	|	| V	|
19+15	0.8364	0.32	Q	|	|	| V	|
19+20	0.8385	0.31	Q	|	|	| V	|
19+25	0.8407	0.31	Q	|	|	| V	|
19+30	0.8427	0.30	Q	|	|	| V	|
19+35	0.8448	0.30	Q	|	|	| V	|
19+40	0.8468	0.30	Q	|	|	| V	|
19+45	0.8489	0.29	Q	|	|	| V	|
19+50	0.8508	0.29	Q	|	|	| V	|
19+55	0.8528	0.28	Q	|	|	| V	|
20+ 0	0.8547	0.28	Q	|	|	| V	|
20+ 5	0.8566	0.28	Q	|	|	| V	|
20+10	0.8585	0.27	Q	|	|	| V	|
20+15	0.8604	0.27	Q	|	|	| V	|
20+20	0.8623	0.27	Q	|	|	| V	|
20+25	0.8641	0.27	Q	|	|	| V	|
20+30	0.8659	0.26	Q	|	|	| V	|
20+35	0.8677	0.26	Q	|	|	| V	|
20+40	0.8695	0.26	Q	|	|	| V	|
20+45	0.8712	0.25	Q	|	|	| V	|
20+50	0.8730	0.25	Q	|	|	| V	|
20+55	0.8747	0.25	Q	|	|	| V	|
21+ 0	0.8764	0.25	Q	|	|	| V	|
21+ 5	0.8781	0.25	Q	|	|	| V	|
21+10	0.8797	0.24	Q	|	|	| V	|
21+15	0.8814	0.24	Q	|	|	| V	|
21+20	0.8830	0.24	Q	|	|	| V	|
21+25	0.8847	0.24	Q	|	|	| V	|
21+30	0.8863	0.23	Q	|	|	| V	|
21+35	0.8879	0.23	Q	|	|	| V	|
21+40	0.8895	0.23	Q	|	|	| V	|
21+45	0.8911	0.23	Q	|	|	| V	|
21+50	0.8926	0.23	Q	|	|	| V	|
21+55	0.8942	0.23	Q	|	|	| V	|
22+ 0	0.8957	0.22	Q	|	|	| V	|
22+ 5	0.8973	0.22	Q	|	|	| V	|
22+10	0.8988	0.22	Q	|	|	| V	|
22+15	0.9003	0.22	Q	|	|	| V	|
22+20	0.9018	0.22	Q	|	|	| V	|
22+25	0.9033	0.22	Q	|	|	| V	|
22+30	0.9047	0.21	Q	|	|	| V	|
22+35	0.9062	0.21	Q	|	|	| V	|

```
   22+40       0.9077      0.21  Q          |          |          |        V |
   22+45       0.9091      0.21  Q          |          |          |        V |
   22+50       0.9105      0.21  Q          |          |          |        V |
   22+55       0.9120      0.21  Q          |          |          |        V |
   23+ 0       0.9134      0.21  Q          |          |          |         V|
   23+ 5       0.9148      0.20  Q          |          |          |         V|
   23+10       0.9162      0.20  Q          |          |          |         V|
   23+15       0.9176      0.20  Q          |          |          |         V|
   23+20       0.9190      0.20  Q          |          |          |         V|
   23+25       0.9203      0.20  Q          |          |          |         V|
   23+30       0.9217      0.20  Q          |          |          |         V|
   23+35       0.9231      0.20  Q          |          |          |         V|
   23+40       0.9244      0.20  Q          |          |          |         V|
   23+45       0.9258      0.19  Q          |          |          |         V|
   23+50       0.9271      0.19  Q          |          |          |         V|
   23+55       0.9284      0.19  Q          |          |          |         V|
   24+ 0       0.9297      0.19  Q          |          |          |         V|
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U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2004, Version 7.0

Study date 10/01/21

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
PREDEVELOPED 10 YR UNIT HYDROGRAPH SUBAREA B
MGUBBAREINER 2021-09-27
--

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
8.25	1	0.79
Rainfall data for year 10		
8.25	6	1.82
Rainfall data for year 10		
8.25	24	3.63

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	67.0	8.25	1.000	0.578	1.000	0.578

Area-averaged adjusted loss rate Fm (In/Hr) = 0.578

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
8.25	1.000	67.0	67.0	4.93	0.255

Area-averaged catchment yield fraction, Y = 0.255
Area-averaged low loss fraction, Yb = 0.745
User entry of time of concentration = 0.270 (hours)
++
Watershed area = 8.25(Ac.)
Catchment Lag time = 0.216 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 38.5802
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.578(In/Hr)
Average low loss rate fraction (Yb) = 0.745 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.375(In)
Computed peak 30-minute rainfall = 0.642(In)
Specified peak 1-hour rainfall = 0.790(In)
Computed peak 3-hour rainfall = 1.318(In)
Specified peak 6-hour rainfall = 1.820(In)
Specified peak 24-hour rainfall = 3.630(In)

Rainfall depth area reduction factors:
Using a total area of 8.25(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.375(In)
30-minute factor = 1.000 Adjusted rainfall = 0.641(In)
1-hour factor = 1.000 Adjusted rainfall = 0.790(In)
3-hour factor = 1.000 Adjusted rainfall = 1.318(In)
6-hour factor = 1.000 Adjusted rainfall = 1.820(In)
24-hour factor = 1.000 Adjusted rainfall = 3.630(In)

U n i t H y d r o g r a p h
++
Interval 'S' Graph Unit Hydrograph

Number	Mean values ((CFS))	
	(K = 99.77 (CFS))	
1	2.595	2.589
2	17.110	14.482
3	47.025	29.847
4	64.168	17.104
5	73.585	9.396
6	79.873	6.274
7	84.321	4.438
8	87.824	3.495
9	90.350	2.521
10	92.386	2.031
11	94.047	1.658
12	95.367	1.317
13	96.438	1.068
14	97.275	0.835
15	97.884	0.608
16	98.288	0.403
17	98.739	0.450
18	99.202	0.462
19	99.584	0.381
20	99.827	0.243
21	100.000	0.173

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3747	0.3747
2	0.4613	0.0866
3	0.5210	0.0597
4	0.5680	0.0470
5	0.6073	0.0393
6	0.6414	0.0341
7	0.6718	0.0304
8	0.6992	0.0275
9	0.7244	0.0251
10	0.7477	0.0233
11	0.7693	0.0217
12	0.7897	0.0203
13	0.8197	0.0300
14	0.8485	0.0288
15	0.8762	0.0277
16	0.9030	0.0268
17	0.9289	0.0259
18	0.9540	0.0251
19	0.9783	0.0243
20	1.0020	0.0237
21	1.0250	0.0230
22	1.0475	0.0225

23	1.0694	0.0219
24	1.0908	0.0214
25	1.1118	0.0210
26	1.1323	0.0205
27	1.1524	0.0201
28	1.1721	0.0197
29	1.1914	0.0193
30	1.2104	0.0190
31	1.2291	0.0186
32	1.2474	0.0183
33	1.2654	0.0180
34	1.2831	0.0177
35	1.3006	0.0175
36	1.3178	0.0172
37	1.3347	0.0169
38	1.3514	0.0167
39	1.3678	0.0165
40	1.3841	0.0162
41	1.4001	0.0160
42	1.4159	0.0158
43	1.4315	0.0156
44	1.4469	0.0154
45	1.4621	0.0152
46	1.4772	0.0150
47	1.4920	0.0149
48	1.5067	0.0147
49	1.5213	0.0145
50	1.5357	0.0144
51	1.5499	0.0142
52	1.5640	0.0141
53	1.5779	0.0139
54	1.5917	0.0138
55	1.6054	0.0137
56	1.6189	0.0135
57	1.6323	0.0134
58	1.6456	0.0133
59	1.6587	0.0132
60	1.6718	0.0130
61	1.6847	0.0129
62	1.6975	0.0128
63	1.7102	0.0127
64	1.7228	0.0126
65	1.7353	0.0125
66	1.7477	0.0124
67	1.7599	0.0123
68	1.7721	0.0122
69	1.7842	0.0121
70	1.7962	0.0120
71	1.8081	0.0119
72	1.8200	0.0118

73	1.8325	0.0125
74	1.8450	0.0125
75	1.8573	0.0124
76	1.8696	0.0123
77	1.8818	0.0122
78	1.8940	0.0121
79	1.9060	0.0121
80	1.9180	0.0120
81	1.9299	0.0119
82	1.9417	0.0118
83	1.9535	0.0118
84	1.9652	0.0117
85	1.9768	0.0116
86	1.9883	0.0115
87	1.9998	0.0115
88	2.0112	0.0114
89	2.0226	0.0114
90	2.0339	0.0113
91	2.0451	0.0112
92	2.0563	0.0112
93	2.0674	0.0111
94	2.0784	0.0110
95	2.0894	0.0110
96	2.1003	0.0109
97	2.1112	0.0109
98	2.1220	0.0108
99	2.1327	0.0108
100	2.1434	0.0107
101	2.1541	0.0106
102	2.1647	0.0106
103	2.1752	0.0105
104	2.1857	0.0105
105	2.1962	0.0104
106	2.2066	0.0104
107	2.2169	0.0103
108	2.2272	0.0103
109	2.2374	0.0102
110	2.2476	0.0102
111	2.2578	0.0102
112	2.2679	0.0101
113	2.2780	0.0101
114	2.2880	0.0100
115	2.2980	0.0100
116	2.3079	0.0099
117	2.3178	0.0099
118	2.3276	0.0098
119	2.3374	0.0098
120	2.3472	0.0098
121	2.3569	0.0097
122	2.3666	0.0097

123	2.3762	0.0096
124	2.3858	0.0096
125	2.3954	0.0096
126	2.4049	0.0095
127	2.4144	0.0095
128	2.4239	0.0094
129	2.4333	0.0094
130	2.4426	0.0094
131	2.4520	0.0093
132	2.4613	0.0093
133	2.4706	0.0093
134	2.4798	0.0092
135	2.4890	0.0092
136	2.4981	0.0092
137	2.5073	0.0091
138	2.5164	0.0091
139	2.5254	0.0091
140	2.5345	0.0090
141	2.5435	0.0090
142	2.5524	0.0090
143	2.5614	0.0089
144	2.5703	0.0089
145	2.5792	0.0089
146	2.5880	0.0088
147	2.5968	0.0088
148	2.6056	0.0088
149	2.6144	0.0088
150	2.6231	0.0087
151	2.6318	0.0087
152	2.6404	0.0087
153	2.6491	0.0086
154	2.6577	0.0086
155	2.6663	0.0086
156	2.6748	0.0086
157	2.6833	0.0085
158	2.6918	0.0085
159	2.7003	0.0085
160	2.7088	0.0084
161	2.7172	0.0084
162	2.7256	0.0084
163	2.7339	0.0084
164	2.7423	0.0083
165	2.7506	0.0083
166	2.7589	0.0083
167	2.7671	0.0083
168	2.7754	0.0082
169	2.7836	0.0082
170	2.7918	0.0082
171	2.8000	0.0082
172	2.8081	0.0081

173	2.8162	0.0081
174	2.8243	0.0081
175	2.8324	0.0081
176	2.8404	0.0080
177	2.8485	0.0080
178	2.8565	0.0080
179	2.8644	0.0080
180	2.8724	0.0080
181	2.8803	0.0079
182	2.8883	0.0079
183	2.8961	0.0079
184	2.9040	0.0079
185	2.9119	0.0078
186	2.9197	0.0078
187	2.9275	0.0078
188	2.9353	0.0078
189	2.9431	0.0078
190	2.9508	0.0077
191	2.9585	0.0077
192	2.9662	0.0077
193	2.9739	0.0077
194	2.9816	0.0077
195	2.9892	0.0076
196	2.9968	0.0076
197	3.0044	0.0076
198	3.0120	0.0076
199	3.0196	0.0076
200	3.0271	0.0075
201	3.0347	0.0075
202	3.0422	0.0075
203	3.0497	0.0075
204	3.0571	0.0075
205	3.0646	0.0075
206	3.0720	0.0074
207	3.0795	0.0074
208	3.0869	0.0074
209	3.0942	0.0074
210	3.1016	0.0074
211	3.1090	0.0073
212	3.1163	0.0073
213	3.1236	0.0073
214	3.1309	0.0073
215	3.1382	0.0073
216	3.1454	0.0073
217	3.1527	0.0072
218	3.1599	0.0072
219	3.1671	0.0072
220	3.1743	0.0072
221	3.1815	0.0072
222	3.1886	0.0072

223	3.1958	0.0071
224	3.2029	0.0071
225	3.2100	0.0071
226	3.2171	0.0071
227	3.2242	0.0071
228	3.2313	0.0071
229	3.2383	0.0071
230	3.2454	0.0070
231	3.2524	0.0070
232	3.2594	0.0070
233	3.2664	0.0070
234	3.2733	0.0070
235	3.2803	0.0070
236	3.2872	0.0069
237	3.2942	0.0069
238	3.3011	0.0069
239	3.3080	0.0069
240	3.3149	0.0069
241	3.3218	0.0069
242	3.3286	0.0069
243	3.3355	0.0068
244	3.3423	0.0068
245	3.3491	0.0068
246	3.3559	0.0068
247	3.3627	0.0068
248	3.3695	0.0068
249	3.3762	0.0068
250	3.3830	0.0067
251	3.3897	0.0067
252	3.3964	0.0067
253	3.4031	0.0067
254	3.4098	0.0067
255	3.4165	0.0067
256	3.4232	0.0067
257	3.4298	0.0067
258	3.4364	0.0066
259	3.4431	0.0066
260	3.4497	0.0066
261	3.4563	0.0066
262	3.4629	0.0066
263	3.4695	0.0066
264	3.4760	0.0066
265	3.4826	0.0066
266	3.4891	0.0065
267	3.4956	0.0065
268	3.5022	0.0065
269	3.5087	0.0065
270	3.5151	0.0065
271	3.5216	0.0065
272	3.5281	0.0065

273	3.5345	0.0065
274	3.5410	0.0064
275	3.5474	0.0064
276	3.5538	0.0064
277	3.5602	0.0064
278	3.5666	0.0064
279	3.5730	0.0064
280	3.5794	0.0064
281	3.5858	0.0064
282	3.5921	0.0063
283	3.5984	0.0063
284	3.6048	0.0063
285	3.6111	0.0063
286	3.6174	0.0063
287	3.6237	0.0063
288	3.6300	0.0063

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0063	0.0047	0.0016
2	0.0063	0.0047	0.0016
3	0.0063	0.0047	0.0016
4	0.0063	0.0047	0.0016
5	0.0063	0.0047	0.0016
6	0.0064	0.0047	0.0016
7	0.0064	0.0048	0.0016
8	0.0064	0.0048	0.0016
9	0.0064	0.0048	0.0016
10	0.0064	0.0048	0.0016
11	0.0065	0.0048	0.0016
12	0.0065	0.0048	0.0016
13	0.0065	0.0048	0.0017
14	0.0065	0.0048	0.0017
15	0.0065	0.0049	0.0017
16	0.0065	0.0049	0.0017
17	0.0066	0.0049	0.0017
18	0.0066	0.0049	0.0017
19	0.0066	0.0049	0.0017
20	0.0066	0.0049	0.0017
21	0.0066	0.0049	0.0017
22	0.0067	0.0050	0.0017
23	0.0067	0.0050	0.0017
24	0.0067	0.0050	0.0017
25	0.0067	0.0050	0.0017
26	0.0067	0.0050	0.0017
27	0.0068	0.0050	0.0017
28	0.0068	0.0050	0.0017
29	0.0068	0.0051	0.0017

30	0.0068	0.0051	0.0017
31	0.0068	0.0051	0.0017
32	0.0069	0.0051	0.0017
33	0.0069	0.0051	0.0018
34	0.0069	0.0051	0.0018
35	0.0069	0.0052	0.0018
36	0.0069	0.0052	0.0018
37	0.0070	0.0052	0.0018
38	0.0070	0.0052	0.0018
39	0.0070	0.0052	0.0018
40	0.0070	0.0052	0.0018
41	0.0071	0.0053	0.0018
42	0.0071	0.0053	0.0018
43	0.0071	0.0053	0.0018
44	0.0071	0.0053	0.0018
45	0.0072	0.0053	0.0018
46	0.0072	0.0054	0.0018
47	0.0072	0.0054	0.0018
48	0.0072	0.0054	0.0018
49	0.0073	0.0054	0.0018
50	0.0073	0.0054	0.0019
51	0.0073	0.0055	0.0019
52	0.0073	0.0055	0.0019
53	0.0074	0.0055	0.0019
54	0.0074	0.0055	0.0019
55	0.0074	0.0055	0.0019
56	0.0074	0.0055	0.0019
57	0.0075	0.0056	0.0019
58	0.0075	0.0056	0.0019
59	0.0075	0.0056	0.0019
60	0.0075	0.0056	0.0019
61	0.0076	0.0057	0.0019
62	0.0076	0.0057	0.0019
63	0.0076	0.0057	0.0019
64	0.0077	0.0057	0.0020
65	0.0077	0.0057	0.0020
66	0.0077	0.0058	0.0020
67	0.0078	0.0058	0.0020
68	0.0078	0.0058	0.0020
69	0.0078	0.0058	0.0020
70	0.0078	0.0059	0.0020
71	0.0079	0.0059	0.0020
72	0.0079	0.0059	0.0020
73	0.0080	0.0059	0.0020
74	0.0080	0.0059	0.0020
75	0.0080	0.0060	0.0020
76	0.0080	0.0060	0.0020
77	0.0081	0.0060	0.0021
78	0.0081	0.0061	0.0021
79	0.0082	0.0061	0.0021

80	0.0082	0.0061	0.0021
81	0.0082	0.0061	0.0021
82	0.0083	0.0062	0.0021
83	0.0083	0.0062	0.0021
84	0.0083	0.0062	0.0021
85	0.0084	0.0063	0.0021
86	0.0084	0.0063	0.0021
87	0.0085	0.0063	0.0022
88	0.0085	0.0063	0.0022
89	0.0086	0.0064	0.0022
90	0.0086	0.0064	0.0022
91	0.0086	0.0064	0.0022
92	0.0087	0.0065	0.0022
93	0.0087	0.0065	0.0022
94	0.0088	0.0065	0.0022
95	0.0088	0.0066	0.0022
96	0.0088	0.0066	0.0023
97	0.0089	0.0066	0.0023
98	0.0089	0.0067	0.0023
99	0.0090	0.0067	0.0023
100	0.0090	0.0067	0.0023
101	0.0091	0.0068	0.0023
102	0.0091	0.0068	0.0023
103	0.0092	0.0069	0.0023
104	0.0092	0.0069	0.0024
105	0.0093	0.0069	0.0024
106	0.0093	0.0070	0.0024
107	0.0094	0.0070	0.0024
108	0.0094	0.0070	0.0024
109	0.0095	0.0071	0.0024
110	0.0096	0.0071	0.0024
111	0.0096	0.0072	0.0025
112	0.0097	0.0072	0.0025
113	0.0098	0.0073	0.0025
114	0.0098	0.0073	0.0025
115	0.0099	0.0074	0.0025
116	0.0099	0.0074	0.0025
117	0.0100	0.0075	0.0026
118	0.0101	0.0075	0.0026
119	0.0102	0.0076	0.0026
120	0.0102	0.0076	0.0026
121	0.0103	0.0077	0.0026
122	0.0103	0.0077	0.0026
123	0.0104	0.0078	0.0027
124	0.0105	0.0078	0.0027
125	0.0106	0.0079	0.0027
126	0.0106	0.0079	0.0027
127	0.0108	0.0080	0.0027
128	0.0108	0.0081	0.0028
129	0.0109	0.0081	0.0028

130	0.0110	0.0082	0.0028
131	0.0111	0.0083	0.0028
132	0.0112	0.0083	0.0028
133	0.0113	0.0084	0.0029
134	0.0114	0.0085	0.0029
135	0.0115	0.0086	0.0029
136	0.0115	0.0086	0.0029
137	0.0117	0.0087	0.0030
138	0.0118	0.0088	0.0030
139	0.0119	0.0089	0.0030
140	0.0120	0.0089	0.0030
141	0.0121	0.0090	0.0031
142	0.0122	0.0091	0.0031
143	0.0124	0.0092	0.0032
144	0.0125	0.0093	0.0032
145	0.0118	0.0088	0.0030
146	0.0119	0.0089	0.0030
147	0.0121	0.0090	0.0031
148	0.0122	0.0091	0.0031
149	0.0124	0.0092	0.0032
150	0.0125	0.0093	0.0032
151	0.0127	0.0095	0.0032
152	0.0128	0.0095	0.0033
153	0.0130	0.0097	0.0033
154	0.0132	0.0098	0.0033
155	0.0134	0.0100	0.0034
156	0.0135	0.0101	0.0034
157	0.0138	0.0103	0.0035
158	0.0139	0.0104	0.0035
159	0.0142	0.0106	0.0036
160	0.0144	0.0107	0.0037
161	0.0147	0.0110	0.0037
162	0.0149	0.0111	0.0038
163	0.0152	0.0113	0.0039
164	0.0154	0.0115	0.0039
165	0.0158	0.0118	0.0040
166	0.0160	0.0119	0.0041
167	0.0165	0.0123	0.0042
168	0.0167	0.0124	0.0042
169	0.0172	0.0128	0.0044
170	0.0175	0.0130	0.0044
171	0.0180	0.0134	0.0046
172	0.0183	0.0137	0.0047
173	0.0190	0.0141	0.0048
174	0.0193	0.0144	0.0049
175	0.0201	0.0150	0.0051
176	0.0205	0.0153	0.0052
177	0.0214	0.0160	0.0055
178	0.0219	0.0163	0.0056
179	0.0230	0.0172	0.0059

180	0.0237	0.0176	0.0060
181	0.0251	0.0187	0.0064
182	0.0259	0.0193	0.0066
183	0.0277	0.0207	0.0071
184	0.0288	0.0215	0.0073
185	0.0203	0.0152	0.0052
186	0.0217	0.0162	0.0055
187	0.0251	0.0187	0.0064
188	0.0275	0.0205	0.0070
189	0.0341	0.0255	0.0087
190	0.0393	0.0293	0.0100
191	0.0597	0.0445	0.0152
192	0.0866	0.0482	0.0384
193	0.3747	0.0482	0.3265
194	0.0470	0.0350	0.0120
195	0.0304	0.0226	0.0077
196	0.0233	0.0173	0.0059
197	0.0300	0.0224	0.0076
198	0.0268	0.0199	0.0068
199	0.0243	0.0181	0.0062
200	0.0225	0.0167	0.0057
201	0.0210	0.0156	0.0053
202	0.0197	0.0147	0.0050
203	0.0186	0.0139	0.0047
204	0.0177	0.0132	0.0045
205	0.0169	0.0126	0.0043
206	0.0162	0.0121	0.0041
207	0.0156	0.0116	0.0040
208	0.0150	0.0112	0.0038
209	0.0145	0.0108	0.0037
210	0.0141	0.0105	0.0036
211	0.0137	0.0102	0.0035
212	0.0133	0.0099	0.0034
213	0.0129	0.0096	0.0033
214	0.0126	0.0094	0.0032
215	0.0123	0.0092	0.0031
216	0.0120	0.0089	0.0031
217	0.0125	0.0094	0.0032
218	0.0123	0.0092	0.0031
219	0.0121	0.0090	0.0031
220	0.0118	0.0088	0.0030
221	0.0116	0.0087	0.0030
222	0.0114	0.0085	0.0029
223	0.0112	0.0084	0.0029
224	0.0110	0.0082	0.0028
225	0.0109	0.0081	0.0028
226	0.0107	0.0080	0.0027
227	0.0105	0.0079	0.0027
228	0.0104	0.0077	0.0026
229	0.0102	0.0076	0.0026

230	0.0101	0.0075	0.0026
231	0.0100	0.0074	0.0025
232	0.0098	0.0073	0.0025
233	0.0097	0.0072	0.0025
234	0.0096	0.0072	0.0024
235	0.0095	0.0071	0.0024
236	0.0094	0.0070	0.0024
237	0.0093	0.0069	0.0024
238	0.0092	0.0068	0.0023
239	0.0091	0.0068	0.0023
240	0.0090	0.0067	0.0023
241	0.0089	0.0066	0.0023
242	0.0088	0.0065	0.0022
243	0.0087	0.0065	0.0022
244	0.0086	0.0064	0.0022
245	0.0085	0.0064	0.0022
246	0.0084	0.0063	0.0021
247	0.0084	0.0062	0.0021
248	0.0083	0.0062	0.0021
249	0.0082	0.0061	0.0021
250	0.0081	0.0061	0.0021
251	0.0081	0.0060	0.0021
252	0.0080	0.0060	0.0020
253	0.0079	0.0059	0.0020
254	0.0079	0.0059	0.0020
255	0.0078	0.0058	0.0020
256	0.0077	0.0058	0.0020
257	0.0077	0.0057	0.0020
258	0.0076	0.0057	0.0019
259	0.0076	0.0056	0.0019
260	0.0075	0.0056	0.0019
261	0.0075	0.0056	0.0019
262	0.0074	0.0055	0.0019
263	0.0073	0.0055	0.0019
264	0.0073	0.0054	0.0019
265	0.0072	0.0054	0.0018
266	0.0072	0.0054	0.0018
267	0.0071	0.0053	0.0018
268	0.0071	0.0053	0.0018
269	0.0071	0.0053	0.0018
270	0.0070	0.0052	0.0018
271	0.0070	0.0052	0.0018
272	0.0069	0.0052	0.0018
273	0.0069	0.0051	0.0017
274	0.0068	0.0051	0.0017
275	0.0068	0.0051	0.0017
276	0.0067	0.0050	0.0017
277	0.0067	0.0050	0.0017
278	0.0067	0.0050	0.0017
279	0.0066	0.0049	0.0017

280	0.0066	0.0049	0.0017
281	0.0066	0.0049	0.0017
282	0.0065	0.0049	0.0017
283	0.0065	0.0048	0.0016
284	0.0064	0.0048	0.0016
285	0.0064	0.0048	0.0016
286	0.0064	0.0048	0.0016
287	0.0063	0.0047	0.0016
288	0.0063	0.0047	0.0016

Total soil rain loss = 2.46(In)
Total effective rainfall = 1.17(In)
Peak flow rate in flood hydrograph = 10.94(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

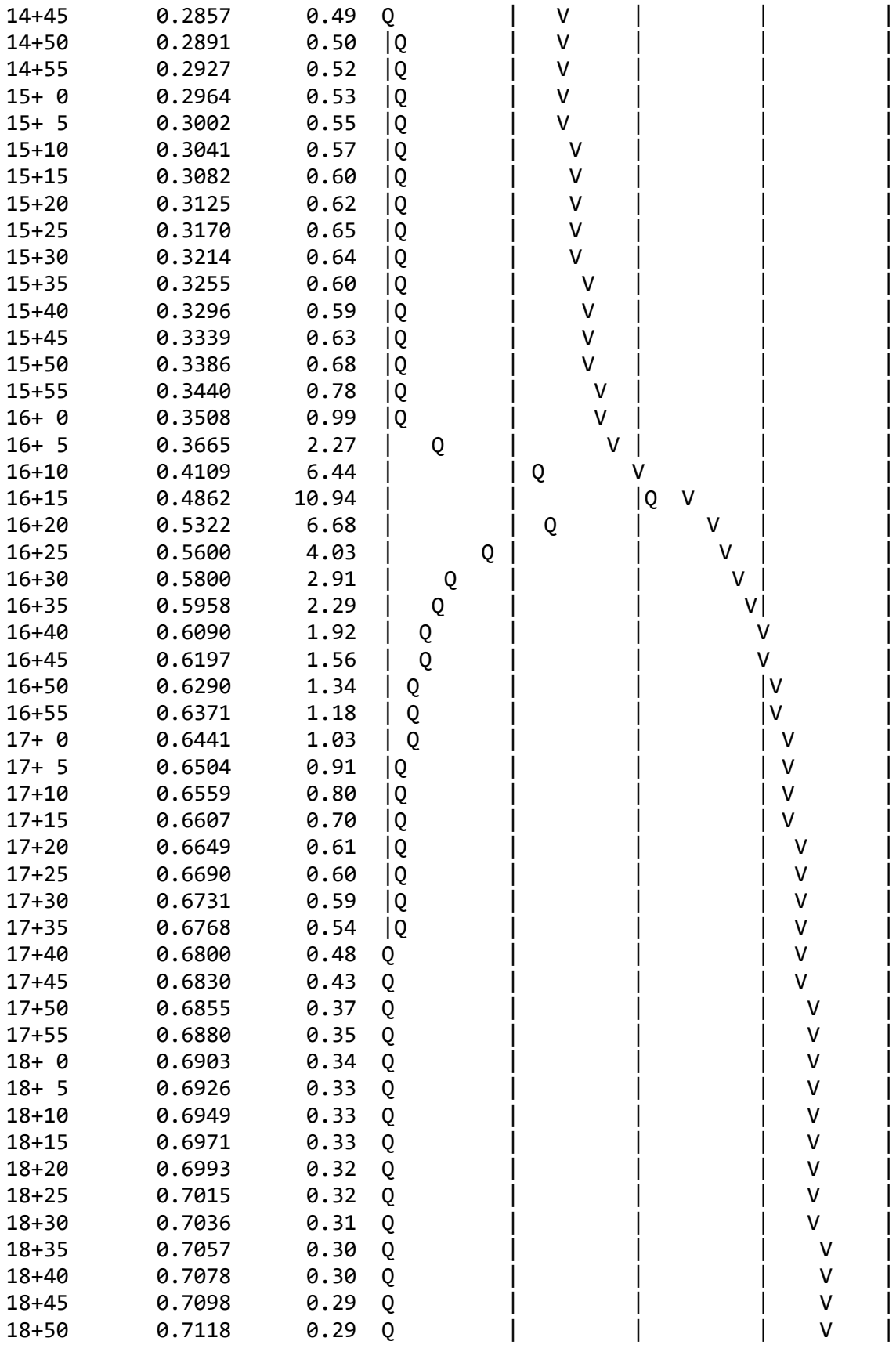
Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0000	0.00	Q	|	|	|	|
0+10	0.0002	0.03	Q	|	|	|	|
0+15	0.0007	0.08	Q	|	|	|	|
0+20	0.0014	0.10	Q	|	|	|	|
0+25	0.0023	0.12	Q	|	|	|	|
0+30	0.0031	0.13	Q	|	|	|	|
0+35	0.0041	0.14	Q	|	|	|	|
0+40	0.0050	0.14	Q	|	|	|	|
0+45	0.0061	0.15	Q	|	|	|	|
0+50	0.0071	0.15	Q	|	|	|	|
0+55	0.0081	0.15	Q	|	|	|	|
1+ 0	0.0092	0.16	Q	|	|	|	|
1+ 5	0.0103	0.16	Q	|	|	|	|
1+10	0.0114	0.16	Q	|	|	|	|
1+15	0.0125	0.16	Q	|	|	|	|
1+20	0.0136	0.16	Q	|	|	|	|
1+25	0.0147	0.16	Q	|	|	|	|
1+30	0.0159	0.16	Q	|	|	|	|
1+35	0.0170	0.17	Q	|	|	|	|
1+40	0.0181	0.17	Q	|	|	|	|
1+45	0.0193	0.17	Q	|	|	|	|
1+50	0.0204	0.17	QV	|	|	|	|
1+55	0.0216	0.17	QV	|	|	|	|
2+ 0	0.0227	0.17	QV	|	|	|	|
2+ 5	0.0239	0.17	QV	|	|	|	|
2+10	0.0251	0.17	QV	|	|	|	|

2+15	0.0262	0.17	QV	|	|	|	|
2+20	0.0274	0.17	QV	|	|	|	|
2+25	0.0286	0.17	QV	|	|	|	|
2+30	0.0298	0.17	QV	|	|	|	|
2+35	0.0310	0.17	QV	|	|	|	|
2+40	0.0321	0.17	QV	|	|	|	|
2+45	0.0333	0.17	QV	|	|	|	|
2+50	0.0345	0.17	QV	|	|	|	|
2+55	0.0357	0.17	QV	|	|	|	|
3+ 0	0.0369	0.17	QV	|	|	|	|
3+ 5	0.0381	0.17	QV	|	|	|	|
3+10	0.0393	0.18	QV	|	|	|	|
3+15	0.0405	0.18	Q V	|	|	|	|
3+20	0.0418	0.18	Q V	|	|	|	|
3+25	0.0430	0.18	Q V	|	|	|	|
3+30	0.0442	0.18	Q V	|	|	|	|
3+35	0.0454	0.18	Q V	|	|	|	|
3+40	0.0467	0.18	Q V	|	|	|	|
3+45	0.0479	0.18	Q V	|	|	|	|
3+50	0.0491	0.18	Q V	|	|	|	|
3+55	0.0504	0.18	Q V	|	|	|	|
4+ 0	0.0516	0.18	Q V	|	|	|	|
4+ 5	0.0529	0.18	Q V	|	|	|	|
4+10	0.0541	0.18	Q V	|	|	|	|
4+15	0.0554	0.18	Q V	|	|	|	|
4+20	0.0567	0.18	Q V	|	|	|	|
4+25	0.0579	0.18	Q V	|	|	|	|
4+30	0.0592	0.19	Q V	|	|	|	|
4+35	0.0605	0.19	Q V	|	|	|	|
4+40	0.0618	0.19	Q V	|	|	|	|
4+45	0.0631	0.19	Q V	|	|	|	|
4+50	0.0644	0.19	Q V	|	|	|	|
4+55	0.0657	0.19	Q V	|	|	|	|
5+ 0	0.0670	0.19	Q V	|	|	|	|
5+ 5	0.0683	0.19	Q V	|	|	|	|
5+10	0.0696	0.19	Q V	|	|	|	|
5+15	0.0709	0.19	Q V	|	|	|	|
5+20	0.0722	0.19	Q V	|	|	|	|
5+25	0.0736	0.19	Q V	|	|	|	|
5+30	0.0749	0.19	Q V	|	|	|	|
5+35	0.0762	0.19	Q V	|	|	|	|
5+40	0.0776	0.19	Q V	|	|	|	|
5+45	0.0789	0.20	Q V	|	|	|	|
5+50	0.0803	0.20	Q V	|	|	|	|
5+55	0.0816	0.20	Q V	|	|	|	|
6+ 0	0.0830	0.20	Q V	|	|	|	|
6+ 5	0.0844	0.20	Q V	|	|	|	|
6+10	0.0857	0.20	Q V	|	|	|	|
6+15	0.0871	0.20	Q V	|	|	|	|
6+20	0.0885	0.20	Q V	|	|	|	|

6+25	0.0899	0.20	Q	V				
6+30	0.0913	0.20	Q	V				
6+35	0.0927	0.20	Q	V				
6+40	0.0941	0.20	Q	V				
6+45	0.0955	0.21	Q	V				
6+50	0.0969	0.21	Q	V				
6+55	0.0984	0.21	Q	V				
7+ 0	0.0998	0.21	Q	V				
7+ 5	0.1013	0.21	Q	V				
7+10	0.1027	0.21	Q	V				
7+15	0.1042	0.21	Q	V				
7+20	0.1056	0.21	Q	V				
7+25	0.1071	0.21	Q	V				
7+30	0.1086	0.21	Q	V				
7+35	0.1100	0.22	Q	V				
7+40	0.1115	0.22	Q	V				
7+45	0.1130	0.22	Q	V				
7+50	0.1145	0.22	Q	V				
7+55	0.1160	0.22	Q	V				
8+ 0	0.1176	0.22	Q	V				
8+ 5	0.1191	0.22	Q	V				
8+10	0.1206	0.22	Q	V				
8+15	0.1222	0.22	Q	V				
8+20	0.1237	0.23	Q	V				
8+25	0.1253	0.23	Q	V				
8+30	0.1268	0.23	Q	V				
8+35	0.1284	0.23	Q	V				
8+40	0.1300	0.23	Q	V				
8+45	0.1316	0.23	Q	V				
8+50	0.1332	0.23	Q	V				
8+55	0.1348	0.23	Q	V				
9+ 0	0.1364	0.24	Q	V				
9+ 5	0.1381	0.24	Q	V				
9+10	0.1397	0.24	Q	V				
9+15	0.1413	0.24	Q	V				
9+20	0.1430	0.24	Q	V				
9+25	0.1447	0.24	Q	V				
9+30	0.1463	0.24	Q	V				
9+35	0.1480	0.25	Q	V				
9+40	0.1497	0.25	Q	V				
9+45	0.1514	0.25	Q	V				
9+50	0.1532	0.25	Q	V				
9+55	0.1549	0.25	Q	V				
10+ 0	0.1566	0.25	Q	V				
10+ 5	0.1584	0.25	Q	V				
10+10	0.1601	0.26	Q	V				
10+15	0.1619	0.26	Q	V				
10+20	0.1637	0.26	Q	V				
10+25	0.1655	0.26	Q	V				
10+30	0.1673	0.26	Q	V				

```
10+35       0.1692      0.27  Q       V |          |          |          |
10+40       0.1710      0.27  Q       V |          |          |          |
10+45       0.1728      0.27  Q       V |          |          |          |
10+50       0.1747      0.27  Q       V |          |          |          |
10+55       0.1766      0.27  Q       V |          |          |          |
11+ 0       0.1785      0.28  Q       V |          |          |          |
11+ 5       0.1804      0.28  Q       V |          |          |          |
11+10       0.1823      0.28  Q        V|          |          |          |
11+15       0.1843      0.28  Q        V|          |          |          |
11+20       0.1862      0.28  Q        V|          |          |          |
11+25       0.1882      0.29  Q        V|          |          |          |
11+30       0.1902      0.29  Q        V|          |          |          |
11+35       0.1922      0.29  Q        V|          |          |          |
11+40       0.1943      0.29  Q        V|          |          |          |
11+45       0.1963      0.30  Q        V|          |          |          |
11+50       0.1984      0.30  Q        V|          |          |          |
11+55       0.2004      0.30  Q        V|          |          |          |
12+ 0       0.2026      0.31  Q         V          |          |          |
12+ 5       0.2047      0.31  Q         V          |          |          |
12+10       0.2068      0.31  Q         V          |          |          |
12+15       0.2089      0.31  Q         V          |          |          |
12+20       0.2110      0.30  Q         V          |          |          |
12+25       0.2131      0.31  Q         V          |          |          |
12+30       0.2152      0.31  Q         V          |          |          |
12+35       0.2174      0.31  Q         V          |          |          |
12+40       0.2195      0.31  Q         V          |          |          |
12+45       0.2217      0.32  Q         |V         |          |          |
12+50       0.2239      0.32  Q         |V         |          |          |
12+55       0.2262      0.32  Q         |V         |          |          |
13+ 0       0.2284      0.33  Q         |V         |          |          |
13+ 5       0.2307      0.33  Q         |V         |          |          |
13+10       0.2330      0.34  Q         |V         |          |          |
13+15       0.2354      0.34  Q         |V         |          |          |
13+20       0.2378      0.35  Q         |V         |          |          |
13+25       0.2402      0.35  Q         |V         |          |          |
13+30       0.2427      0.36  Q         | V        |          |          |
13+35       0.2452      0.36  Q         | V        |          |          |
13+40       0.2477      0.37  Q         | V        |          |          |
13+45       0.2503      0.38  Q         | V        |          |          |
13+50       0.2529      0.38  Q         | V        |          |          |
13+55       0.2556      0.39  Q         | V        |          |          |
14+ 0       0.2583      0.40  Q         | V        |          |          |
14+ 5       0.2611      0.40  Q         | V        |          |          |
14+10       0.2639      0.41  Q         |  V       |          |          |
14+15       0.2668      0.42  Q         |  V       |          |          |
14+20       0.2698      0.43  Q         |  V       |          |          |
14+25       0.2728      0.44  Q         |  V       |          |          |
14+30       0.2759      0.45  Q         |  V       |          |          |
14+35       0.2791      0.46  Q         |  V       |          |          |
14+40       0.2823      0.47  Q         |   V      |          |          |
```



18+55	0.7138	0.28	Q	|	|	|	V |
19+ 0	0.7157	0.28	Q	|	|	|	V |
19+ 5	0.7176	0.28	Q	|	|	|	V |
19+10	0.7195	0.27	Q	|	|	|	V |
19+15	0.7213	0.27	Q	|	|	|	V |
19+20	0.7231	0.26	Q	|	|	|	V |
19+25	0.7249	0.26	Q	|	|	|	V |
19+30	0.7267	0.26	Q	|	|	|	V |
19+35	0.7285	0.25	Q	|	|	|	V |
19+40	0.7302	0.25	Q	|	|	|	V |
19+45	0.7319	0.25	Q	|	|	|	V |
19+50	0.7336	0.24	Q	|	|	|	V |
19+55	0.7352	0.24	Q	|	|	|	V |
20+ 0	0.7369	0.24	Q	|	|	|	V |
20+ 5	0.7385	0.24	Q	|	|	|	V |
20+10	0.7401	0.23	Q	|	|	|	V |
20+15	0.7417	0.23	Q	|	|	|	V |
20+20	0.7433	0.23	Q	|	|	|	V |
20+25	0.7448	0.23	Q	|	|	|	V |
20+30	0.7463	0.22	Q	|	|	|	V |
20+35	0.7479	0.22	Q	|	|	|	V |
20+40	0.7494	0.22	Q	|	|	|	V |
20+45	0.7509	0.22	Q	|	|	|	V |
20+50	0.7523	0.21	Q	|	|	|	V |
20+55	0.7538	0.21	Q	|	|	|	V |
21+ 0	0.7553	0.21	Q	|	|	|	V |
21+ 5	0.7567	0.21	Q	|	|	|	V |
21+10	0.7581	0.21	Q	|	|	|	V |
21+15	0.7595	0.21	Q	|	|	|	V |
21+20	0.7609	0.20	Q	|	|	|	V |
21+25	0.7623	0.20	Q	|	|	|	V |
21+30	0.7637	0.20	Q	|	|	|	V |
21+35	0.7651	0.20	Q	|	|	|	V |
21+40	0.7664	0.20	Q	|	|	|	V |
21+45	0.7678	0.20	Q	|	|	|	V |
21+50	0.7691	0.19	Q	|	|	|	V |
21+55	0.7704	0.19	Q	|	|	|	V |
22+ 0	0.7717	0.19	Q	|	|	|	V |
22+ 5	0.7730	0.19	Q	|	|	|	V |
22+10	0.7743	0.19	Q	|	|	|	V |
22+15	0.7756	0.19	Q	|	|	|	V |
22+20	0.7769	0.19	Q	|	|	|	V |
22+25	0.7782	0.18	Q	|	|	|	V |
22+30	0.7794	0.18	Q	|	|	|	V |
22+35	0.7807	0.18	Q	|	|	|	V |
22+40	0.7819	0.18	Q	|	|	|	V |
22+45	0.7831	0.18	Q	|	|	|	V |
22+50	0.7844	0.18	Q	|	|	|	V |
22+55	0.7856	0.18	Q	|	|	|	V|
23+ 0	0.7868	0.18	Q	|	|	|	V|

23+ 5	0.7880	0.17	Q	|	|	|	V|
23+10	0.7892	0.17	Q	|	|	|	V|
23+15	0.7904	0.17	Q	|	|	|	V|
23+20	0.7915	0.17	Q	|	|	|	V|
23+25	0.7927	0.17	Q	|	|	|	V|
23+30	0.7939	0.17	Q	|	|	|	V|
23+35	0.7950	0.17	Q	|	|	|	V|
23+40	0.7962	0.17	Q	|	|	|	V|
23+45	0.7973	0.17	Q	|	|	|	V|
23+50	0.7985	0.17	Q	|	|	|	V|
23+55	0.7996	0.16	Q	|	|	|	V|
24+ 0	0.8007	0.16	Q	|	|	|	V|

Appendix D – Unit Hydrograph (Pre-Development)

- 100-Year Storm Event

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2004, Version 7.0

Study date 10/01/21

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
PREDEVELOPED 100 YR UNIT HYDROGRAPH SUBAREA A
MGUBBAREINER 2021-09-27
--

Storm Event Year = 100

Antecedent Moisture Condition = 3

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 100		
9.61	1	1.31
Rainfall data for year 100		
9.61	6	3.05
Rainfall data for year 100		
9.61	24	6.31

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 3)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	84.6	9.61	1.000	0.290	1.000	0.290

Area-averaged adjusted loss rate Fm (In/Hr) = 0.290

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC3)	S	Pervious Yield Fr
9.61	1.000	67.0	84.6	1.82	0.721

Area-averaged catchment yield fraction, Y = 0.721
Area-averaged low loss fraction, Yb = 0.279
User entry of time of concentration = 0.323 (hours)
++
Watershed area = 9.61(Ac.)
Catchment Lag time = 0.258 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 32.2497
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.290(In/Hr)
Average low loss rate fraction (Yb) = 0.279 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.622(In)
Computed peak 30-minute rainfall = 1.064(In)
Specified peak 1-hour rainfall = 1.310(In)
Computed peak 3-hour rainfall = 2.199(In)
Specified peak 6-hour rainfall = 3.050(In)
Specified peak 24-hour rainfall = 6.310(In)

Rainfall depth area reduction factors:
Using a total area of 9.61(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.621(In)
30-minute factor = 1.000 Adjusted rainfall = 1.064(In)
1-hour factor = 1.000 Adjusted rainfall = 1.309(In)
3-hour factor = 1.000 Adjusted rainfall = 2.199(In)
6-hour factor = 1.000 Adjusted rainfall = 3.050(In)
24-hour factor = 1.000 Adjusted rainfall = 6.310(In)

U n i t H y d r o g r a p h
++
Interval 'S' Graph Unit Hydrograph

Number	Mean values	((CFS))
	(K = 116.22 (CFS))	
1	1.968	2.287
2	11.006	10.504
3	35.541	28.514
4	56.083	23.874
5	67.112	12.818
6	74.342	8.403
7	79.546	6.049
8	83.410	4.491
9	86.558	3.658
10	89.053	2.899
11	90.960	2.216
12	92.593	1.898
13	93.980	1.612
14	95.102	1.304
15	96.058	1.111
16	96.865	0.938
17	97.478	0.713
18	97.943	0.541
19	98.271	0.381
20	98.646	0.436
21	99.033	0.450
22	99.412	0.440
23	99.660	0.288
24	99.862	0.234
25	100.000	0.161

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.6213	0.6213
2	0.7649	0.1436
3	0.8639	0.0989
4	0.9418	0.0779
5	1.0070	0.0652
6	1.0636	0.0566
7	1.1139	0.0503
8	1.1594	0.0455
9	1.2011	0.0417
10	1.2397	0.0386
11	1.2757	0.0360
12	1.3094	0.0337
13	1.3598	0.0504
14	1.4082	0.0484
15	1.4549	0.0466
16	1.4999	0.0450
17	1.5434	0.0435
18	1.5856	0.0422

19	1.6266	0.0410
20	1.6665	0.0399
21	1.7053	0.0388
22	1.7431	0.0379
23	1.7801	0.0370
24	1.8162	0.0361
25	1.8516	0.0353
26	1.8862	0.0346
27	1.9201	0.0339
28	1.9533	0.0332
29	1.9859	0.0326
30	2.0180	0.0320
31	2.0494	0.0315
32	2.0804	0.0309
33	2.1108	0.0304
34	2.1408	0.0300
35	2.1703	0.0295
36	2.1993	0.0291
37	2.2279	0.0286
38	2.2561	0.0282
39	2.2839	0.0278
40	2.3114	0.0274
41	2.3385	0.0271
42	2.3652	0.0267
43	2.3916	0.0264
44	2.4177	0.0261
45	2.4434	0.0258
46	2.4689	0.0255
47	2.4941	0.0252
48	2.5190	0.0249
49	2.5436	0.0246
50	2.5679	0.0244
51	2.5920	0.0241
52	2.6159	0.0239
53	2.6395	0.0236
54	2.6629	0.0234
55	2.6860	0.0231
56	2.7090	0.0229
57	2.7317	0.0227
58	2.7542	0.0225
59	2.7765	0.0223
60	2.7986	0.0221
61	2.8205	0.0219
62	2.8422	0.0217
63	2.8637	0.0215
64	2.8851	0.0214
65	2.9063	0.0212
66	2.9273	0.0210
67	2.9481	0.0208
68	2.9688	0.0207

69	2.9893	0.0205
70	3.0096	0.0204
71	3.0299	0.0202
72	3.0499	0.0201
73	3.0721	0.0221
74	3.0940	0.0220
75	3.1159	0.0219
76	3.1376	0.0217
77	3.1592	0.0216
78	3.1807	0.0215
79	3.2020	0.0213
80	3.2232	0.0212
81	3.2442	0.0211
82	3.2652	0.0209
83	3.2860	0.0208
84	3.3067	0.0207
85	3.3273	0.0206
86	3.3478	0.0205
87	3.3681	0.0204
88	3.3884	0.0202
89	3.4085	0.0201
90	3.4285	0.0200
91	3.4485	0.0199
92	3.4683	0.0198
93	3.4880	0.0197
94	3.5076	0.0196
95	3.5271	0.0195
96	3.5466	0.0194
97	3.5659	0.0193
98	3.5851	0.0192
99	3.6043	0.0191
100	3.6233	0.0190
101	3.6423	0.0190
102	3.6611	0.0189
103	3.6799	0.0188
104	3.6986	0.0187
105	3.7172	0.0186
106	3.7357	0.0185
107	3.7542	0.0184
108	3.7725	0.0184
109	3.7908	0.0183
110	3.8090	0.0182
111	3.8271	0.0181
112	3.8452	0.0180
113	3.8631	0.0180
114	3.8810	0.0179
115	3.8989	0.0178
116	3.9166	0.0177
117	3.9343	0.0177
118	3.9519	0.0176

119	3.9694	0.0175
120	3.9869	0.0175
121	4.0042	0.0174
122	4.0216	0.0173
123	4.0388	0.0173
124	4.0560	0.0172
125	4.0731	0.0171
126	4.0902	0.0171
127	4.1072	0.0170
128	4.1241	0.0169
129	4.1410	0.0169
130	4.1578	0.0168
131	4.1745	0.0167
132	4.1912	0.0167
133	4.2078	0.0166
134	4.2244	0.0166
135	4.2409	0.0165
136	4.2573	0.0164
137	4.2737	0.0164
138	4.2900	0.0163
139	4.3063	0.0163
140	4.3225	0.0162
141	4.3387	0.0162
142	4.3548	0.0161
143	4.3709	0.0161
144	4.3869	0.0160
145	4.4028	0.0160
146	4.4187	0.0159
147	4.4346	0.0158
148	4.4504	0.0158
149	4.4661	0.0157
150	4.4818	0.0157
151	4.4974	0.0156
152	4.5130	0.0156
153	4.5286	0.0155
154	4.5441	0.0155
155	4.5595	0.0155
156	4.5749	0.0154
157	4.5903	0.0154
158	4.6056	0.0153
159	4.6209	0.0153
160	4.6361	0.0152
161	4.6513	0.0152
162	4.6664	0.0151
163	4.6815	0.0151
164	4.6965	0.0150
165	4.7115	0.0150
166	4.7265	0.0150
167	4.7414	0.0149
168	4.7562	0.0149

169	4.7711	0.0148
170	4.7859	0.0148
171	4.8006	0.0147
172	4.8153	0.0147
173	4.8300	0.0147
174	4.8446	0.0146
175	4.8592	0.0146
176	4.8737	0.0145
177	4.8882	0.0145
178	4.9027	0.0145
179	4.9171	0.0144
180	4.9315	0.0144
181	4.9458	0.0143
182	4.9601	0.0143
183	4.9744	0.0143
184	4.9887	0.0142
185	5.0029	0.0142
186	5.0170	0.0142
187	5.0311	0.0141
188	5.0452	0.0141
189	5.0593	0.0141
190	5.0733	0.0140
191	5.0873	0.0140
192	5.1013	0.0140
193	5.1152	0.0139
194	5.1291	0.0139
195	5.1429	0.0138
196	5.1567	0.0138
197	5.1705	0.0138
198	5.1842	0.0137
199	5.1980	0.0137
200	5.2116	0.0137
201	5.2253	0.0136
202	5.2389	0.0136
203	5.2525	0.0136
204	5.2660	0.0136
205	5.2796	0.0135
206	5.2931	0.0135
207	5.3065	0.0135
208	5.3199	0.0134
209	5.3333	0.0134
210	5.3467	0.0134
211	5.3600	0.0133
212	5.3734	0.0133
213	5.3866	0.0133
214	5.3999	0.0132
215	5.4131	0.0132
216	5.4263	0.0132
217	5.4394	0.0132
218	5.4526	0.0131

219	5.4657	0.0131
220	5.4788	0.0131
221	5.4918	0.0130
222	5.5048	0.0130
223	5.5178	0.0130
224	5.5308	0.0130
225	5.5437	0.0129
226	5.5566	0.0129
227	5.5695	0.0129
228	5.5823	0.0129
229	5.5952	0.0128
230	5.6080	0.0128
231	5.6207	0.0128
232	5.6335	0.0127
233	5.6462	0.0127
234	5.6589	0.0127
235	5.6716	0.0127
236	5.6842	0.0126
237	5.6968	0.0126
238	5.7094	0.0126
239	5.7220	0.0126
240	5.7345	0.0125
241	5.7471	0.0125
242	5.7596	0.0125
243	5.7720	0.0125
244	5.7845	0.0124
245	5.7969	0.0124
246	5.8093	0.0124
247	5.8217	0.0124
248	5.8340	0.0123
249	5.8463	0.0123
250	5.8586	0.0123
251	5.8709	0.0123
252	5.8832	0.0123
253	5.8954	0.0122
254	5.9076	0.0122
255	5.9198	0.0122
256	5.9320	0.0122
257	5.9441	0.0121
258	5.9562	0.0121
259	5.9683	0.0121
260	5.9804	0.0121
261	5.9924	0.0121
262	6.0045	0.0120
263	6.0165	0.0120
264	6.0285	0.0120
265	6.0404	0.0120
266	6.0524	0.0119
267	6.0643	0.0119
268	6.0762	0.0119

269	6.0881	0.0119
270	6.0999	0.0119
271	6.1118	0.0118
272	6.1236	0.0118
273	6.1354	0.0118
274	6.1472	0.0118
275	6.1589	0.0118
276	6.1707	0.0117
277	6.1824	0.0117
278	6.1941	0.0117
279	6.2057	0.0117
280	6.2174	0.0117
281	6.2290	0.0116
282	6.2406	0.0116
283	6.2522	0.0116
284	6.2638	0.0116
285	6.2754	0.0116
286	6.2869	0.0115
287	6.2984	0.0115
288	6.3099	0.0115

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0115	0.0032	0.0083
2	0.0115	0.0032	0.0083
3	0.0116	0.0032	0.0083
4	0.0116	0.0032	0.0084
5	0.0116	0.0032	0.0084
6	0.0116	0.0032	0.0084
7	0.0117	0.0033	0.0084
8	0.0117	0.0033	0.0084
9	0.0117	0.0033	0.0085
10	0.0118	0.0033	0.0085
11	0.0118	0.0033	0.0085
12	0.0118	0.0033	0.0085
13	0.0119	0.0033	0.0086
14	0.0119	0.0033	0.0086
15	0.0119	0.0033	0.0086
16	0.0119	0.0033	0.0086
17	0.0120	0.0033	0.0086
18	0.0120	0.0033	0.0087
19	0.0121	0.0034	0.0087
20	0.0121	0.0034	0.0087
21	0.0121	0.0034	0.0087
22	0.0121	0.0034	0.0088
23	0.0122	0.0034	0.0088
24	0.0122	0.0034	0.0088
25	0.0123	0.0034	0.0088

26	0.0123	0.0034	0.0089
27	0.0123	0.0034	0.0089
28	0.0123	0.0034	0.0089
29	0.0124	0.0035	0.0089
30	0.0124	0.0035	0.0090
31	0.0125	0.0035	0.0090
32	0.0125	0.0035	0.0090
33	0.0125	0.0035	0.0090
34	0.0126	0.0035	0.0091
35	0.0126	0.0035	0.0091
36	0.0126	0.0035	0.0091
37	0.0127	0.0035	0.0092
38	0.0127	0.0035	0.0092
39	0.0128	0.0036	0.0092
40	0.0128	0.0036	0.0092
41	0.0129	0.0036	0.0093
42	0.0129	0.0036	0.0093
43	0.0129	0.0036	0.0093
44	0.0130	0.0036	0.0094
45	0.0130	0.0036	0.0094
46	0.0130	0.0036	0.0094
47	0.0131	0.0036	0.0095
48	0.0131	0.0037	0.0095
49	0.0132	0.0037	0.0095
50	0.0132	0.0037	0.0095
51	0.0133	0.0037	0.0096
52	0.0133	0.0037	0.0096
53	0.0134	0.0037	0.0096
54	0.0134	0.0037	0.0097
55	0.0135	0.0037	0.0097
56	0.0135	0.0038	0.0097
57	0.0136	0.0038	0.0098
58	0.0136	0.0038	0.0098
59	0.0136	0.0038	0.0098
60	0.0137	0.0038	0.0099
61	0.0137	0.0038	0.0099
62	0.0138	0.0038	0.0099
63	0.0138	0.0039	0.0100
64	0.0139	0.0039	0.0100
65	0.0140	0.0039	0.0101
66	0.0140	0.0039	0.0101
67	0.0141	0.0039	0.0101
68	0.0141	0.0039	0.0102
69	0.0142	0.0039	0.0102
70	0.0142	0.0040	0.0102
71	0.0143	0.0040	0.0103
72	0.0143	0.0040	0.0103
73	0.0144	0.0040	0.0104
74	0.0144	0.0040	0.0104
75	0.0145	0.0040	0.0105

76	0.0145	0.0041	0.0105
77	0.0146	0.0041	0.0105
78	0.0147	0.0041	0.0106
79	0.0147	0.0041	0.0106
80	0.0148	0.0041	0.0107
81	0.0149	0.0041	0.0107
82	0.0149	0.0042	0.0108
83	0.0150	0.0042	0.0108
84	0.0150	0.0042	0.0109
85	0.0151	0.0042	0.0109
86	0.0152	0.0042	0.0109
87	0.0153	0.0043	0.0110
88	0.0153	0.0043	0.0110
89	0.0154	0.0043	0.0111
90	0.0155	0.0043	0.0111
91	0.0155	0.0043	0.0112
92	0.0156	0.0043	0.0113
93	0.0157	0.0044	0.0113
94	0.0157	0.0044	0.0114
95	0.0158	0.0044	0.0114
96	0.0159	0.0044	0.0115
97	0.0160	0.0045	0.0115
98	0.0161	0.0045	0.0116
99	0.0162	0.0045	0.0117
100	0.0162	0.0045	0.0117
101	0.0163	0.0045	0.0118
102	0.0164	0.0046	0.0118
103	0.0165	0.0046	0.0119
104	0.0166	0.0046	0.0119
105	0.0167	0.0046	0.0120
106	0.0167	0.0047	0.0121
107	0.0169	0.0047	0.0122
108	0.0169	0.0047	0.0122
109	0.0171	0.0048	0.0123
110	0.0171	0.0048	0.0124
111	0.0173	0.0048	0.0124
112	0.0173	0.0048	0.0125
113	0.0175	0.0049	0.0126
114	0.0175	0.0049	0.0126
115	0.0177	0.0049	0.0127
116	0.0177	0.0049	0.0128
117	0.0179	0.0050	0.0129
118	0.0180	0.0050	0.0130
119	0.0181	0.0050	0.0131
120	0.0182	0.0051	0.0131
121	0.0184	0.0051	0.0132
122	0.0184	0.0051	0.0133
123	0.0186	0.0052	0.0134
124	0.0187	0.0052	0.0135
125	0.0189	0.0053	0.0136

126	0.0190	0.0053	0.0137
127	0.0191	0.0053	0.0138
128	0.0192	0.0054	0.0139
129	0.0194	0.0054	0.0140
130	0.0195	0.0054	0.0141
131	0.0197	0.0055	0.0142
132	0.0198	0.0055	0.0143
133	0.0200	0.0056	0.0145
134	0.0201	0.0056	0.0145
135	0.0204	0.0057	0.0147
136	0.0205	0.0057	0.0148
137	0.0207	0.0058	0.0149
138	0.0208	0.0058	0.0150
139	0.0211	0.0059	0.0152
140	0.0212	0.0059	0.0153
141	0.0215	0.0060	0.0155
142	0.0216	0.0060	0.0156
143	0.0219	0.0061	0.0158
144	0.0220	0.0061	0.0159
145	0.0201	0.0056	0.0145
146	0.0202	0.0056	0.0146
147	0.0205	0.0057	0.0148
148	0.0207	0.0058	0.0149
149	0.0210	0.0059	0.0152
150	0.0212	0.0059	0.0153
151	0.0215	0.0060	0.0155
152	0.0217	0.0060	0.0157
153	0.0221	0.0062	0.0159
154	0.0223	0.0062	0.0161
155	0.0227	0.0063	0.0164
156	0.0229	0.0064	0.0165
157	0.0234	0.0065	0.0169
158	0.0236	0.0066	0.0170
159	0.0241	0.0067	0.0174
160	0.0244	0.0068	0.0176
161	0.0249	0.0069	0.0180
162	0.0252	0.0070	0.0182
163	0.0258	0.0072	0.0186
164	0.0261	0.0073	0.0188
165	0.0267	0.0074	0.0193
166	0.0271	0.0075	0.0195
167	0.0278	0.0077	0.0201
168	0.0282	0.0079	0.0203
169	0.0291	0.0081	0.0210
170	0.0295	0.0082	0.0213
171	0.0304	0.0085	0.0220
172	0.0309	0.0086	0.0223
173	0.0320	0.0089	0.0231
174	0.0326	0.0091	0.0235
175	0.0339	0.0094	0.0245

176	0.0346	0.0096	0.0250
177	0.0361	0.0101	0.0261
178	0.0370	0.0103	0.0267
179	0.0388	0.0108	0.0280
180	0.0399	0.0111	0.0288
181	0.0422	0.0118	0.0305
182	0.0435	0.0121	0.0314
183	0.0466	0.0130	0.0336
184	0.0484	0.0135	0.0349
185	0.0337	0.0094	0.0243
186	0.0360	0.0100	0.0259
187	0.0417	0.0116	0.0301
188	0.0455	0.0127	0.0328
189	0.0566	0.0158	0.0408
190	0.0652	0.0182	0.0470
191	0.0989	0.0242	0.0748
192	0.1436	0.0242	0.1195
193	0.6213	0.0242	0.5972
194	0.0779	0.0217	0.0562
195	0.0503	0.0140	0.0363
196	0.0386	0.0107	0.0278
197	0.0504	0.0140	0.0364
198	0.0450	0.0125	0.0325
199	0.0410	0.0114	0.0296
200	0.0379	0.0105	0.0273
201	0.0353	0.0098	0.0255
202	0.0332	0.0093	0.0240
203	0.0315	0.0088	0.0227
204	0.0300	0.0083	0.0216
205	0.0286	0.0080	0.0206
206	0.0274	0.0076	0.0198
207	0.0264	0.0074	0.0190
208	0.0255	0.0071	0.0184
209	0.0246	0.0069	0.0178
210	0.0239	0.0066	0.0172
211	0.0231	0.0064	0.0167
212	0.0225	0.0063	0.0162
213	0.0219	0.0061	0.0158
214	0.0214	0.0059	0.0154
215	0.0208	0.0058	0.0150
216	0.0204	0.0057	0.0147
217	0.0221	0.0062	0.0160
218	0.0217	0.0061	0.0157
219	0.0213	0.0059	0.0154
220	0.0209	0.0058	0.0151
221	0.0206	0.0057	0.0149
222	0.0202	0.0056	0.0146
223	0.0199	0.0056	0.0144
224	0.0196	0.0055	0.0142
225	0.0193	0.0054	0.0139

226	0.0190	0.0053	0.0137
227	0.0188	0.0052	0.0135
228	0.0185	0.0052	0.0134
229	0.0183	0.0051	0.0132
230	0.0180	0.0050	0.0130
231	0.0178	0.0050	0.0129
232	0.0176	0.0049	0.0127
233	0.0174	0.0048	0.0125
234	0.0172	0.0048	0.0124
235	0.0170	0.0047	0.0123
236	0.0168	0.0047	0.0121
237	0.0166	0.0046	0.0120
238	0.0164	0.0046	0.0119
239	0.0163	0.0045	0.0117
240	0.0161	0.0045	0.0116
241	0.0160	0.0044	0.0115
242	0.0158	0.0044	0.0114
243	0.0156	0.0044	0.0113
244	0.0155	0.0043	0.0112
245	0.0154	0.0043	0.0111
246	0.0152	0.0042	0.0110
247	0.0151	0.0042	0.0109
248	0.0150	0.0042	0.0108
249	0.0148	0.0041	0.0107
250	0.0147	0.0041	0.0106
251	0.0146	0.0041	0.0105
252	0.0145	0.0040	0.0104
253	0.0143	0.0040	0.0104
254	0.0142	0.0040	0.0103
255	0.0141	0.0039	0.0102
256	0.0140	0.0039	0.0101
257	0.0139	0.0039	0.0100
258	0.0138	0.0038	0.0100
259	0.0137	0.0038	0.0099
260	0.0136	0.0038	0.0098
261	0.0135	0.0038	0.0098
262	0.0134	0.0037	0.0097
263	0.0133	0.0037	0.0096
264	0.0132	0.0037	0.0096
265	0.0132	0.0037	0.0095
266	0.0131	0.0036	0.0094
267	0.0130	0.0036	0.0094
268	0.0129	0.0036	0.0093
269	0.0128	0.0036	0.0093
270	0.0127	0.0036	0.0092
271	0.0127	0.0035	0.0091
272	0.0126	0.0035	0.0091
273	0.0125	0.0035	0.0090
274	0.0124	0.0035	0.0090
275	0.0124	0.0034	0.0089

276	0.0123	0.0034	0.0089
277	0.0122	0.0034	0.0088
278	0.0122	0.0034	0.0088
279	0.0121	0.0034	0.0087
280	0.0120	0.0034	0.0087
281	0.0120	0.0033	0.0086
282	0.0119	0.0033	0.0086
283	0.0118	0.0033	0.0085
284	0.0118	0.0033	0.0085
285	0.0117	0.0033	0.0085
286	0.0117	0.0032	0.0084
287	0.0116	0.0032	0.0084
288	0.0115	0.0032	0.0083

Total soil rain loss = 1.59(In)
Total effective rainfall = 4.72(In)
Peak flow rate in flood hydrograph = 22.85(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

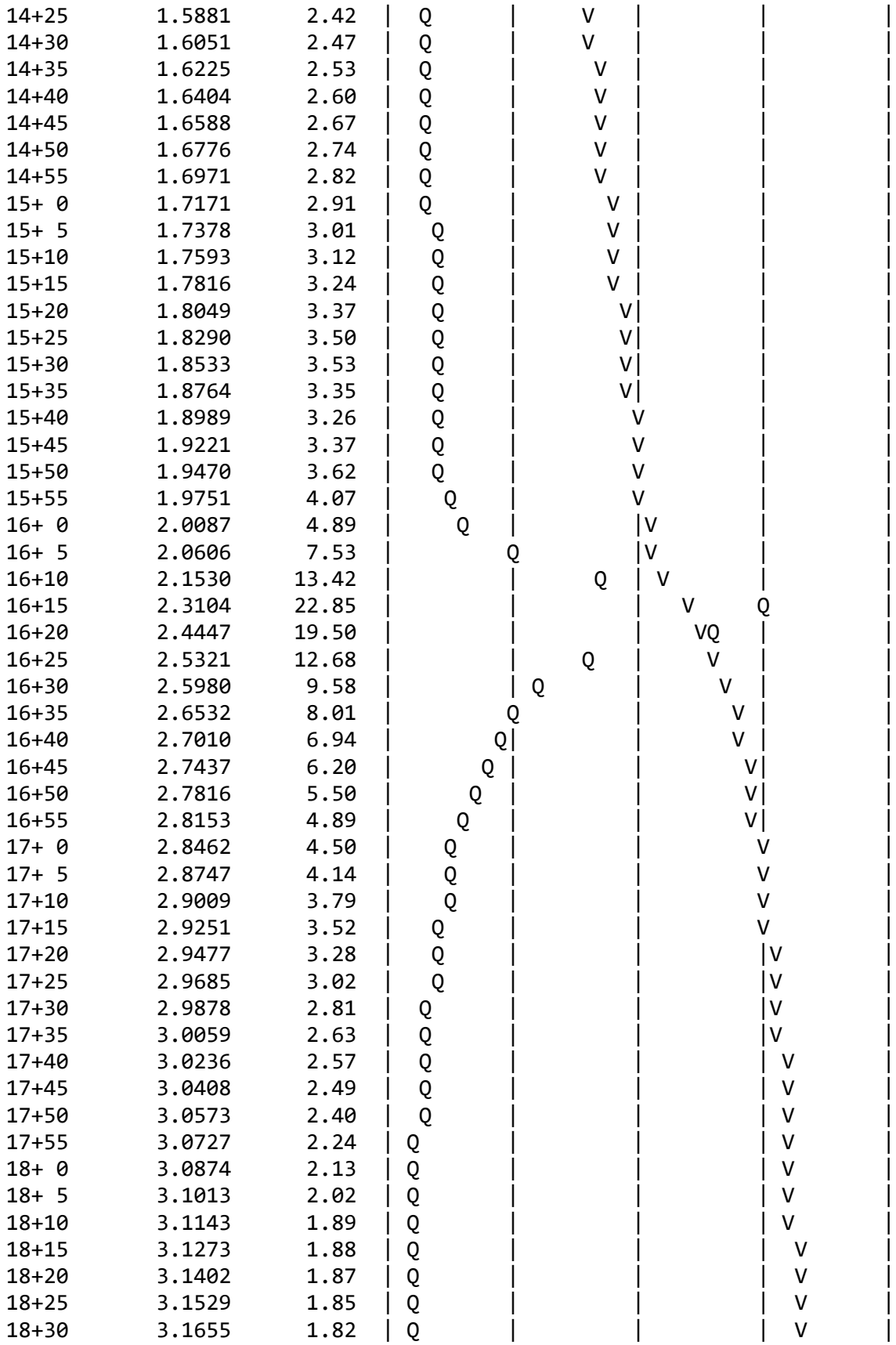
Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0001	0.02	Q	|	|	|	|
0+10	0.0009	0.11	Q	|	|	|	|
0+15	0.0032	0.34	Q	|	|	|	|
0+20	0.0070	0.54	Q	|	|	|	|
0+25	0.0114	0.65	Q	|	|	|	|
0+30	0.0164	0.72	Q	|	|	|	|
0+35	0.0217	0.77	VQ	|	|	|	|
0+40	0.0273	0.81	VQ	|	|	|	|
0+45	0.0331	0.84	VQ	|	|	|	|
0+50	0.0391	0.87	VQ	|	|	|	|
0+55	0.0452	0.89	VQ	|	|	|	|
1+ 0	0.0515	0.91	VQ	|	|	|	|
1+ 5	0.0579	0.92	VQ	|	|	|	|
1+10	0.0643	0.94	VQ	|	|	|	|
1+15	0.0709	0.95	VQ	|	|	|	|
1+20	0.0775	0.96	VQ	|	|	|	|
1+25	0.0842	0.97	VQ	|	|	|	|
1+30	0.0909	0.98	VQ	|	|	|	|
1+35	0.0976	0.98	|Q	|	|	|	|
1+40	0.1044	0.99	|Q	|	|	|	|
1+45	0.1113	0.99	|Q	|	|	|	|
1+50	0.1182	1.00	|Q	|	|	|	|

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1+55       0.1251      1.01  |Q         |          |          |          |
2+ 0       0.1320      1.01  |Q         |          |          |          |
2+ 5       0.1390      1.01  |Q         |          |          |          |
2+10       0.1460      1.02  |Q         |          |          |          |
2+15       0.1531      1.02  |Q         |          |          |          |
2+20       0.1601      1.02  |Q         |          |          |          |
2+25       0.1672      1.03  |Q         |          |          |          |
2+30       0.1742      1.03  |Q         |          |          |          |
2+35       0.1813      1.03  |Q         |          |          |          |
2+40       0.1885      1.03  |Q         |          |          |          |
2+45       0.1956      1.04  |QV        |          |          |          |
2+50       0.2028      1.04  |QV        |          |          |          |
2+55       0.2100      1.04  |QV        |          |          |          |
3+ 0       0.2172      1.05  |QV        |          |          |          |
3+ 5       0.2244      1.05  |QV        |          |          |          |
3+10       0.2317      1.05  |QV        |          |          |          |
3+15       0.2389      1.06  |QV        |          |          |          |
3+20       0.2462      1.06  |QV        |          |          |          |
3+25       0.2535      1.06  |QV        |          |          |          |
3+30       0.2609      1.07  |QV        |          |          |          |
3+35       0.2682      1.07  |QV        |          |          |          |
3+40       0.2756      1.07  |QV        |          |          |          |
3+45       0.2830      1.08  |QV        |          |          |          |
3+50       0.2904      1.08  |Q V       |          |          |          |
3+55       0.2979      1.08  |Q V       |          |          |          |
4+ 0       0.3054      1.09  |Q V       |          |          |          |
4+ 5       0.3129      1.09  |Q V       |          |          |          |
4+10       0.3204      1.09  |Q V       |          |          |          |
4+15       0.3280      1.10  |Q V       |          |          |          |
4+20       0.3355      1.10  |Q V       |          |          |          |
4+25       0.3431      1.10  |Q V       |          |          |          |
4+30       0.3508      1.11  |Q V       |          |          |          |
4+35       0.3584      1.11  |Q V       |          |          |          |
4+40       0.3661      1.11  |Q V       |          |          |          |
4+45       0.3738      1.12  |Q V       |          |          |          |
4+50       0.3815      1.12  |Q  V      |          |          |          |
4+55       0.3893      1.13  |Q  V      |          |          |          |
5+ 0       0.3970      1.13  |Q  V      |          |          |          |
5+ 5       0.4048      1.13  |Q  V      |          |          |          |
5+10       0.4127      1.14  |Q  V      |          |          |          |
5+15       0.4205      1.14  |Q  V      |          |          |          |
5+20       0.4284      1.15  |Q  V      |          |          |          |
5+25       0.4364      1.15  |Q  V      |          |          |          |
5+30       0.4443      1.15  |Q  V      |          |          |          |
5+35       0.4523      1.16  |Q  V      |          |          |          |
5+40       0.4603      1.16  |Q  V      |          |          |          |
5+45       0.4683      1.17  |Q  V      |          |          |          |
5+50       0.4764      1.17  |Q   V     |          |          |          |
5+55       0.4845      1.18  |Q   V     |          |          |          |
6+ 0       0.4926      1.18  |Q   V     |          |          |          |
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 6+ 5       0.5008      1.18  |Q   V    |          |          |          |
 6+10       0.5090      1.19  |Q   V    |          |          |          |
 6+15       0.5172      1.19  |Q   V    |          |          |          |
 6+20       0.5254      1.20  |Q   V    |          |          |          |
 6+25       0.5337      1.20  |Q   V    |          |          |          |
 6+30       0.5420      1.21  |Q   V    |          |          |          |
 6+35       0.5504      1.21  |Q   V    |          |          |          |
 6+40       0.5588      1.22  |Q   V    |          |          |          |
 6+45       0.5672      1.22  |Q    V   |          |          |          |
 6+50       0.5757      1.23  |Q    V   |          |          |          |
 6+55       0.5841      1.23  |Q    V   |          |          |          |
 7+ 0       0.5927      1.24  |Q    V   |          |          |          |
 7+ 5       0.6012      1.24  |Q    V   |          |          |          |
 7+10       0.6098      1.25  |Q    V   |          |          |          |
 7+15       0.6185      1.25  |Q    V   |          |          |          |
 7+20       0.6271      1.26  |Q    V   |          |          |          |
 7+25       0.6358      1.26  |Q    V   |          |          |          |
 7+30       0.6446      1.27  |Q    V   |          |          |          |
 7+35       0.6534      1.28  |Q    V   |          |          |          |
 7+40       0.6622      1.28  |Q     V  |          |          |          |
 7+45       0.6711      1.29  |Q     V  |          |          |          |
 7+50       0.6800      1.29  |Q     V  |          |          |          |
 7+55       0.6889      1.30  |Q     V  |          |          |          |
 8+ 0       0.6979      1.31  |Q     V  |          |          |          |
 8+ 5       0.7070      1.31  |Q     V  |          |          |          |
 8+10       0.7160      1.32  |Q     V  |          |          |          |
 8+15       0.7252      1.32  |Q     V  |          |          |          |
 8+20       0.7343      1.33  |Q     V  |          |          |          |
 8+25       0.7435      1.34  |Q     V  |          |          |          |
 8+30       0.7528      1.34  |Q     V  |          |          |          |
 8+35       0.7621      1.35  |Q      V |          |          |          |
 8+40       0.7715      1.36  |Q      V |          |          |          |
 8+45       0.7809      1.36  |Q      V |          |          |          |
 8+50       0.7903      1.37  |Q      V |          |          |          |
 8+55       0.7998      1.38  |Q      V |          |          |          |
 9+ 0       0.8093      1.39  |Q      V |          |          |          |
 9+ 5       0.8189      1.39  |Q      V |          |          |          |
 9+10       0.8286      1.40  |Q      V |          |          |          |
 9+15       0.8383      1.41  |Q      V |          |          |          |
 9+20       0.8481      1.42  |Q      V |          |          |          |
 9+25       0.8579      1.43  |Q       V|          |          |          |
 9+30       0.8677      1.43  |Q       V|          |          |          |
 9+35       0.8777      1.44  |Q       V|          |          |          |
 9+40       0.8877      1.45  |Q       V|          |          |          |
 9+45       0.8977      1.46  |Q       V|          |          |          |
 9+50       0.9078      1.47  |Q       V|          |          |          |
 9+55       0.9180      1.48  |Q       V|          |          |          |
10+ 0       0.9282      1.49  |Q       V|          |          |          |
10+ 5       0.9385      1.49  |Q       V|          |          |          |
10+10       0.9488      1.50  | Q       V          |          |          |
```

```
10+15       0.9593      1.51  | Q       V         |         |         |
10+20       0.9698      1.52  | Q       V         |         |         |
10+25       0.9803      1.53  | Q       V         |         |         |
10+30       0.9909      1.54  | Q       V         |         |         |
10+35       1.0017      1.55  | Q       V         |         |         |
10+40       1.0124      1.56  | Q       V         |         |         |
10+45       1.0233      1.58  | Q       V         |         |         |
10+50       1.0342      1.59  | Q       V         |         |         |
10+55       1.0452      1.60  | Q       |V        |         |         |
11+ 0       1.0563      1.61  | Q       |V        |         |         |
11+ 5       1.0675      1.62  | Q       |V        |         |         |
11+10       1.0787      1.63  | Q       |V        |         |         |
11+15       1.0900      1.65  | Q       |V        |         |         |
11+20       1.1015      1.66  | Q       |V        |         |         |
11+25       1.1130      1.67  | Q       |V        |         |         |
11+30       1.1246      1.69  | Q       |V        |         |         |
11+35       1.1363      1.70  | Q       | V       |         |         |
11+40       1.1481      1.71  | Q       | V       |         |         |
11+45       1.1600      1.73  | Q       | V       |         |         |
11+50       1.1720      1.74  | Q       | V       |         |         |
11+55       1.1841      1.76  | Q       | V       |         |         |
12+ 0       1.1963      1.77  | Q       | V       |         |         |
12+ 5       1.2086      1.79  | Q       | V       |         |         |
12+10       1.2209      1.79  | Q       | V       |         |         |
12+15       1.2330      1.76  | Q       |  V      |         |         |
12+20       1.2449      1.74  | Q       |  V      |         |         |
12+25       1.2569      1.73  | Q       |  V      |         |         |
12+30       1.2689      1.74  | Q       |  V      |         |         |
12+35       1.2809      1.75  | Q       |  V      |         |         |
12+40       1.2930      1.76  | Q       |  V      |         |         |
12+45       1.3052      1.78  | Q       |  V      |         |         |
12+50       1.3176      1.79  | Q       |  V      |         |         |
12+55       1.3301      1.81  | Q       |   V     |         |         |
13+ 0       1.3427      1.83  | Q       |   V     |         |         |
13+ 5       1.3554      1.85  | Q       |   V     |         |         |
13+10       1.3683      1.87  | Q       |   V     |         |         |
13+15       1.3814      1.90  | Q       |   V     |         |         |
13+20       1.3947      1.92  | Q       |   V     |         |         |
13+25       1.4081      1.95  | Q       |   V     |         |         |
13+30       1.4217      1.98  | Q       |    V    |         |         |
13+35       1.4356      2.01  | Q       |    V    |         |         |
13+40       1.4496      2.04  | Q       |    V    |         |         |
13+45       1.4639      2.07  | Q       |    V    |         |         |
13+50       1.4784      2.11  | Q       |    V    |         |         |
13+55       1.4932      2.15  | Q       |    V    |         |         |
14+ 0       1.5082      2.18  | Q       |    V    |         |         |
14+ 5       1.5236      2.22  | Q       |     V   |         |         |
14+10       1.5392      2.27  |  Q      |     V   |         |         |
14+15       1.5551      2.32  |  Q      |     V   |         |         |
14+20       1.5714      2.36  |  Q      |     V   |         |         |
```



18+35	3.1778	1.79	Q			V	
18+40	3.1900	1.77	Q			V	
18+45	3.2020	1.74	Q			V	
18+50	3.2138	1.71	Q			V	
18+55	3.2254	1.69	Q			V	
19+ 0	3.2368	1.66	Q			V	
19+ 5	3.2481	1.64	Q			V	
19+10	3.2592	1.61	Q			V	
19+15	3.2701	1.59	Q			V	
19+20	3.2810	1.57	Q			V	
19+25	3.2916	1.55	Q			V	
19+30	3.3022	1.53	Q			V	
19+35	3.3126	1.51	Q			V	
19+40	3.3228	1.49	Q			V	
19+45	3.3330	1.47	Q			V	
19+50	3.3430	1.46	Q			V	
19+55	3.3529	1.44	Q			V	
20+ 0	3.3627	1.42	Q			V	
20+ 5	3.3724	1.41	Q			V	
20+10	3.3820	1.39	Q			V	
20+15	3.3915	1.38	Q			V	
20+20	3.4009	1.36	Q			V	
20+25	3.4102	1.35	Q			V	
20+30	3.4194	1.34	Q			V	
20+35	3.4285	1.32	Q			V	
20+40	3.4375	1.31	Q			V	
20+45	3.4464	1.30	Q			V	
20+50	3.4553	1.29	Q			V	
20+55	3.4641	1.27	Q			V	
21+ 0	3.4728	1.26	Q			V	
21+ 5	3.4814	1.25	Q			V	
21+10	3.4899	1.24	Q			V	
21+15	3.4984	1.23	Q			V	
21+20	3.5068	1.22	Q			V	
21+25	3.5152	1.21	Q			V	
21+30	3.5234	1.20	Q			V	
21+35	3.5317	1.19	Q			V	
21+40	3.5398	1.18	Q			V	
21+45	3.5479	1.17	Q			V	
21+50	3.5559	1.17	Q			V	
21+55	3.5639	1.16	Q			V	
22+ 0	3.5718	1.15	Q			V	
22+ 5	3.5796	1.14	Q			V	
22+10	3.5874	1.13	Q			V	
22+15	3.5952	1.12	Q			V	
22+20	3.6029	1.12	Q			V	
22+25	3.6105	1.11	Q			V	
22+30	3.6181	1.10	Q			V	
22+35	3.6256	1.09	Q			V	
22+40	3.6331	1.09	Q			V	

22+45	3.6406	1.08	Q				V
22+50	3.6480	1.07	Q				V
22+55	3.6553	1.07	Q				V
23+ 0	3.6626	1.06	Q				V
23+ 5	3.6699	1.05	Q				V
23+10	3.6771	1.05	Q				V
23+15	3.6843	1.04	Q				V
23+20	3.6914	1.04	Q				V
23+25	3.6985	1.03	Q				V
23+30	3.7056	1.02	Q				V
23+35	3.7126	1.02	Q				V
23+40	3.7195	1.01	Q				V
23+45	3.7265	1.01	Q				V
23+50	3.7334	1.00	Q				V
23+55	3.7402	1.00	Q				V
24+ 0	3.7471	0.99	Q				V

U n i t H y d r o g r a p h A n a l y s i s

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Study date 10/01/21

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
PREDEVELOPED 100 YR UNIT HYDROGRAPH SUBAREA B
MGUBBAREINER 2021-09-27
--

Storm Event Year = 100

Antecedent Moisture Condition = 3

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 100		
8.25	1	1.31
Rainfall data for year 100		
8.25	6	3.05
Rainfall data for year 100		
8.25	24	6.31

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 3)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	84.6	8.25	1.000	0.290	1.000	0.290

Area-averaged adjusted loss rate Fm (In/Hr) = 0.290

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC3)	S	Pervious Yield Fr
8.25	1.000	67.0	84.6	1.82	0.721

Area-averaged catchment yield fraction, Y = 0.721
Area-averaged low loss fraction, Yb = 0.279
User entry of time of concentration = 0.261 (hours)
++
Watershed area = 8.25(Ac.)
Catchment Lag time = 0.209 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 39.9106
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.290(In/Hr)
Average low loss rate fraction (Yb) = 0.279 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.622(In)
Computed peak 30-minute rainfall = 1.064(In)
Specified peak 1-hour rainfall = 1.310(In)
Computed peak 3-hour rainfall = 2.199(In)
Specified peak 6-hour rainfall = 3.050(In)
Specified peak 24-hour rainfall = 6.310(In)

Rainfall depth area reduction factors:
Using a total area of 8.25(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.621(In)
30-minute factor = 1.000 Adjusted rainfall = 1.064(In)
1-hour factor = 1.000 Adjusted rainfall = 1.309(In)
3-hour factor = 1.000 Adjusted rainfall = 2.199(In)
6-hour factor = 1.000 Adjusted rainfall = 3.050(In)
24-hour factor = 1.000 Adjusted rainfall = 6.310(In)

U n i t H y d r o g r a p h
++
Interval 'S' Graph Unit Hydrograph

Number	Mean values ((CFS))	
	(K = 99.77 (CFS))	
1	2.738	2.732
2	18.596	15.822
3	49.023	30.358
4	65.535	16.474
5	74.720	9.164
6	80.812	6.079
7	85.184	4.362
8	88.553	3.362
9	90.987	2.429
10	92.970	1.978
11	94.548	1.574
12	95.821	1.270
13	96.835	1.012
14	97.591	0.754
15	98.087	0.495
16	98.523	0.435
17	99.002	0.478
18	99.457	0.454
19	99.740	0.282
20	100.000	0.260

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.6214	0.6214
2	0.7650	0.1436
3	0.8639	0.0989
4	0.9418	0.0779
5	1.0070	0.0652
6	1.0636	0.0566
7	1.1140	0.0503
8	1.1595	0.0455
9	1.2012	0.0417
10	1.2398	0.0386
11	1.2758	0.0360
12	1.3095	0.0337
13	1.3599	0.0504
14	1.4083	0.0484
15	1.4549	0.0466
16	1.4999	0.0450
17	1.5435	0.0435
18	1.5857	0.0422
19	1.6267	0.0410
20	1.6665	0.0399
21	1.7053	0.0388
22	1.7432	0.0379
23	1.7802	0.0370

24	1.8163	0.0361
25	1.8516	0.0353
26	1.8862	0.0346
27	1.9201	0.0339
28	1.9533	0.0332
29	1.9860	0.0326
30	2.0180	0.0320
31	2.0495	0.0315
32	2.0804	0.0309
33	2.1108	0.0304
34	2.1408	0.0300
35	2.1703	0.0295
36	2.1993	0.0290
37	2.2279	0.0286
38	2.2562	0.0282
39	2.2840	0.0278
40	2.3114	0.0274
41	2.3385	0.0271
42	2.3652	0.0267
43	2.3916	0.0264
44	2.4177	0.0261
45	2.4435	0.0258
46	2.4689	0.0255
47	2.4941	0.0252
48	2.5190	0.0249
49	2.5436	0.0246
50	2.5680	0.0244
51	2.5921	0.0241
52	2.6159	0.0239
53	2.6395	0.0236
54	2.6629	0.0234
55	2.6860	0.0231
56	2.7090	0.0229
57	2.7317	0.0227
58	2.7542	0.0225
59	2.7765	0.0223
60	2.7986	0.0221
61	2.8205	0.0219
62	2.8422	0.0217
63	2.8637	0.0215
64	2.8851	0.0214
65	2.9063	0.0212
66	2.9273	0.0210
67	2.9481	0.0208
68	2.9688	0.0207
69	2.9893	0.0205
70	3.0097	0.0204
71	3.0299	0.0202
72	3.0499	0.0201
73	3.0721	0.0221

74	3.0941	0.0220
75	3.1159	0.0219
76	3.1376	0.0217
77	3.1592	0.0216
78	3.1807	0.0215
79	3.2020	0.0213
80	3.2232	0.0212
81	3.2443	0.0211
82	3.2652	0.0209
83	3.2860	0.0208
84	3.3067	0.0207
85	3.3273	0.0206
86	3.3478	0.0205
87	3.3681	0.0204
88	3.3884	0.0202
89	3.4085	0.0201
90	3.4286	0.0200
91	3.4485	0.0199
92	3.4683	0.0198
93	3.4880	0.0197
94	3.5076	0.0196
95	3.5272	0.0195
96	3.5466	0.0194
97	3.5659	0.0193
98	3.5851	0.0192
99	3.6043	0.0191
100	3.6233	0.0190
101	3.6423	0.0190
102	3.6611	0.0189
103	3.6799	0.0188
104	3.6986	0.0187
105	3.7172	0.0186
106	3.7358	0.0185
107	3.7542	0.0184
108	3.7726	0.0184
109	3.7908	0.0183
110	3.8090	0.0182
111	3.8272	0.0181
112	3.8452	0.0180
113	3.8632	0.0180
114	3.8811	0.0179
115	3.8989	0.0178
116	3.9166	0.0177
117	3.9343	0.0177
118	3.9519	0.0176
119	3.9694	0.0175
120	3.9869	0.0175
121	4.0043	0.0174
122	4.0216	0.0173
123	4.0388	0.0173

124	4.0560	0.0172
125	4.0731	0.0171
126	4.0902	0.0171
127	4.1072	0.0170
128	4.1241	0.0169
129	4.1410	0.0169
130	4.1578	0.0168
131	4.1745	0.0167
132	4.1912	0.0167
133	4.2078	0.0166
134	4.2244	0.0166
135	4.2409	0.0165
136	4.2573	0.0164
137	4.2737	0.0164
138	4.2901	0.0163
139	4.3063	0.0163
140	4.3226	0.0162
141	4.3387	0.0162
142	4.3548	0.0161
143	4.3709	0.0161
144	4.3869	0.0160
145	4.4028	0.0160
146	4.4187	0.0159
147	4.4346	0.0158
148	4.4504	0.0158
149	4.4661	0.0157
150	4.4818	0.0157
151	4.4975	0.0156
152	4.5131	0.0156
153	4.5286	0.0155
154	4.5441	0.0155
155	4.5596	0.0155
156	4.5750	0.0154
157	4.5903	0.0154
158	4.6056	0.0153
159	4.6209	0.0153
160	4.6361	0.0152
161	4.6513	0.0152
162	4.6664	0.0151
163	4.6815	0.0151
164	4.6965	0.0150
165	4.7115	0.0150
166	4.7265	0.0150
167	4.7414	0.0149
168	4.7563	0.0149
169	4.7711	0.0148
170	4.7859	0.0148
171	4.8006	0.0147
172	4.8153	0.0147
173	4.8300	0.0147

174	4.8446	0.0146
175	4.8592	0.0146
176	4.8737	0.0145
177	4.8882	0.0145
178	4.9027	0.0145
179	4.9171	0.0144
180	4.9315	0.0144
181	4.9458	0.0143
182	4.9602	0.0143
183	4.9744	0.0143
184	4.9887	0.0142
185	5.0029	0.0142
186	5.0170	0.0142
187	5.0312	0.0141
188	5.0453	0.0141
189	5.0593	0.0141
190	5.0733	0.0140
191	5.0873	0.0140
192	5.1013	0.0140
193	5.1152	0.0139
194	5.1291	0.0139
195	5.1429	0.0138
196	5.1567	0.0138
197	5.1705	0.0138
198	5.1843	0.0137
199	5.1980	0.0137
200	5.2117	0.0137
201	5.2253	0.0136
202	5.2389	0.0136
203	5.2525	0.0136
204	5.2661	0.0136
205	5.2796	0.0135
206	5.2931	0.0135
207	5.3065	0.0135
208	5.3200	0.0134
209	5.3334	0.0134
210	5.3467	0.0134
211	5.3601	0.0133
212	5.3734	0.0133
213	5.3866	0.0133
214	5.3999	0.0132
215	5.4131	0.0132
216	5.4263	0.0132
217	5.4395	0.0132
218	5.4526	0.0131
219	5.4657	0.0131
220	5.4788	0.0131
221	5.4918	0.0130
222	5.5048	0.0130
223	5.5178	0.0130

224	5.5308	0.0130
225	5.5437	0.0129
226	5.5566	0.0129
227	5.5695	0.0129
228	5.5824	0.0129
229	5.5952	0.0128
230	5.6080	0.0128
231	5.6208	0.0128
232	5.6335	0.0127
233	5.6462	0.0127
234	5.6589	0.0127
235	5.6716	0.0127
236	5.6842	0.0126
237	5.6969	0.0126
238	5.7094	0.0126
239	5.7220	0.0126
240	5.7346	0.0125
241	5.7471	0.0125
242	5.7596	0.0125
243	5.7720	0.0125
244	5.7845	0.0124
245	5.7969	0.0124
246	5.8093	0.0124
247	5.8217	0.0124
248	5.8340	0.0123
249	5.8463	0.0123
250	5.8587	0.0123
251	5.8709	0.0123
252	5.8832	0.0123
253	5.8954	0.0122
254	5.9076	0.0122
255	5.9198	0.0122
256	5.9320	0.0122
257	5.9441	0.0121
258	5.9562	0.0121
259	5.9683	0.0121
260	5.9804	0.0121
261	5.9925	0.0121
262	6.0045	0.0120
263	6.0165	0.0120
264	6.0285	0.0120
265	6.0404	0.0120
266	6.0524	0.0119
267	6.0643	0.0119
268	6.0762	0.0119
269	6.0881	0.0119
270	6.0999	0.0119
271	6.1118	0.0118
272	6.1236	0.0118
273	6.1354	0.0118

274	6.1472	0.0118
275	6.1589	0.0118
276	6.1707	0.0117
277	6.1824	0.0117
278	6.1941	0.0117
279	6.2057	0.0117
280	6.2174	0.0117
281	6.2290	0.0116
282	6.2407	0.0116
283	6.2522	0.0116
284	6.2638	0.0116
285	6.2754	0.0116
286	6.2869	0.0115
287	6.2984	0.0115
288	6.3099	0.0115

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0115	0.0032	0.0083
2	0.0115	0.0032	0.0083
3	0.0116	0.0032	0.0083
4	0.0116	0.0032	0.0084
5	0.0116	0.0032	0.0084
6	0.0116	0.0032	0.0084
7	0.0117	0.0033	0.0084
8	0.0117	0.0033	0.0084
9	0.0117	0.0033	0.0085
10	0.0118	0.0033	0.0085
11	0.0118	0.0033	0.0085
12	0.0118	0.0033	0.0085
13	0.0119	0.0033	0.0086
14	0.0119	0.0033	0.0086
15	0.0119	0.0033	0.0086
16	0.0119	0.0033	0.0086
17	0.0120	0.0033	0.0086
18	0.0120	0.0033	0.0087
19	0.0121	0.0034	0.0087
20	0.0121	0.0034	0.0087
21	0.0121	0.0034	0.0087
22	0.0121	0.0034	0.0088
23	0.0122	0.0034	0.0088
24	0.0122	0.0034	0.0088
25	0.0123	0.0034	0.0088
26	0.0123	0.0034	0.0089
27	0.0123	0.0034	0.0089
28	0.0123	0.0034	0.0089
29	0.0124	0.0035	0.0089
30	0.0124	0.0035	0.0090

31	0.0125	0.0035	0.0090
32	0.0125	0.0035	0.0090
33	0.0125	0.0035	0.0090
34	0.0126	0.0035	0.0091
35	0.0126	0.0035	0.0091
36	0.0126	0.0035	0.0091
37	0.0127	0.0035	0.0092
38	0.0127	0.0035	0.0092
39	0.0128	0.0036	0.0092
40	0.0128	0.0036	0.0092
41	0.0129	0.0036	0.0093
42	0.0129	0.0036	0.0093
43	0.0129	0.0036	0.0093
44	0.0130	0.0036	0.0094
45	0.0130	0.0036	0.0094
46	0.0130	0.0036	0.0094
47	0.0131	0.0036	0.0095
48	0.0131	0.0037	0.0095
49	0.0132	0.0037	0.0095
50	0.0132	0.0037	0.0095
51	0.0133	0.0037	0.0096
52	0.0133	0.0037	0.0096
53	0.0134	0.0037	0.0096
54	0.0134	0.0037	0.0097
55	0.0135	0.0037	0.0097
56	0.0135	0.0038	0.0097
57	0.0136	0.0038	0.0098
58	0.0136	0.0038	0.0098
59	0.0136	0.0038	0.0098
60	0.0137	0.0038	0.0099
61	0.0137	0.0038	0.0099
62	0.0138	0.0038	0.0099
63	0.0138	0.0039	0.0100
64	0.0139	0.0039	0.0100
65	0.0140	0.0039	0.0101
66	0.0140	0.0039	0.0101
67	0.0141	0.0039	0.0101
68	0.0141	0.0039	0.0102
69	0.0142	0.0039	0.0102
70	0.0142	0.0040	0.0102
71	0.0143	0.0040	0.0103
72	0.0143	0.0040	0.0103
73	0.0144	0.0040	0.0104
74	0.0144	0.0040	0.0104
75	0.0145	0.0040	0.0105
76	0.0145	0.0041	0.0105
77	0.0146	0.0041	0.0105
78	0.0147	0.0041	0.0106
79	0.0147	0.0041	0.0106
80	0.0148	0.0041	0.0107

81	0.0149	0.0041	0.0107
82	0.0149	0.0042	0.0108
83	0.0150	0.0042	0.0108
84	0.0150	0.0042	0.0109
85	0.0151	0.0042	0.0109
86	0.0152	0.0042	0.0109
87	0.0153	0.0043	0.0110
88	0.0153	0.0043	0.0110
89	0.0154	0.0043	0.0111
90	0.0155	0.0043	0.0111
91	0.0155	0.0043	0.0112
92	0.0156	0.0043	0.0113
93	0.0157	0.0044	0.0113
94	0.0157	0.0044	0.0114
95	0.0158	0.0044	0.0114
96	0.0159	0.0044	0.0115
97	0.0160	0.0045	0.0115
98	0.0161	0.0045	0.0116
99	0.0162	0.0045	0.0117
100	0.0162	0.0045	0.0117
101	0.0163	0.0045	0.0118
102	0.0164	0.0046	0.0118
103	0.0165	0.0046	0.0119
104	0.0166	0.0046	0.0119
105	0.0167	0.0046	0.0120
106	0.0167	0.0047	0.0121
107	0.0169	0.0047	0.0122
108	0.0169	0.0047	0.0122
109	0.0171	0.0048	0.0123
110	0.0171	0.0048	0.0124
111	0.0173	0.0048	0.0124
112	0.0173	0.0048	0.0125
113	0.0175	0.0049	0.0126
114	0.0175	0.0049	0.0126
115	0.0177	0.0049	0.0127
116	0.0177	0.0049	0.0128
117	0.0179	0.0050	0.0129
118	0.0180	0.0050	0.0130
119	0.0181	0.0050	0.0131
120	0.0182	0.0051	0.0131
121	0.0184	0.0051	0.0132
122	0.0184	0.0051	0.0133
123	0.0186	0.0052	0.0134
124	0.0187	0.0052	0.0135
125	0.0189	0.0053	0.0136
126	0.0190	0.0053	0.0137
127	0.0191	0.0053	0.0138
128	0.0192	0.0054	0.0139
129	0.0194	0.0054	0.0140
130	0.0195	0.0054	0.0141

131	0.0197	0.0055	0.0142
132	0.0198	0.0055	0.0143
133	0.0200	0.0056	0.0145
134	0.0201	0.0056	0.0145
135	0.0204	0.0057	0.0147
136	0.0205	0.0057	0.0148
137	0.0207	0.0058	0.0149
138	0.0208	0.0058	0.0150
139	0.0211	0.0059	0.0152
140	0.0212	0.0059	0.0153
141	0.0215	0.0060	0.0155
142	0.0216	0.0060	0.0156
143	0.0219	0.0061	0.0158
144	0.0220	0.0061	0.0159
145	0.0201	0.0056	0.0145
146	0.0202	0.0056	0.0146
147	0.0205	0.0057	0.0148
148	0.0207	0.0058	0.0149
149	0.0210	0.0059	0.0152
150	0.0212	0.0059	0.0153
151	0.0215	0.0060	0.0155
152	0.0217	0.0060	0.0157
153	0.0221	0.0062	0.0159
154	0.0223	0.0062	0.0161
155	0.0227	0.0063	0.0164
156	0.0229	0.0064	0.0165
157	0.0234	0.0065	0.0169
158	0.0236	0.0066	0.0170
159	0.0241	0.0067	0.0174
160	0.0244	0.0068	0.0176
161	0.0249	0.0069	0.0180
162	0.0252	0.0070	0.0182
163	0.0258	0.0072	0.0186
164	0.0261	0.0073	0.0188
165	0.0267	0.0074	0.0193
166	0.0271	0.0075	0.0195
167	0.0278	0.0077	0.0201
168	0.0282	0.0079	0.0203
169	0.0290	0.0081	0.0210
170	0.0295	0.0082	0.0213
171	0.0304	0.0085	0.0220
172	0.0309	0.0086	0.0223
173	0.0320	0.0089	0.0231
174	0.0326	0.0091	0.0235
175	0.0339	0.0094	0.0245
176	0.0346	0.0096	0.0250
177	0.0361	0.0101	0.0261
178	0.0370	0.0103	0.0267
179	0.0388	0.0108	0.0280
180	0.0399	0.0111	0.0288

181	0.0422	0.0118	0.0304
182	0.0435	0.0121	0.0314
183	0.0466	0.0130	0.0336
184	0.0484	0.0135	0.0349
185	0.0337	0.0094	0.0243
186	0.0360	0.0100	0.0259
187	0.0417	0.0116	0.0301
188	0.0455	0.0127	0.0328
189	0.0566	0.0158	0.0408
190	0.0652	0.0182	0.0470
191	0.0989	0.0242	0.0748
192	0.1436	0.0242	0.1195
193	0.6214	0.0242	0.5972
194	0.0779	0.0217	0.0562
195	0.0503	0.0140	0.0363
196	0.0386	0.0107	0.0278
197	0.0504	0.0140	0.0364
198	0.0450	0.0125	0.0325
199	0.0410	0.0114	0.0296
200	0.0379	0.0105	0.0273
201	0.0353	0.0098	0.0255
202	0.0332	0.0093	0.0240
203	0.0315	0.0088	0.0227
204	0.0300	0.0083	0.0216
205	0.0286	0.0080	0.0206
206	0.0274	0.0076	0.0198
207	0.0264	0.0074	0.0190
208	0.0255	0.0071	0.0184
209	0.0246	0.0069	0.0178
210	0.0239	0.0066	0.0172
211	0.0231	0.0064	0.0167
212	0.0225	0.0063	0.0162
213	0.0219	0.0061	0.0158
214	0.0214	0.0059	0.0154
215	0.0208	0.0058	0.0150
216	0.0204	0.0057	0.0147
217	0.0221	0.0062	0.0160
218	0.0217	0.0061	0.0157
219	0.0213	0.0059	0.0154
220	0.0209	0.0058	0.0151
221	0.0206	0.0057	0.0149
222	0.0202	0.0056	0.0146
223	0.0199	0.0056	0.0144
224	0.0196	0.0055	0.0142
225	0.0193	0.0054	0.0139
226	0.0190	0.0053	0.0137
227	0.0188	0.0052	0.0135
228	0.0185	0.0052	0.0134
229	0.0183	0.0051	0.0132
230	0.0180	0.0050	0.0130

231	0.0178	0.0050	0.0129
232	0.0176	0.0049	0.0127
233	0.0174	0.0048	0.0125
234	0.0172	0.0048	0.0124
235	0.0170	0.0047	0.0123
236	0.0168	0.0047	0.0121
237	0.0166	0.0046	0.0120
238	0.0164	0.0046	0.0119
239	0.0163	0.0045	0.0117
240	0.0161	0.0045	0.0116
241	0.0160	0.0044	0.0115
242	0.0158	0.0044	0.0114
243	0.0156	0.0044	0.0113
244	0.0155	0.0043	0.0112
245	0.0154	0.0043	0.0111
246	0.0152	0.0042	0.0110
247	0.0151	0.0042	0.0109
248	0.0150	0.0042	0.0108
249	0.0148	0.0041	0.0107
250	0.0147	0.0041	0.0106
251	0.0146	0.0041	0.0105
252	0.0145	0.0040	0.0104
253	0.0143	0.0040	0.0104
254	0.0142	0.0040	0.0103
255	0.0141	0.0039	0.0102
256	0.0140	0.0039	0.0101
257	0.0139	0.0039	0.0100
258	0.0138	0.0038	0.0100
259	0.0137	0.0038	0.0099
260	0.0136	0.0038	0.0098
261	0.0135	0.0038	0.0098
262	0.0134	0.0037	0.0097
263	0.0133	0.0037	0.0096
264	0.0132	0.0037	0.0096
265	0.0132	0.0037	0.0095
266	0.0131	0.0036	0.0094
267	0.0130	0.0036	0.0094
268	0.0129	0.0036	0.0093
269	0.0128	0.0036	0.0093
270	0.0127	0.0036	0.0092
271	0.0127	0.0035	0.0091
272	0.0126	0.0035	0.0091
273	0.0125	0.0035	0.0090
274	0.0124	0.0035	0.0090
275	0.0124	0.0034	0.0089
276	0.0123	0.0034	0.0089
277	0.0122	0.0034	0.0088
278	0.0122	0.0034	0.0088
279	0.0121	0.0034	0.0087
280	0.0120	0.0034	0.0087

281	0.0120	0.0033	0.0086
282	0.0119	0.0033	0.0086
283	0.0118	0.0033	0.0085
284	0.0118	0.0033	0.0085
285	0.0117	0.0033	0.0085
286	0.0117	0.0032	0.0084
287	0.0116	0.0032	0.0084
288	0.0115	0.0032	0.0083

Total soil rain loss = 1.59(In)
Total effective rainfall = 4.72(In)
Peak flow rate in flood hydrograph = 22.68(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

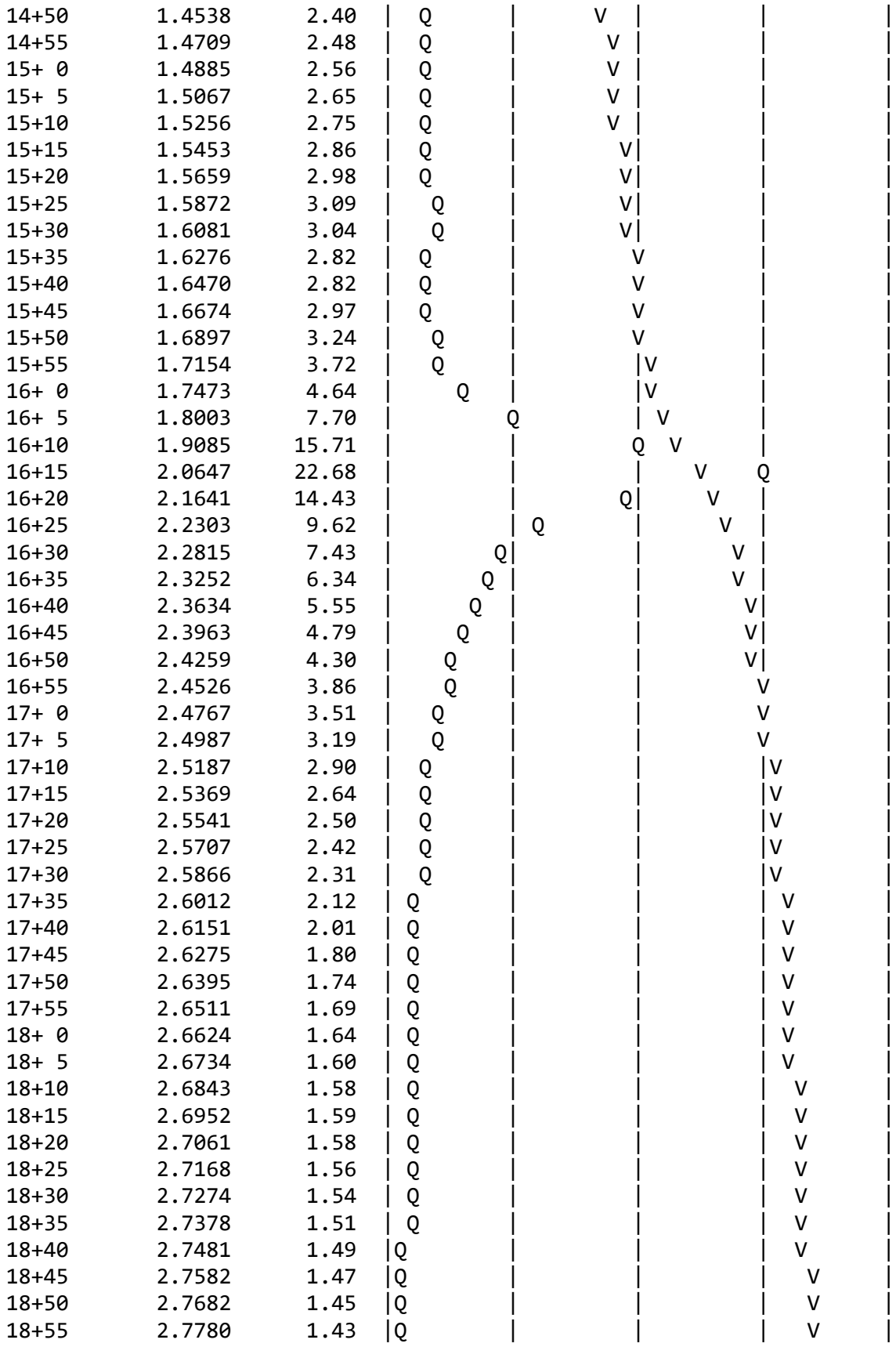
Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0002	0.02	Q				
0+10	0.0012	0.15	Q				
0+15	0.0040	0.41	Q				
0+20	0.0078	0.54	Q				
0+25	0.0120	0.62	Q				
0+30	0.0167	0.67	Q				
0+35	0.0216	0.71	Q				
0+40	0.0267	0.74	Q				
0+45	0.0319	0.76	VQ				
0+50	0.0373	0.78	VQ				
0+55	0.0428	0.80	VQ				
1+ 0	0.0483	0.81	VQ				
1+ 5	0.0540	0.82	VQ				
1+10	0.0597	0.83	VQ				
1+15	0.0654	0.83	VQ				
1+20	0.0712	0.84	VQ				
1+25	0.0770	0.85	VQ				
1+30	0.0829	0.85	|Q				
1+35	0.0888	0.86	|Q				
1+40	0.0947	0.86	|Q				
1+45	0.1007	0.86	|Q				
1+50	0.1066	0.87	|Q				
1+55	0.1126	0.87	|Q				
2+ 0	0.1186	0.87	|Q				
2+ 5	0.1246	0.87	|Q				
2+10	0.1306	0.88	|Q				
2+15	0.1367	0.88	|Q				

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2+20       0.1427      0.88  |Q         |          |          |          |
2+25       0.1488      0.88  |Q         |          |          |          |
2+30       0.1549      0.89  |Q         |          |          |          |
2+35       0.1610      0.89  |Q         |          |          |          |
2+40       0.1672      0.89  |QV        |          |          |          |
2+45       0.1733      0.89  |QV        |          |          |          |
2+50       0.1795      0.90  |QV        |          |          |          |
2+55       0.1857      0.90  |QV        |          |          |          |
3+ 0       0.1919      0.90  |QV        |          |          |          |
3+ 5       0.1981      0.90  |QV        |          |          |          |
3+10       0.2043      0.91  |QV        |          |          |          |
3+15       0.2106      0.91  |QV        |          |          |          |
3+20       0.2169      0.91  |QV        |          |          |          |
3+25       0.2232      0.91  |QV        |          |          |          |
3+30       0.2295      0.92  |QV        |          |          |          |
3+35       0.2358      0.92  |QV        |          |          |          |
3+40       0.2422      0.92  |QV        |          |          |          |
3+45       0.2485      0.93  |Q V       |          |          |          |
3+50       0.2549      0.93  |Q V       |          |          |          |
3+55       0.2614      0.93  |Q V       |          |          |          |
4+ 0       0.2678      0.93  |Q V       |          |          |          |
4+ 5       0.2742      0.94  |Q V       |          |          |          |
4+10       0.2807      0.94  |Q V       |          |          |          |
4+15       0.2872      0.94  |Q V       |          |          |          |
4+20       0.2937      0.95  |Q V       |          |          |          |
4+25       0.3003      0.95  |Q V       |          |          |          |
4+30       0.3068      0.95  |Q V       |          |          |          |
4+35       0.3134      0.96  |Q V       |          |          |          |
4+40       0.3200      0.96  |Q V       |          |          |          |
4+45       0.3267      0.96  |Q  V      |          |          |          |
4+50       0.3333      0.97  |Q  V      |          |          |          |
4+55       0.3400      0.97  |Q  V      |          |          |          |
5+ 0       0.3467      0.97  |Q  V      |          |          |          |
5+ 5       0.3534      0.98  |Q  V      |          |          |          |
5+10       0.3602      0.98  |Q  V      |          |          |          |
5+15       0.3669      0.98  |Q  V      |          |          |          |
5+20       0.3737      0.99  |Q  V      |          |          |          |
5+25       0.3806      0.99  |Q  V      |          |          |          |
5+30       0.3874      0.99  |Q  V      |          |          |          |
5+35       0.3943      1.00  |Q  V      |          |          |          |
5+40       0.4012      1.00  |Q  V      |          |          |          |
5+45       0.4081      1.00  |Q   V     |          |          |          |
5+50       0.4150      1.01  |Q   V     |          |          |          |
5+55       0.4220      1.01  |Q   V     |          |          |          |
6+ 0       0.4290      1.02  |Q   V     |          |          |          |
6+ 5       0.4360      1.02  |Q   V     |          |          |          |
6+10       0.4431      1.02  |Q   V     |          |          |          |
6+15       0.4502      1.03  |Q   V     |          |          |          |
6+20       0.4573      1.03  |Q   V     |          |          |          |
6+25       0.4644      1.04  |Q   V     |          |          |          |
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6+30	0.4716	1.04	|Q V |	|	|	|
6+35	0.4788	1.04	|Q V |	|	|	|
6+40	0.4860	1.05	|Q V |	|	|	|
6+45	0.4932	1.05	|Q V |	|	|	|
6+50	0.5005	1.06	|Q V |	|	|	|
6+55	0.5078	1.06	|Q V |	|	|	|
7+ 0	0.5152	1.07	|Q V |	|	|	|
7+ 5	0.5226	1.07	|Q V |	|	|	|
7+10	0.5300	1.08	|Q V |	|	|	|
7+15	0.5374	1.08	|Q V |	|	|	|
7+20	0.5449	1.09	|Q V |	|	|	|
7+25	0.5524	1.09	|Q V |	|	|	|
7+30	0.5599	1.09	|Q V |	|	|	|
7+35	0.5675	1.10	|Q V |	|	|	|
7+40	0.5751	1.10	|Q V |	|	|	|
7+45	0.5828	1.11	|Q V |	|	|	|
7+50	0.5904	1.11	|Q V |	|	|	|
7+55	0.5982	1.12	|Q V |	|	|	|
8+ 0	0.6059	1.13	|Q V |	|	|	|
8+ 5	0.6137	1.13	|Q V |	|	|	|
8+10	0.6215	1.14	|Q V |	|	|	|
8+15	0.6294	1.14	|Q V |	|	|	|
8+20	0.6373	1.15	|Q V |	|	|	|
8+25	0.6452	1.15	|Q V |	|	|	|
8+30	0.6532	1.16	|Q V |	|	|	|
8+35	0.6612	1.16	|Q V |	|	|	|
8+40	0.6693	1.17	|Q V |	|	|	|
8+45	0.6774	1.18	|Q V |	|	|	|
8+50	0.6855	1.18	|Q V |	|	|	|
8+55	0.6937	1.19	|Q V |	|	|	|
9+ 0	0.7020	1.20	|Q V |	|	|	|
9+ 5	0.7102	1.20	|Q V |	|	|	|
9+10	0.7186	1.21	|Q V |	|	|	|
9+15	0.7269	1.22	|Q V |	|	|	|
9+20	0.7354	1.22	|Q V|	|	|	|
9+25	0.7438	1.23	|Q V|	|	|	|
9+30	0.7523	1.24	|Q V|	|	|	|
9+35	0.7609	1.24	|Q V|	|	|	|
9+40	0.7695	1.25	|Q V|	|	|	|
9+45	0.7782	1.26	|Q V|	|	|	|
9+50	0.7869	1.27	|Q V|	|	|	|
9+55	0.7957	1.27	|Q V|	|	|	|
10+ 0	0.8045	1.28	|Q V|	|	|	|
10+ 5	0.8134	1.29	|Q V	|	|	|
10+10	0.8223	1.30	|Q V	|	|	|
10+15	0.8313	1.31	|Q V	|	|	|
10+20	0.8404	1.31	|Q V	|	|	|
10+25	0.8495	1.32	|Q V	|	|	|
10+30	0.8587	1.33	|Q V	|	|	|
10+35	0.8679	1.34	|Q V	|	|	|

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10+40       0.8772      1.35  |Q        V         |         |         |
10+45       0.8866      1.36  |Q        V         |         |         |
10+50       0.8960      1.37  |Q        |V        |         |         |
10+55       0.9055      1.38  |Q        |V        |         |         |
11+ 0       0.9151      1.39  |Q        |V        |         |         |
11+ 5       0.9247      1.40  |Q        |V        |         |         |
11+10       0.9344      1.41  |Q        |V        |         |         |
11+15       0.9442      1.42  |Q        |V        |         |         |
11+20       0.9541      1.43  |Q        |V        |         |         |
11+25       0.9641      1.44  |Q        |V        |         |         |
11+30       0.9741      1.46  |Q        | V       |         |         |
11+35       0.9842      1.47  |Q        | V       |         |         |
11+40       0.9944      1.48  |Q        | V       |         |         |
11+45       1.0047      1.49  |Q        | V       |         |         |
11+50       1.0151      1.51  | Q       | V       |         |         |
11+55       1.0255      1.52  | Q       | V       |         |         |
12+ 0       1.0361      1.53  | Q       | V       |         |         |
12+ 5       1.0467      1.54  | Q       | V       |         |         |
12+10       1.0573      1.53  | Q       |  V      |         |         |
12+15       1.0676      1.50  |Q        |  V      |         |         |
12+20       1.0778      1.49  |Q        |  V      |         |         |
12+25       1.0881      1.49  |Q        |  V      |         |         |
12+30       1.0984      1.50  |Q        |  V      |         |         |
12+35       1.1087      1.51  | Q       |  V      |         |         |
12+40       1.1192      1.52  | Q       |  V      |         |         |
12+45       1.1297      1.53  | Q       |  V      |         |         |
12+50       1.1404      1.55  | Q       |   V     |         |         |
12+55       1.1512      1.56  | Q       |   V     |         |         |
13+ 0       1.1621      1.58  | Q       |   V     |         |         |
13+ 5       1.1731      1.60  | Q       |   V     |         |         |
13+10       1.1843      1.62  | Q       |   V     |         |         |
13+15       1.1956      1.65  | Q       |   V     |         |         |
13+20       1.2071      1.67  | Q       |   V     |         |         |
13+25       1.2188      1.69  | Q       |    V    |         |         |
13+30       1.2306      1.72  | Q       |    V    |         |         |
13+35       1.2426      1.74  | Q       |    V    |         |         |
13+40       1.2548      1.77  | Q       |    V    |         |         |
13+45       1.2672      1.80  | Q       |    V    |         |         |
13+50       1.2798      1.83  | Q       |    V    |         |         |
13+55       1.2927      1.87  | Q       |    V    |         |         |
14+ 0       1.3058      1.90  | Q       |     V   |         |         |
14+ 5       1.3191      1.94  | Q       |     V   |         |         |
14+10       1.3328      1.98  | Q       |     V   |         |         |
14+15       1.3467      2.02  | Q       |     V   |         |         |
14+20       1.3609      2.06  | Q       |     V   |         |         |
14+25       1.3754      2.11  | Q       |     V   |         |         |
14+30       1.3903      2.16  | Q       |      V  |         |         |
14+35       1.4055      2.21  | Q       |      V  |         |         |
14+40       1.4212      2.27  |  Q      |      V  |         |         |
14+45       1.4373      2.34  |  Q      |      V  |         |         |
```



```
19+ 0       2.7877      1.41  |Q        |         |         |   V     |
19+ 5       2.7972      1.39  |Q        |         |         |   V     |
19+10       2.8066      1.37  |Q        |         |         |   V     |
19+15       2.8159      1.35  |Q        |         |         |   V     |
19+20       2.8251      1.33  |Q        |         |         |   V     |
19+25       2.8341      1.31  |Q        |         |         |   V     |
19+30       2.8431      1.30  |Q        |         |         |    V    |
19+35       2.8519      1.28  |Q        |         |         |    V    |
19+40       2.8606      1.27  |Q        |         |         |    V    |
19+45       2.8692      1.25  |Q        |         |         |    V    |
19+50       2.8777      1.24  |Q        |         |         |    V    |
19+55       2.8862      1.22  |Q        |         |         |    V    |
20+ 0       2.8945      1.21  |Q        |         |         |    V    |
20+ 5       2.9027      1.20  |Q        |         |         |    V    |
20+10       2.9109      1.18  |Q        |         |         |    V    |
20+15       2.9189      1.17  |Q        |         |         |    V    |
20+20       2.9269      1.16  |Q        |         |         |     V   |
20+25       2.9348      1.15  |Q        |         |         |     V   |
20+30       2.9426      1.14  |Q        |         |         |     V   |
20+35       2.9504      1.12  |Q        |         |         |     V   |
20+40       2.9580      1.11  |Q        |         |         |     V   |
20+45       2.9656      1.10  |Q        |         |         |     V   |
20+50       2.9732      1.09  |Q        |         |         |     V   |
20+55       2.9807      1.08  |Q        |         |         |     V   |
21+ 0       2.9881      1.08  |Q        |         |         |     V   |
21+ 5       2.9954      1.07  |Q        |         |         |     V   |
21+10       3.0027      1.06  |Q        |         |         |      V  |
21+15       3.0099      1.05  |Q        |         |         |      V  |
21+20       3.0171      1.04  |Q        |         |         |      V  |
21+25       3.0242      1.03  |Q        |         |         |      V  |
21+30       3.0312      1.02  |Q        |         |         |      V  |
21+35       3.0382      1.02  |Q        |         |         |      V  |
21+40       3.0452      1.01  |Q        |         |         |      V  |
21+45       3.0520      1.00  |Q        |         |         |      V  |
21+50       3.0589      0.99  |Q        |         |         |      V  |
21+55       3.0657      0.99  |Q        |         |         |      V  |
22+ 0       3.0724      0.98  |Q        |         |         |      V  |
22+ 5       3.0791      0.97  |Q        |         |         |      V  |
22+10       3.0858      0.97  |Q        |         |         |       V |
22+15       3.0924      0.96  |Q        |         |         |       V |
22+20       3.0989      0.95  |Q        |         |         |       V |
22+25       3.1054      0.95  |Q        |         |         |       V |
22+30       3.1119      0.94  |Q        |         |         |       V |
22+35       3.1184      0.93  |Q        |         |         |       V |
22+40       3.1247      0.93  |Q        |         |         |       V |
22+45       3.1311      0.92  |Q        |         |         |       V |
22+50       3.1374      0.92  |Q        |         |         |       V |
22+55       3.1437      0.91  |Q        |         |         |       V |
23+ 0       3.1499      0.91  |Q        |         |         |       V |
23+ 5       3.1561      0.90  |Q        |         |         |       V |
```

```
   23+10       3.1623      0.89  |Q        |         |         |       V |
   23+15       3.1684      0.89  |Q        |         |         |        V|
   23+20       3.1745      0.88  |Q        |         |         |        V|
   23+25       3.1806      0.88  |Q        |         |         |        V|
   23+30       3.1866      0.87  |Q        |         |         |        V|
   23+35       3.1926      0.87  |Q        |         |         |        V|
   23+40       3.1985      0.86  |Q        |         |         |        V|
   23+45       3.2045      0.86  |Q        |         |         |        V|
   23+50       3.2103      0.86  |Q        |         |         |        V|
   23+55       3.2162      0.85  |Q        |         |         |        V|
   24+ 0       3.2220      0.85  |Q        |         |         |        V|
-----------------------------------------------------------------------
```

Appendix E – Unit Hydrograph (Post-Development)

- 10-Year Storm Event
- 100-Year Storm Event

Appendix E – Unit Hydrograph (Post-Development)

- 10-Year Storm Event

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2004, Version 7.0

Study date 09/27/21

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
POSTDEVELOPED 10 Y UNIT HYDROGRAPH SUBAREA A
MGUBBAREINER 2021-09-27
--

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
2.40	1	0.79
Rainfall data for year 10		
2.40	6	2.28
Rainfall data for year 10		
2.40	24	3.63

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
32.0	32.0	2.40	1.000	0.978	0.190	0.186

Area-averaged adjusted loss rate Fm (In/Hr) = 0.186

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
0.46	0.190	32.0	32.0	18.15	0.000
1.94	0.810	98.0	98.0	0.20	0.936

Area-averaged catchment yield fraction, Y = 0.758
Area-averaged low loss fraction, Yb = 0.242
User entry of time of concentration = 0.090 (hours)
++
Watershed area = 2.40(Ac.)
Catchment Lag time = 0.072 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 115.3562
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.186(In/Hr)
Average low loss rate fraction (Yb) = 0.242 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.372(In)
Computed peak 30-minute rainfall = 0.638(In)
Specified peak 1-hour rainfall = 0.785(In)
Computed peak 3-hour rainfall = 1.509(In)
Specified peak 6-hour rainfall = 2.280(In)
Specified peak 24-hour rainfall = 3.630(In)

Rainfall depth area reduction factors:
Using a total area of 2.40(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.372(In)
30-minute factor = 1.000 Adjusted rainfall = 0.638(In)
1-hour factor = 1.000 Adjusted rainfall = 0.785(In)
3-hour factor = 1.000 Adjusted rainfall = 1.509(In)
6-hour factor = 1.000 Adjusted rainfall = 2.280(In)
24-hour factor = 1.000 Adjusted rainfall = 3.630(In)

U n i t H y d r o g r a p h
++

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 29.02 (CFS))	
1	22.126	6.422
2	72.427	14.600
3	87.424	4.353
4	93.882	1.874
5	97.167	0.954
6	98.718	0.450
7	100.000	0.372

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3724	0.3724
2	0.4585	0.0861
3	0.5178	0.0593
4	0.5645	0.0467
5	0.6036	0.0391
6	0.6375	0.0339
7	0.6677	0.0302
8	0.6950	0.0273
9	0.7200	0.0250
10	0.7431	0.0231
11	0.7647	0.0216
12	0.7849	0.0202
13	0.8232	0.0383
14	0.8603	0.0371
15	0.8964	0.0361
16	0.9315	0.0351
17	0.9657	0.0342
18	0.9991	0.0334
19	1.0318	0.0327
20	1.0638	0.0320
21	1.0951	0.0313
22	1.1259	0.0307
23	1.1561	0.0302
24	1.1857	0.0297
25	1.2149	0.0292
26	1.2436	0.0287
27	1.2718	0.0282
28	1.2997	0.0278
29	1.3271	0.0274
30	1.3541	0.0270
31	1.3808	0.0267
32	1.4072	0.0263
33	1.4332	0.0260
34	1.4589	0.0257
35	1.4843	0.0254

36	1.5094	0.0251
37	1.5342	0.0248
38	1.5587	0.0245
39	1.5830	0.0243
40	1.6070	0.0240
41	1.6308	0.0238
42	1.6544	0.0236
43	1.6777	0.0233
44	1.7008	0.0231
45	1.7237	0.0229
46	1.7464	0.0227
47	1.7689	0.0225
48	1.7912	0.0223
49	1.8133	0.0221
50	1.8352	0.0219
51	1.8570	0.0218
52	1.8786	0.0216
53	1.9000	0.0214
54	1.9212	0.0213
55	1.9423	0.0211
56	1.9633	0.0209
57	1.9841	0.0208
58	2.0047	0.0206
59	2.0252	0.0205
60	2.0456	0.0204
61	2.0658	0.0202
62	2.0859	0.0201
63	2.1058	0.0200
64	2.1256	0.0198
65	2.1453	0.0197
66	2.1649	0.0196
67	2.1844	0.0195
68	2.2037	0.0193
69	2.2230	0.0192
70	2.2421	0.0191
71	2.2611	0.0190
72	2.2800	0.0189
73	2.2906	0.0106
74	2.3010	0.0105
75	2.3114	0.0104
76	2.3217	0.0103
77	2.3319	0.0102
78	2.3420	0.0101
79	2.3521	0.0100
80	2.3620	0.0099
81	2.3719	0.0099
82	2.3817	0.0098
83	2.3914	0.0097
84	2.4010	0.0096
85	2.4105	0.0096

86	2.4200	0.0095
87	2.4294	0.0094
88	2.4388	0.0093
89	2.4480	0.0093
90	2.4572	0.0092
91	2.4663	0.0091
92	2.4754	0.0091
93	2.4844	0.0090
94	2.4933	0.0089
95	2.5022	0.0089
96	2.5110	0.0088
97	2.5197	0.0087
98	2.5284	0.0087
99	2.5370	0.0086
100	2.5456	0.0086
101	2.5541	0.0085
102	2.5626	0.0085
103	2.5710	0.0084
104	2.5793	0.0083
105	2.5876	0.0083
106	2.5959	0.0082
107	2.6041	0.0082
108	2.6122	0.0081
109	2.6203	0.0081
110	2.6283	0.0080
111	2.6363	0.0080
112	2.6443	0.0079
113	2.6522	0.0079
114	2.6600	0.0079
115	2.6678	0.0078
116	2.6756	0.0078
117	2.6833	0.0077
118	2.6910	0.0077
119	2.6986	0.0076
120	2.7062	0.0076
121	2.7137	0.0075
122	2.7212	0.0075
123	2.7287	0.0075
124	2.7361	0.0074
125	2.7435	0.0074
126	2.7508	0.0073
127	2.7581	0.0073
128	2.7654	0.0073
129	2.7726	0.0072
130	2.7798	0.0072
131	2.7870	0.0072
132	2.7941	0.0071
133	2.8012	0.0071
134	2.8082	0.0070
135	2.8152	0.0070

136	2.8222	0.0070
137	2.8292	0.0069
138	2.8361	0.0069
139	2.8430	0.0069
140	2.8498	0.0068
141	2.8566	0.0068
142	2.8634	0.0068
143	2.8701	0.0067
144	2.8769	0.0067
145	2.8835	0.0067
146	2.8902	0.0067
147	2.8968	0.0066
148	2.9034	0.0066
149	2.9100	0.0066
150	2.9165	0.0065
151	2.9230	0.0065
152	2.9295	0.0065
153	2.9360	0.0065
154	2.9424	0.0064
155	2.9488	0.0064
156	2.9552	0.0064
157	2.9615	0.0063
158	2.9678	0.0063
159	2.9741	0.0063
160	2.9804	0.0063
161	2.9866	0.0062
162	2.9928	0.0062
163	2.9990	0.0062
164	3.0052	0.0062
165	3.0113	0.0061
166	3.0174	0.0061
167	3.0235	0.0061
168	3.0295	0.0061
169	3.0356	0.0060
170	3.0416	0.0060
171	3.0476	0.0060
172	3.0536	0.0060
173	3.0595	0.0059
174	3.0654	0.0059
175	3.0713	0.0059
176	3.0772	0.0059
177	3.0830	0.0059
178	3.0889	0.0058
179	3.0947	0.0058
180	3.1005	0.0058
181	3.1062	0.0058
182	3.1120	0.0057
183	3.1177	0.0057
184	3.1234	0.0057
185	3.1291	0.0057

186	3.1348	0.0057
187	3.1404	0.0056
188	3.1460	0.0056
189	3.1516	0.0056
190	3.1572	0.0056
191	3.1628	0.0056
192	3.1683	0.0055
193	3.1739	0.0055
194	3.1794	0.0055
195	3.1849	0.0055
196	3.1903	0.0055
197	3.1958	0.0055
198	3.2012	0.0054
199	3.2066	0.0054
200	3.2120	0.0054
201	3.2174	0.0054
202	3.2228	0.0054
203	3.2281	0.0053
204	3.2334	0.0053
205	3.2387	0.0053
206	3.2440	0.0053
207	3.2493	0.0053
208	3.2546	0.0053
209	3.2598	0.0052
210	3.2650	0.0052
211	3.2702	0.0052
212	3.2754	0.0052
213	3.2806	0.0052
214	3.2858	0.0052
215	3.2909	0.0051
216	3.2960	0.0051
217	3.3011	0.0051
218	3.3062	0.0051
219	3.3113	0.0051
220	3.3164	0.0051
221	3.3214	0.0050
222	3.3265	0.0050
223	3.3315	0.0050
224	3.3365	0.0050
225	3.3415	0.0050
226	3.3465	0.0050
227	3.3514	0.0050
228	3.3564	0.0049
229	3.3613	0.0049
230	3.3662	0.0049
231	3.3711	0.0049
232	3.3760	0.0049
233	3.3809	0.0049
234	3.3857	0.0049
235	3.3906	0.0048

236	3.3954	0.0048
237	3.4002	0.0048
238	3.4050	0.0048
239	3.4098	0.0048
240	3.4146	0.0048
241	3.4194	0.0048
242	3.4241	0.0048
243	3.4289	0.0047
244	3.4336	0.0047
245	3.4383	0.0047
246	3.4430	0.0047
247	3.4477	0.0047
248	3.4524	0.0047
249	3.4571	0.0047
250	3.4617	0.0047
251	3.4663	0.0046
252	3.4710	0.0046
253	3.4756	0.0046
254	3.4802	0.0046
255	3.4848	0.0046
256	3.4894	0.0046
257	3.4939	0.0046
258	3.4985	0.0046
259	3.5030	0.0045
260	3.5076	0.0045
261	3.5121	0.0045
262	3.5166	0.0045
263	3.5211	0.0045
264	3.5256	0.0045
265	3.5300	0.0045
266	3.5345	0.0045
267	3.5390	0.0045
268	3.5434	0.0044
269	3.5478	0.0044
270	3.5522	0.0044
271	3.5566	0.0044
272	3.5610	0.0044
273	3.5654	0.0044
274	3.5698	0.0044
275	3.5742	0.0044
276	3.5785	0.0044
277	3.5829	0.0043
278	3.5872	0.0043
279	3.5915	0.0043
280	3.5958	0.0043
281	3.6001	0.0043
282	3.6044	0.0043
283	3.6087	0.0043
284	3.6130	0.0043
285	3.6173	0.0043

286	3.6215	0.0043	
287	3.6258	0.0042	
288	3.6300	0.0042	

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0042	0.0010	0.0032
2	0.0042	0.0010	0.0032
3	0.0043	0.0010	0.0032
4	0.0043	0.0010	0.0032
5	0.0043	0.0010	0.0033
6	0.0043	0.0010	0.0033
7	0.0043	0.0010	0.0033
8	0.0043	0.0010	0.0033
9	0.0044	0.0011	0.0033
10	0.0044	0.0011	0.0033
11	0.0044	0.0011	0.0033
12	0.0044	0.0011	0.0033
13	0.0044	0.0011	0.0033
14	0.0044	0.0011	0.0034
15	0.0045	0.0011	0.0034
16	0.0045	0.0011	0.0034
17	0.0045	0.0011	0.0034
18	0.0045	0.0011	0.0034
19	0.0045	0.0011	0.0034
20	0.0045	0.0011	0.0034
21	0.0046	0.0011	0.0035
22	0.0046	0.0011	0.0035
23	0.0046	0.0011	0.0035
24	0.0046	0.0011	0.0035
25	0.0046	0.0011	0.0035
26	0.0046	0.0011	0.0035
27	0.0047	0.0011	0.0035
28	0.0047	0.0011	0.0035
29	0.0047	0.0011	0.0036
30	0.0047	0.0011	0.0036
31	0.0047	0.0011	0.0036
32	0.0048	0.0012	0.0036
33	0.0048	0.0012	0.0036
34	0.0048	0.0012	0.0036
35	0.0048	0.0012	0.0037
36	0.0048	0.0012	0.0037
37	0.0049	0.0012	0.0037
38	0.0049	0.0012	0.0037
39	0.0049	0.0012	0.0037
40	0.0049	0.0012	0.0037
41	0.0049	0.0012	0.0037
42	0.0050	0.0012	0.0038

43	0.0050	0.0012	0.0038
44	0.0050	0.0012	0.0038
45	0.0050	0.0012	0.0038
46	0.0050	0.0012	0.0038
47	0.0051	0.0012	0.0038
48	0.0051	0.0012	0.0039
49	0.0051	0.0012	0.0039
50	0.0051	0.0012	0.0039
51	0.0052	0.0013	0.0039
52	0.0052	0.0013	0.0039
53	0.0052	0.0013	0.0040
54	0.0052	0.0013	0.0040
55	0.0053	0.0013	0.0040
56	0.0053	0.0013	0.0040
57	0.0053	0.0013	0.0040
58	0.0053	0.0013	0.0040
59	0.0054	0.0013	0.0041
60	0.0054	0.0013	0.0041
61	0.0054	0.0013	0.0041
62	0.0055	0.0013	0.0041
63	0.0055	0.0013	0.0042
64	0.0055	0.0013	0.0042
65	0.0055	0.0013	0.0042
66	0.0056	0.0013	0.0042
67	0.0056	0.0014	0.0042
68	0.0056	0.0014	0.0043
69	0.0057	0.0014	0.0043
70	0.0057	0.0014	0.0043
71	0.0057	0.0014	0.0043
72	0.0057	0.0014	0.0044
73	0.0058	0.0014	0.0044
74	0.0058	0.0014	0.0044
75	0.0059	0.0014	0.0044
76	0.0059	0.0014	0.0045
77	0.0059	0.0014	0.0045
78	0.0059	0.0014	0.0045
79	0.0060	0.0015	0.0045
80	0.0060	0.0015	0.0046
81	0.0061	0.0015	0.0046
82	0.0061	0.0015	0.0046
83	0.0061	0.0015	0.0046
84	0.0062	0.0015	0.0047
85	0.0062	0.0015	0.0047
86	0.0062	0.0015	0.0047
87	0.0063	0.0015	0.0048
88	0.0063	0.0015	0.0048
89	0.0064	0.0015	0.0048
90	0.0064	0.0015	0.0048
91	0.0065	0.0016	0.0049
92	0.0065	0.0016	0.0049

93	0.0065	0.0016	0.0050
94	0.0066	0.0016	0.0050
95	0.0066	0.0016	0.0050
96	0.0067	0.0016	0.0050
97	0.0067	0.0016	0.0051
98	0.0067	0.0016	0.0051
99	0.0068	0.0016	0.0052
100	0.0068	0.0017	0.0052
101	0.0069	0.0017	0.0052
102	0.0069	0.0017	0.0053
103	0.0070	0.0017	0.0053
104	0.0070	0.0017	0.0053
105	0.0071	0.0017	0.0054
106	0.0072	0.0017	0.0054
107	0.0072	0.0018	0.0055
108	0.0073	0.0018	0.0055
109	0.0073	0.0018	0.0056
110	0.0074	0.0018	0.0056
111	0.0075	0.0018	0.0057
112	0.0075	0.0018	0.0057
113	0.0076	0.0018	0.0057
114	0.0076	0.0018	0.0058
115	0.0077	0.0019	0.0058
116	0.0078	0.0019	0.0059
117	0.0079	0.0019	0.0059
118	0.0079	0.0019	0.0060
119	0.0080	0.0019	0.0061
120	0.0080	0.0019	0.0061
121	0.0081	0.0020	0.0062
122	0.0082	0.0020	0.0062
123	0.0083	0.0020	0.0063
124	0.0083	0.0020	0.0063
125	0.0085	0.0020	0.0064
126	0.0085	0.0021	0.0065
127	0.0086	0.0021	0.0065
128	0.0087	0.0021	0.0066
129	0.0088	0.0021	0.0067
130	0.0089	0.0021	0.0067
131	0.0090	0.0022	0.0068
132	0.0091	0.0022	0.0069
133	0.0092	0.0022	0.0070
134	0.0093	0.0022	0.0070
135	0.0094	0.0023	0.0071
136	0.0095	0.0023	0.0072
137	0.0096	0.0023	0.0073
138	0.0097	0.0024	0.0074
139	0.0099	0.0024	0.0075
140	0.0099	0.0024	0.0075
141	0.0101	0.0025	0.0077
142	0.0102	0.0025	0.0077

143	0.0104	0.0025	0.0079
144	0.0105	0.0025	0.0079
145	0.0189	0.0046	0.0143
146	0.0190	0.0046	0.0144
147	0.0192	0.0047	0.0146
148	0.0193	0.0047	0.0147
149	0.0196	0.0047	0.0148
150	0.0197	0.0048	0.0149
151	0.0200	0.0048	0.0151
152	0.0201	0.0049	0.0152
153	0.0204	0.0049	0.0154
154	0.0205	0.0050	0.0155
155	0.0208	0.0050	0.0158
156	0.0209	0.0051	0.0159
157	0.0213	0.0051	0.0161
158	0.0214	0.0052	0.0162
159	0.0218	0.0053	0.0165
160	0.0219	0.0053	0.0166
161	0.0223	0.0054	0.0169
162	0.0225	0.0054	0.0170
163	0.0229	0.0055	0.0174
164	0.0231	0.0056	0.0175
165	0.0236	0.0057	0.0178
166	0.0238	0.0058	0.0180
167	0.0243	0.0059	0.0184
168	0.0245	0.0059	0.0186
169	0.0251	0.0061	0.0190
170	0.0254	0.0061	0.0192
171	0.0260	0.0063	0.0197
172	0.0263	0.0064	0.0200
173	0.0270	0.0066	0.0205
174	0.0274	0.0066	0.0208
175	0.0282	0.0068	0.0214
176	0.0287	0.0069	0.0217
177	0.0297	0.0072	0.0225
178	0.0302	0.0073	0.0229
179	0.0313	0.0076	0.0238
180	0.0320	0.0077	0.0242
181	0.0334	0.0081	0.0253
182	0.0342	0.0083	0.0259
183	0.0361	0.0087	0.0273
184	0.0371	0.0090	0.0281
185	0.0202	0.0049	0.0153
186	0.0216	0.0052	0.0163
187	0.0250	0.0061	0.0189
188	0.0273	0.0066	0.0207
189	0.0339	0.0082	0.0257
190	0.0391	0.0095	0.0296
191	0.0593	0.0144	0.0449
192	0.0861	0.0155	0.0706

193	0.3724	0.0155	0.3570
194	0.0467	0.0113	0.0354
195	0.0302	0.0073	0.0229
196	0.0231	0.0056	0.0175
197	0.0383	0.0093	0.0290
198	0.0351	0.0085	0.0266
199	0.0327	0.0079	0.0248
200	0.0307	0.0074	0.0233
201	0.0292	0.0071	0.0221
202	0.0278	0.0067	0.0211
203	0.0267	0.0065	0.0202
204	0.0257	0.0062	0.0195
205	0.0248	0.0060	0.0188
206	0.0240	0.0058	0.0182
207	0.0233	0.0057	0.0177
208	0.0227	0.0055	0.0172
209	0.0221	0.0054	0.0168
210	0.0216	0.0052	0.0164
211	0.0211	0.0051	0.0160
212	0.0206	0.0050	0.0156
213	0.0202	0.0049	0.0153
214	0.0198	0.0048	0.0150
215	0.0195	0.0047	0.0147
216	0.0191	0.0046	0.0145
217	0.0106	0.0026	0.0080
218	0.0103	0.0025	0.0078
219	0.0100	0.0024	0.0076
220	0.0098	0.0024	0.0074
221	0.0096	0.0023	0.0072
222	0.0093	0.0023	0.0071
223	0.0091	0.0022	0.0069
224	0.0089	0.0022	0.0068
225	0.0087	0.0021	0.0066
226	0.0086	0.0021	0.0065
227	0.0084	0.0020	0.0064
228	0.0082	0.0020	0.0062
229	0.0081	0.0020	0.0061
230	0.0079	0.0019	0.0060
231	0.0078	0.0019	0.0059
232	0.0077	0.0019	0.0058
233	0.0075	0.0018	0.0057
234	0.0074	0.0018	0.0056
235	0.0073	0.0018	0.0055
236	0.0072	0.0017	0.0055
237	0.0071	0.0017	0.0054
238	0.0070	0.0017	0.0053
239	0.0069	0.0017	0.0052
240	0.0068	0.0016	0.0051
241	0.0067	0.0016	0.0051
242	0.0066	0.0016	0.0050

243	0.0065	0.0016	0.0049
244	0.0064	0.0016	0.0049
245	0.0063	0.0015	0.0048
246	0.0063	0.0015	0.0047
247	0.0062	0.0015	0.0047
248	0.0061	0.0015	0.0046
249	0.0060	0.0015	0.0046
250	0.0060	0.0014	0.0045
251	0.0059	0.0014	0.0045
252	0.0058	0.0014	0.0044
253	0.0058	0.0014	0.0044
254	0.0057	0.0014	0.0043
255	0.0056	0.0014	0.0043
256	0.0056	0.0014	0.0042
257	0.0055	0.0013	0.0042
258	0.0055	0.0013	0.0041
259	0.0054	0.0013	0.0041
260	0.0054	0.0013	0.0041
261	0.0053	0.0013	0.0040
262	0.0053	0.0013	0.0040
263	0.0052	0.0013	0.0039
264	0.0052	0.0012	0.0039
265	0.0051	0.0012	0.0039
266	0.0051	0.0012	0.0038
267	0.0050	0.0012	0.0038
268	0.0050	0.0012	0.0038
269	0.0049	0.0012	0.0037
270	0.0049	0.0012	0.0037
271	0.0048	0.0012	0.0037
272	0.0048	0.0012	0.0036
273	0.0048	0.0012	0.0036
274	0.0047	0.0011	0.0036
275	0.0047	0.0011	0.0036
276	0.0047	0.0011	0.0035
277	0.0046	0.0011	0.0035
278	0.0046	0.0011	0.0035
279	0.0045	0.0011	0.0034
280	0.0045	0.0011	0.0034
281	0.0045	0.0011	0.0034
282	0.0044	0.0011	0.0034
283	0.0044	0.0011	0.0033
284	0.0044	0.0011	0.0033
285	0.0043	0.0011	0.0033
286	0.0043	0.0010	0.0033
287	0.0043	0.0010	0.0032
288	0.0043	0.0010	0.0032

Total soil rain loss = 0.80(In)
Total effective rainfall = 2.83(In)

Peak flow rate in flood hydrograph = 5.88(CFS)

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24 - H O U R S T O R M

R u n o f f H y d r o g r a p h

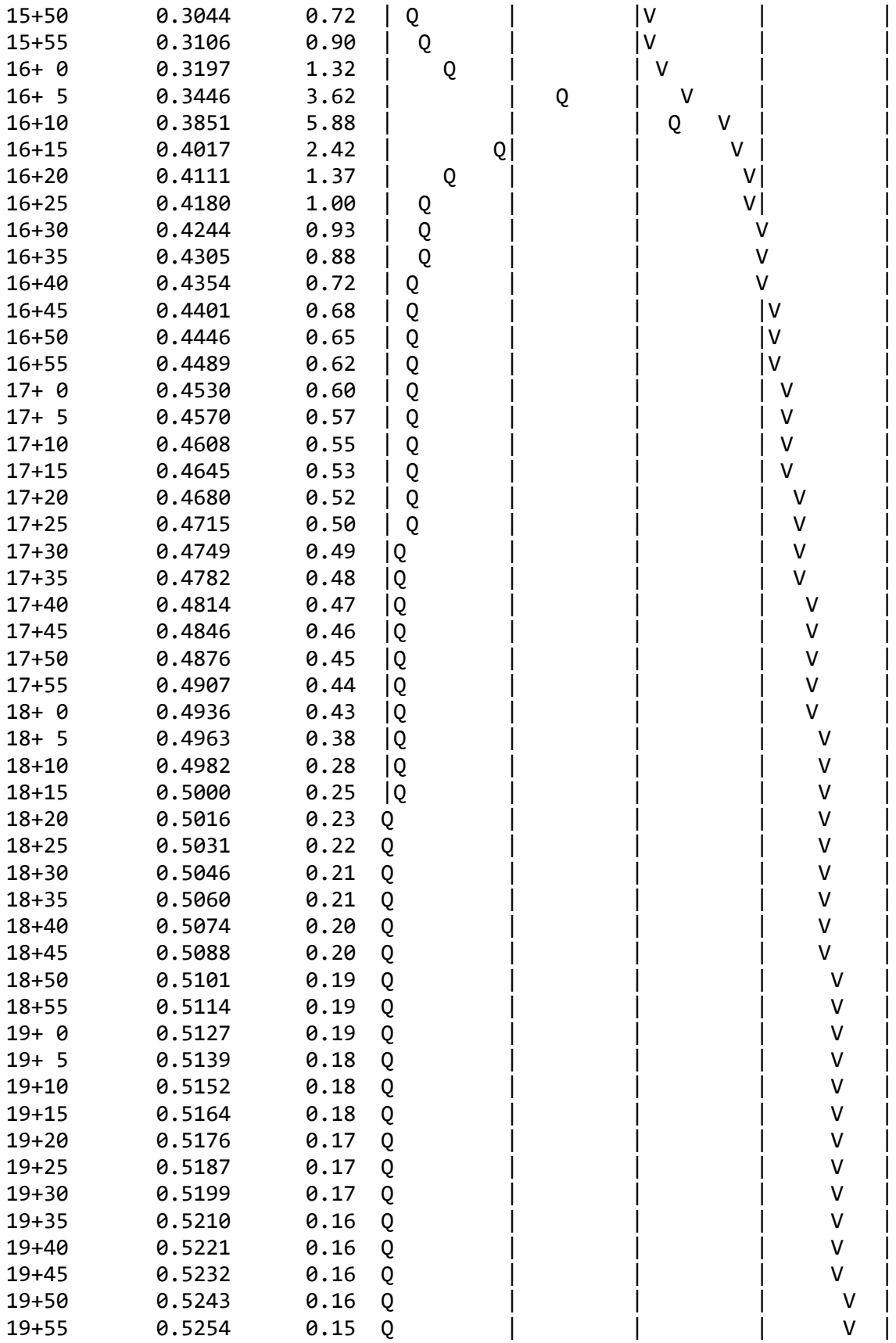
Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.02	Q				
0+10	0.0006	0.07	Q				
0+15	0.0012	0.08	Q				
0+20	0.0018	0.09	Q				
0+25	0.0024	0.09	Q				
0+30	0.0030	0.09	Q				
0+35	0.0037	0.09	Q				
0+40	0.0044	0.09	Q				
0+45	0.0050	0.10	Q				
0+50	0.0057	0.10	Q				
0+55	0.0063	0.10	Q				
1+ 0	0.0070	0.10	Q				
1+ 5	0.0077	0.10	Q				
1+10	0.0083	0.10	Q				
1+15	0.0090	0.10	Q				
1+20	0.0097	0.10	Q				
1+25	0.0103	0.10	Q				
1+30	0.0110	0.10	Q				
1+35	0.0117	0.10	Q				
1+40	0.0124	0.10	Q				
1+45	0.0131	0.10	Q				
1+50	0.0138	0.10	Q				
1+55	0.0145	0.10	QV				
2+ 0	0.0151	0.10	QV				
2+ 5	0.0158	0.10	QV				
2+10	0.0165	0.10	QV				
2+15	0.0172	0.10	QV				
2+20	0.0180	0.10	QV				
2+25	0.0187	0.10	QV				
2+30	0.0194	0.10	QV				
2+35	0.0201	0.10	QV				
2+40	0.0208	0.10	QV				
2+45	0.0215	0.10	QV				
2+50	0.0222	0.10	QV				
2+55	0.0230	0.11	QV				
3+ 0	0.0237	0.11	QV				
3+ 5	0.0244	0.11	QV				
3+10	0.0252	0.11	QV				
3+15	0.0259	0.11	QV				

3+20	0.0266	0.11	QV	|	|	|	|
3+25	0.0274	0.11	QV	|	|	|	|
3+30	0.0281	0.11	QV	|	|	|	|
3+35	0.0289	0.11	Q V	|	|	|	|
3+40	0.0296	0.11	Q V	|	|	|	|
3+45	0.0304	0.11	Q V	|	|	|	|
3+50	0.0312	0.11	Q V	|	|	|	|
3+55	0.0319	0.11	Q V	|	|	|	|
4+ 0	0.0327	0.11	Q V	|	|	|	|
4+ 5	0.0335	0.11	Q V	|	|	|	|
4+10	0.0342	0.11	Q V	|	|	|	|
4+15	0.0350	0.11	Q V	|	|	|	|
4+20	0.0358	0.11	Q V	|	|	|	|
4+25	0.0366	0.11	Q V	|	|	|	|
4+30	0.0374	0.11	Q V	|	|	|	|
4+35	0.0382	0.12	Q V	|	|	|	|
4+40	0.0390	0.12	Q V	|	|	|	|
4+45	0.0398	0.12	Q V	|	|	|	|
4+50	0.0406	0.12	Q V	|	|	|	|
4+55	0.0414	0.12	Q V	|	|	|	|
5+ 0	0.0422	0.12	Q V	|	|	|	|
5+ 5	0.0430	0.12	Q V	|	|	|	|
5+10	0.0438	0.12	Q V	|	|	|	|
5+15	0.0447	0.12	Q V	|	|	|	|
5+20	0.0455	0.12	Q V	|	|	|	|
5+25	0.0463	0.12	Q V	|	|	|	|
5+30	0.0472	0.12	Q V	|	|	|	|
5+35	0.0480	0.12	Q V	|	|	|	|
5+40	0.0488	0.12	Q V	|	|	|	|
5+45	0.0497	0.12	Q V	|	|	|	|
5+50	0.0506	0.12	Q V	|	|	|	|
5+55	0.0514	0.12	Q V	|	|	|	|
6+ 0	0.0523	0.13	Q V	|	|	|	|
6+ 5	0.0532	0.13	Q V	|	|	|	|
6+10	0.0540	0.13	Q V	|	|	|	|
6+15	0.0549	0.13	Q V	|	|	|	|
6+20	0.0558	0.13	Q V	|	|	|	|
6+25	0.0567	0.13	Q V	|	|	|	|
6+30	0.0576	0.13	Q V	|	|	|	|
6+35	0.0585	0.13	Q V	|	|	|	|
6+40	0.0594	0.13	Q V	|	|	|	|
6+45	0.0603	0.13	Q V	|	|	|	|
6+50	0.0612	0.13	Q V	|	|	|	|
6+55	0.0621	0.13	Q V	|	|	|	|
7+ 0	0.0631	0.13	Q V	|	|	|	|
7+ 5	0.0640	0.14	Q V	|	|	|	|
7+10	0.0649	0.14	Q V	|	|	|	|
7+15	0.0659	0.14	Q V	|	|	|	|
7+20	0.0668	0.14	Q V	|	|	|	|
7+25	0.0678	0.14	Q V	|	|	|	|

7+30	0.0687	0.14	Q	V	|	|	|	|
7+35	0.0697	0.14	Q	V	|	|	|	|
7+40	0.0707	0.14	Q	V	|	|	|	|
7+45	0.0717	0.14	Q	V	|	|	|	|
7+50	0.0726	0.14	Q	V	|	|	|	|
7+55	0.0736	0.14	Q	V	|	|	|	|
8+ 0	0.0746	0.15	Q	V	|	|	|	|
8+ 5	0.0757	0.15	Q	V	|	|	|	|
8+10	0.0767	0.15	Q	V	|	|	|	|
8+15	0.0777	0.15	Q	V	|	|	|	|
8+20	0.0787	0.15	Q	V	|	|	|	|
8+25	0.0798	0.15	Q	V	|	|	|	|
8+30	0.0808	0.15	Q	V	|	|	|	|
8+35	0.0818	0.15	Q	V	|	|	|	|
8+40	0.0829	0.15	Q	V	|	|	|	|
8+45	0.0840	0.15	Q	V	|	|	|	|
8+50	0.0850	0.16	Q	V	|	|	|	|
8+55	0.0861	0.16	Q	V	|	|	|	|
9+ 0	0.0872	0.16	Q	V	|	|	|	|
9+ 5	0.0883	0.16	Q	V	|	|	|	|
9+10	0.0894	0.16	Q	V	|	|	|	|
9+15	0.0905	0.16	Q	V	|	|	|	|
9+20	0.0917	0.16	Q	V	|	|	|	|
9+25	0.0928	0.16	Q	V	|	|	|	|
9+30	0.0940	0.17	Q	V	|	|	|	|
9+35	0.0951	0.17	Q	V	|	|	|	|
9+40	0.0963	0.17	Q	V	|	|	|	|
9+45	0.0974	0.17	Q	V	|	|	|	|
9+50	0.0986	0.17	Q	V	|	|	|	|
9+55	0.0998	0.17	Q	V	|	|	|	|
10+ 0	0.1010	0.18	Q	V	|	|	|	|
10+ 5	0.1023	0.18	Q	V	|	|	|	|
10+10	0.1035	0.18	Q	V	|	|	|	|
10+15	0.1047	0.18	Q	V	|	|	|	|
10+20	0.1060	0.18	Q	V	|	|	|	|
10+25	0.1072	0.18	Q	V	|	|	|	|
10+30	0.1085	0.19	Q	V	|	|	|	|
10+35	0.1098	0.19	Q	V	|	|	|	|
10+40	0.1111	0.19	Q	V	|	|	|	|
10+45	0.1124	0.19	Q	V	|	|	|	|
10+50	0.1137	0.19	Q	V	|	|	|	|
10+55	0.1151	0.19	Q	V	|	|	|	|
11+ 0	0.1164	0.20	Q	V	|	|	|	|
11+ 5	0.1178	0.20	Q	V	|	|	|	|
11+10	0.1192	0.20	Q	V	|	|	|	|
11+15	0.1206	0.20	Q	V	|	|	|	|
11+20	0.1220	0.21	Q	V	|	|	|	|
11+25	0.1234	0.21	Q	V	|	|	|	|
11+30	0.1249	0.21	Q	V	|	|	|	|
11+35	0.1264	0.21	Q	V	|	|	|	|

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11+40       0.1279      0.22  Q        V|         |         |         |
11+45       0.1294      0.22  Q        V|         |         |         |
11+50       0.1309      0.22  Q        V|         |         |         |
11+55       0.1324      0.22  Q        V|         |         |         |
12+ 0       0.1340      0.23  Q        V|         |         |         |
12+ 5       0.1359      0.27  |Q       V|         |         |         |
12+10       0.1384      0.36  |Q       V|         |         |         |
12+15       0.1411      0.39  |Q       V|         |         |         |
12+20       0.1439      0.41  |Q        V         |         |         |
12+25       0.1468      0.42  |Q        V         |         |         |
12+30       0.1497      0.43  |Q        V         |         |         |
12+35       0.1527      0.43  |Q        V         |         |         |
12+40       0.1557      0.44  |Q        |V        |         |         |
12+45       0.1588      0.44  |Q        |V        |         |         |
12+50       0.1618      0.45  |Q        |V        |         |         |
12+55       0.1649      0.45  |Q        |V        |         |         |
13+ 0       0.1681      0.46  |Q        |V        |         |         |
13+ 5       0.1712      0.46  |Q        | V       |         |         |
13+10       0.1745      0.47  |Q        | V       |         |         |
13+15       0.1777      0.47  |Q        | V       |         |         |
13+20       0.1810      0.48  |Q        | V       |         |         |
13+25       0.1843      0.48  |Q        |  V      |         |         |
13+30       0.1877      0.49  |Q        |  V      |         |         |
13+35       0.1911      0.49  |Q        |  V      |         |         |
13+40       0.1945      0.50  | Q       |  V      |         |         |
13+45       0.1980      0.51  | Q       |  V      |         |         |
13+50       0.2015      0.52  | Q       |   V     |         |         |
13+55       0.2051      0.52  | Q       |   V     |         |         |
14+ 0       0.2088      0.53  | Q       |   V     |         |         |
14+ 5       0.2125      0.54  | Q       |    V    |         |         |
14+10       0.2163      0.55  | Q       |    V    |         |         |
14+15       0.2201      0.56  | Q       |    V    |         |         |
14+20       0.2240      0.57  | Q       |    V    |         |         |
14+25       0.2280      0.58  | Q       |     V   |         |         |
14+30       0.2321      0.59  | Q       |     V   |         |         |
14+35       0.2362      0.60  | Q       |     V   |         |         |
14+40       0.2405      0.62  | Q       |     V   |         |         |
14+45       0.2448      0.63  | Q       |      V  |         |         |
14+50       0.2493      0.65  | Q       |      V  |         |         |
14+55       0.2538      0.66  | Q       |      V  |         |         |
15+ 0       0.2585      0.68  | Q       |       V |         |         |
15+ 5       0.2634      0.70  | Q       |       V |         |         |
15+10       0.2684      0.73  | Q       |       V |         |         |
15+15       0.2735      0.75  |  Q      |        V|         |         |
15+20       0.2789      0.78  |  Q      |        V|         |         |
15+25       0.2839      0.72  | Q       |         V         |         |
15+30       0.2877      0.55  | Q       |         V         |         |
15+35       0.2913      0.53  | Q       |         V         |         |
15+40       0.2951      0.56  | Q       |         V         |         |
15+45       0.2994      0.62  | Q       |         |V        |         |
```


15+50 0.3044 0.72
15+55 0.3106 0.90
16+ 0 0.3197 1.32
16+ 5 0.3446 3.62
16+10 0.3851 5.88
16+15 0.4017 2.42
16+20 0.4111 1.37
16+25 0.4180 1.00
16+30 0.4244 0.93
16+35 0.4305 0.88
16+40 0.4354 0.72
16+45 0.4401 0.68
16+50 0.4446 0.65
16+55 0.4489 0.62
17+ 0 0.4530 0.60
17+ 5 0.4570 0.57
17+10 0.4608 0.55
17+15 0.4645 0.53
17+20 0.4680 0.52
17+25 0.4715 0.50
17+30 0.4749 0.49
17+35 0.4782 0.48
17+40 0.4814 0.47
17+45 0.4846 0.46
17+50 0.4876 0.45
17+55 0.4907 0.44
18+ 0 0.4936 0.43
18+ 5 0.4963 0.38
18+10 0.4982 0.28
18+15 0.5000 0.25
18+20 0.5016 0.23
18+25 0.5031 0.22
18+30 0.5046 0.21
18+35 0.5060 0.21
18+40 0.5074 0.20
18+45 0.5088 0.20
18+50 0.5101 0.19
18+55 0.5114 0.19
19+ 0 0.5127 0.19
19+ 5 0.5139 0.18
19+10 0.5152 0.18
19+15 0.5164 0.18
19+20 0.5176 0.17
19+25 0.5187 0.17
19+30 0.5199 0.17
19+35 0.5210 0.16
19+40 0.5221 0.16
19+45 0.5232 0.16
19+50 0.5243 0.16
19+55 0.5254 0.15

```
20+ 0       0.5264      0.15  Q         |          |          |      V  |
20+ 5       0.5274      0.15  Q         |          |          |      V  |
20+10       0.5285      0.15  Q         |          |          |      V  |
20+15       0.5295      0.15  Q         |          |          |      V  |
20+20       0.5304      0.14  Q         |          |          |      V  |
20+25       0.5314      0.14  Q         |          |          |      V  |
20+30       0.5324      0.14  Q         |          |          |      V  |
20+35       0.5333      0.14  Q         |          |          |      V  |
20+40       0.5343      0.14  Q         |          |          |      V  |
20+45       0.5352      0.13  Q         |          |          |      V  |
20+50       0.5361      0.13  Q         |          |          |      V  |
20+55       0.5370      0.13  Q         |          |          |      V  |
21+ 0       0.5379      0.13  Q         |          |          |       V |
21+ 5       0.5388      0.13  Q         |          |          |       V |
21+10       0.5397      0.13  Q         |          |          |       V |
21+15       0.5406      0.13  Q         |          |          |       V |
21+20       0.5414      0.12  Q         |          |          |       V |
21+25       0.5423      0.12  Q         |          |          |       V |
21+30       0.5431      0.12  Q         |          |          |       V |
21+35       0.5439      0.12  Q         |          |          |       V |
21+40       0.5448      0.12  Q         |          |          |       V |
21+45       0.5456      0.12  Q         |          |          |       V |
21+50       0.5464      0.12  Q         |          |          |       V |
21+55       0.5472      0.12  Q         |          |          |       V |
22+ 0       0.5480      0.11  Q         |          |          |       V |
22+ 5       0.5488      0.11  Q         |          |          |       V |
22+10       0.5495      0.11  Q         |          |          |       V |
22+15       0.5503      0.11  Q         |          |          |       V |
22+20       0.5511      0.11  Q         |          |          |       V |
22+25       0.5518      0.11  Q         |          |          |        V|
22+30       0.5526      0.11  Q         |          |          |        V|
22+35       0.5533      0.11  Q         |          |          |        V|
22+40       0.5540      0.11  Q         |          |          |        V|
22+45       0.5548      0.11  Q         |          |          |        V|
22+50       0.5555      0.11  Q         |          |          |        V|
22+55       0.5562      0.10  Q         |          |          |        V|
23+ 0       0.5569      0.10  Q         |          |          |        V|
23+ 5       0.5576      0.10  Q         |          |          |        V|
23+10       0.5583      0.10  Q         |          |          |        V|
23+15       0.5590      0.10  Q         |          |          |        V|
23+20       0.5597      0.10  Q         |          |          |        V|
23+25       0.5604      0.10  Q         |          |          |        V|
23+30       0.5611      0.10  Q         |          |          |        V|
23+35       0.5618      0.10  Q         |          |          |        V|
23+40       0.5624      0.10  Q         |          |          |        V|
23+45       0.5631      0.10  Q         |          |          |        V|
23+50       0.5638      0.10  Q         |          |          |        V|
23+55       0.5644      0.10  Q         |          |          |        V|
24+ 0       0.5651      0.09  Q         |          |          |        V|
24+ 5       0.5656      0.07  Q         |          |          |        V|
```

```
   24+10       0.5657      0.03  Q         |         |         |        V|
   24+15       0.5658      0.01  Q         |         |         |        V|
   24+20       0.5659      0.01  Q         |         |         |        V|
   24+25       0.5659      0.00  Q         |         |         |        V|
   24+30       0.5659      0.00  Q         |         |         |         V
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2004, Version 7.0

Study date 09/27/21

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
POSTDEVELOPED 10 YR UNIT HYDROGRAPH SUBAREA B
MGUBBAREINER 2021-09-27
--

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
11.64	1	0.79
Rainfall data for year 10		
11.64	6	2.28
Rainfall data for year 10		
11.64	24	3.63

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
32.0	32.0	11.64	1.000	0.978	0.190	0.186

Area-averaged adjusted loss rate Fm (In/Hr) = 0.186

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
2.21	0.190	32.0	32.0	18.15	0.000
9.43	0.810	98.0	98.0	0.20	0.936

Area-averaged catchment yield fraction, Y = 0.758
Area-averaged low loss fraction, Yb = 0.242
User entry of time of concentration = 0.138 (hours)
++
Watershed area = 11.64(Ac.)
Catchment Lag time = 0.110 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 75.7576
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.186(In/Hr)
Average low loss rate fraction (Yb) = 0.242 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.372(In)
Computed peak 30-minute rainfall = 0.638(In)
Specified peak 1-hour rainfall = 0.785(In)
Computed peak 3-hour rainfall = 1.509(In)
Specified peak 6-hour rainfall = 2.280(In)
Specified peak 24-hour rainfall = 3.630(In)

Rainfall depth area reduction factors:
Using a total area of 11.64(Ac.) (Ref: fig. E-4)

5-minute factor = 0.999 Adjusted rainfall = 0.372(In)
30-minute factor = 0.999 Adjusted rainfall = 0.637(In)
1-hour factor = 0.999 Adjusted rainfall = 0.785(In)
3-hour factor = 1.000 Adjusted rainfall = 1.509(In)
6-hour factor = 1.000 Adjusted rainfall = 2.280(In)
24-hour factor = 1.000 Adjusted rainfall = 3.630(In)

U n i t H y d r o g r a p h
++

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 140.77 (CFS))	
1	9.432	13.278
2	54.666	63.676
3	76.153	30.248
4	85.629	13.340
5	91.034	7.608
6	94.436	4.789
7	96.655	3.123
8	97.962	1.840
9	98.827	1.218
10	99.611	1.103
11	100.000	0.548

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3723	0.3723
2	0.4583	0.0861
3	0.5176	0.0593
4	0.5643	0.0467
5	0.6033	0.0391
6	0.6373	0.0339
7	0.6674	0.0302
8	0.6947	0.0273
9	0.7197	0.0250
10	0.7428	0.0231
11	0.7644	0.0215
12	0.7846	0.0202
13	0.8229	0.0383
14	0.8600	0.0371
15	0.8961	0.0361
16	0.9312	0.0351
17	0.9654	0.0342
18	0.9988	0.0334
19	1.0315	0.0327
20	1.0635	0.0320
21	1.0949	0.0314
22	1.1256	0.0308
23	1.1558	0.0302
24	1.1855	0.0297
25	1.2147	0.0292
26	1.2434	0.0287
27	1.2716	0.0283
28	1.2995	0.0278
29	1.3269	0.0274
30	1.3540	0.0271
31	1.3807	0.0267

32	1.4070	0.0264
33	1.4331	0.0260
34	1.4588	0.0257
35	1.4842	0.0254
36	1.5093	0.0251
37	1.5341	0.0248
38	1.5586	0.0245
39	1.5829	0.0243
40	1.6069	0.0240
41	1.6307	0.0238
42	1.6543	0.0236
43	1.6776	0.0233
44	1.7007	0.0231
45	1.7236	0.0229
46	1.7463	0.0227
47	1.7688	0.0225
48	1.7911	0.0223
49	1.8132	0.0221
50	1.8352	0.0219
51	1.8569	0.0218
52	1.8785	0.0216
53	1.8999	0.0214
54	1.9212	0.0213
55	1.9423	0.0211
56	1.9632	0.0209
57	1.9840	0.0208
58	2.0046	0.0206
59	2.0251	0.0205
60	2.0455	0.0204
61	2.0657	0.0202
62	2.0858	0.0201
63	2.1057	0.0200
64	2.1256	0.0198
65	2.1453	0.0197
66	2.1649	0.0196
67	2.1843	0.0195
68	2.2037	0.0193
69	2.2229	0.0192
70	2.2420	0.0191
71	2.2610	0.0190
72	2.2799	0.0189
73	2.2905	0.0106
74	2.3010	0.0105
75	2.3114	0.0104
76	2.3216	0.0103
77	2.3319	0.0102
78	2.3420	0.0101
79	2.3520	0.0100
80	2.3619	0.0099
81	2.3718	0.0099

82	2.3816	0.0098
83	2.3913	0.0097
84	2.4009	0.0096
85	2.4105	0.0096
86	2.4200	0.0095
87	2.4294	0.0094
88	2.4387	0.0093
89	2.4480	0.0093
90	2.4571	0.0092
91	2.4663	0.0091
92	2.4753	0.0091
93	2.4843	0.0090
94	2.4933	0.0089
95	2.5021	0.0089
96	2.5109	0.0088
97	2.5197	0.0087
98	2.5284	0.0087
99	2.5370	0.0086
100	2.5456	0.0086
101	2.5541	0.0085
102	2.5625	0.0085
103	2.5709	0.0084
104	2.5793	0.0083
105	2.5876	0.0083
106	2.5958	0.0082
107	2.6040	0.0082
108	2.6121	0.0081
109	2.6202	0.0081
110	2.6283	0.0080
111	2.6363	0.0080
112	2.6442	0.0079
113	2.6521	0.0079
114	2.6599	0.0079
115	2.6677	0.0078
116	2.6755	0.0078
117	2.6832	0.0077
118	2.6909	0.0077
119	2.6985	0.0076
120	2.7061	0.0076
121	2.7137	0.0075
122	2.7212	0.0075
123	2.7286	0.0075
124	2.7360	0.0074
125	2.7434	0.0074
126	2.7508	0.0073
127	2.7581	0.0073
128	2.7653	0.0073
129	2.7726	0.0072
130	2.7798	0.0072
131	2.7869	0.0072

132	2.7940	0.0071
133	2.8011	0.0071
134	2.8082	0.0070
135	2.8152	0.0070
136	2.8222	0.0070
137	2.8291	0.0069
138	2.8360	0.0069
139	2.8429	0.0069
140	2.8497	0.0068
141	2.8566	0.0068
142	2.8633	0.0068
143	2.8701	0.0067
144	2.8768	0.0067
145	2.8835	0.0067
146	2.8901	0.0067
147	2.8968	0.0066
148	2.9034	0.0066
149	2.9099	0.0066
150	2.9165	0.0065
151	2.9230	0.0065
152	2.9295	0.0065
153	2.9359	0.0065
154	2.9423	0.0064
155	2.9487	0.0064
156	2.9551	0.0064
157	2.9614	0.0063
158	2.9678	0.0063
159	2.9740	0.0063
160	2.9803	0.0063
161	2.9865	0.0062
162	2.9928	0.0062
163	2.9989	0.0062
164	3.0051	0.0062
165	3.0112	0.0061
166	3.0173	0.0061
167	3.0234	0.0061
168	3.0295	0.0061
169	3.0355	0.0060
170	3.0415	0.0060
171	3.0475	0.0060
172	3.0535	0.0060
173	3.0594	0.0059
174	3.0654	0.0059
175	3.0713	0.0059
176	3.0771	0.0059
177	3.0830	0.0059
178	3.0888	0.0058
179	3.0946	0.0058
180	3.1004	0.0058
181	3.1062	0.0058

182	3.1119	0.0057
183	3.1177	0.0057
184	3.1234	0.0057
185	3.1291	0.0057
186	3.1347	0.0057
187	3.1404	0.0056
188	3.1460	0.0056
189	3.1516	0.0056
190	3.1572	0.0056
191	3.1627	0.0056
192	3.1683	0.0055
193	3.1738	0.0055
194	3.1793	0.0055
195	3.1848	0.0055
196	3.1903	0.0055
197	3.1957	0.0055
198	3.2012	0.0054
199	3.2066	0.0054
200	3.2120	0.0054
201	3.2174	0.0054
202	3.2227	0.0054
203	3.2281	0.0053
204	3.2334	0.0053
205	3.2387	0.0053
206	3.2440	0.0053
207	3.2493	0.0053
208	3.2545	0.0053
209	3.2598	0.0052
210	3.2650	0.0052
211	3.2702	0.0052
212	3.2754	0.0052
213	3.2806	0.0052
214	3.2857	0.0052
215	3.2909	0.0051
216	3.2960	0.0051
217	3.3011	0.0051
218	3.3062	0.0051
219	3.3113	0.0051
220	3.3163	0.0051
221	3.3214	0.0050
222	3.3264	0.0050
223	3.3314	0.0050
224	3.3364	0.0050
225	3.3414	0.0050
226	3.3464	0.0050
227	3.3514	0.0050
228	3.3563	0.0049
229	3.3612	0.0049
230	3.3662	0.0049
231	3.3711	0.0049

232	3.3760	0.0049
233	3.3808	0.0049
234	3.3857	0.0049
235	3.3905	0.0048
236	3.3954	0.0048
237	3.4002	0.0048
238	3.4050	0.0048
239	3.4098	0.0048
240	3.4146	0.0048
241	3.4193	0.0048
242	3.4241	0.0048
243	3.4288	0.0047
244	3.4336	0.0047
245	3.4383	0.0047
246	3.4430	0.0047
247	3.4477	0.0047
248	3.4523	0.0047
249	3.4570	0.0047
250	3.4617	0.0047
251	3.4663	0.0046
252	3.4709	0.0046
253	3.4755	0.0046
254	3.4801	0.0046
255	3.4847	0.0046
256	3.4893	0.0046
257	3.4939	0.0046
258	3.4984	0.0046
259	3.5030	0.0045
260	3.5075	0.0045
261	3.5120	0.0045
262	3.5165	0.0045
263	3.5210	0.0045
264	3.5255	0.0045
265	3.5300	0.0045
266	3.5345	0.0045
267	3.5389	0.0045
268	3.5433	0.0044
269	3.5478	0.0044
270	3.5522	0.0044
271	3.5566	0.0044
272	3.5610	0.0044
273	3.5654	0.0044
274	3.5698	0.0044
275	3.5741	0.0044
276	3.5785	0.0044
277	3.5828	0.0043
278	3.5872	0.0043
279	3.5915	0.0043
280	3.5958	0.0043
281	3.6001	0.0043

282	3.6044	0.0043
283	3.6087	0.0043
284	3.6130	0.0043
285	3.6172	0.0043
286	3.6215	0.0043
287	3.6257	0.0042
288	3.6299	0.0042

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0042	0.0010	0.0032
2	0.0042	0.0010	0.0032
3	0.0043	0.0010	0.0032
4	0.0043	0.0010	0.0032
5	0.0043	0.0010	0.0033
6	0.0043	0.0010	0.0033
7	0.0043	0.0010	0.0033
8	0.0043	0.0010	0.0033
9	0.0044	0.0011	0.0033
10	0.0044	0.0011	0.0033
11	0.0044	0.0011	0.0033
12	0.0044	0.0011	0.0033
13	0.0044	0.0011	0.0033
14	0.0044	0.0011	0.0034
15	0.0045	0.0011	0.0034
16	0.0045	0.0011	0.0034
17	0.0045	0.0011	0.0034
18	0.0045	0.0011	0.0034
19	0.0045	0.0011	0.0034
20	0.0045	0.0011	0.0034
21	0.0046	0.0011	0.0035
22	0.0046	0.0011	0.0035
23	0.0046	0.0011	0.0035
24	0.0046	0.0011	0.0035
25	0.0046	0.0011	0.0035
26	0.0046	0.0011	0.0035
27	0.0047	0.0011	0.0035
28	0.0047	0.0011	0.0035
29	0.0047	0.0011	0.0036
30	0.0047	0.0011	0.0036
31	0.0047	0.0011	0.0036
32	0.0048	0.0012	0.0036
33	0.0048	0.0012	0.0036
34	0.0048	0.0012	0.0036
35	0.0048	0.0012	0.0037
36	0.0048	0.0012	0.0037
37	0.0049	0.0012	0.0037
38	0.0049	0.0012	0.0037

39	0.0049	0.0012	0.0037
40	0.0049	0.0012	0.0037
41	0.0049	0.0012	0.0037
42	0.0050	0.0012	0.0038
43	0.0050	0.0012	0.0038
44	0.0050	0.0012	0.0038
45	0.0050	0.0012	0.0038
46	0.0050	0.0012	0.0038
47	0.0051	0.0012	0.0038
48	0.0051	0.0012	0.0039
49	0.0051	0.0012	0.0039
50	0.0051	0.0012	0.0039
51	0.0052	0.0013	0.0039
52	0.0052	0.0013	0.0039
53	0.0052	0.0013	0.0040
54	0.0052	0.0013	0.0040
55	0.0053	0.0013	0.0040
56	0.0053	0.0013	0.0040
57	0.0053	0.0013	0.0040
58	0.0053	0.0013	0.0040
59	0.0054	0.0013	0.0041
60	0.0054	0.0013	0.0041
61	0.0054	0.0013	0.0041
62	0.0055	0.0013	0.0041
63	0.0055	0.0013	0.0042
64	0.0055	0.0013	0.0042
65	0.0055	0.0013	0.0042
66	0.0056	0.0013	0.0042
67	0.0056	0.0014	0.0042
68	0.0056	0.0014	0.0043
69	0.0057	0.0014	0.0043
70	0.0057	0.0014	0.0043
71	0.0057	0.0014	0.0043
72	0.0057	0.0014	0.0044
73	0.0058	0.0014	0.0044
74	0.0058	0.0014	0.0044
75	0.0059	0.0014	0.0044
76	0.0059	0.0014	0.0045
77	0.0059	0.0014	0.0045
78	0.0059	0.0014	0.0045
79	0.0060	0.0015	0.0045
80	0.0060	0.0015	0.0046
81	0.0061	0.0015	0.0046
82	0.0061	0.0015	0.0046
83	0.0061	0.0015	0.0046
84	0.0062	0.0015	0.0047
85	0.0062	0.0015	0.0047
86	0.0062	0.0015	0.0047
87	0.0063	0.0015	0.0048
88	0.0063	0.0015	0.0048

89	0.0064	0.0015	0.0048
90	0.0064	0.0015	0.0048
91	0.0065	0.0016	0.0049
92	0.0065	0.0016	0.0049
93	0.0065	0.0016	0.0050
94	0.0066	0.0016	0.0050
95	0.0066	0.0016	0.0050
96	0.0067	0.0016	0.0050
97	0.0067	0.0016	0.0051
98	0.0067	0.0016	0.0051
99	0.0068	0.0017	0.0052
100	0.0068	0.0017	0.0052
101	0.0069	0.0017	0.0052
102	0.0069	0.0017	0.0053
103	0.0070	0.0017	0.0053
104	0.0070	0.0017	0.0053
105	0.0071	0.0017	0.0054
106	0.0072	0.0017	0.0054
107	0.0072	0.0018	0.0055
108	0.0073	0.0018	0.0055
109	0.0073	0.0018	0.0056
110	0.0074	0.0018	0.0056
111	0.0075	0.0018	0.0057
112	0.0075	0.0018	0.0057
113	0.0076	0.0018	0.0057
114	0.0076	0.0018	0.0058
115	0.0077	0.0019	0.0058
116	0.0078	0.0019	0.0059
117	0.0079	0.0019	0.0059
118	0.0079	0.0019	0.0060
119	0.0080	0.0019	0.0061
120	0.0080	0.0019	0.0061
121	0.0081	0.0020	0.0062
122	0.0082	0.0020	0.0062
123	0.0083	0.0020	0.0063
124	0.0083	0.0020	0.0063
125	0.0085	0.0020	0.0064
126	0.0085	0.0021	0.0065
127	0.0086	0.0021	0.0065
128	0.0087	0.0021	0.0066
129	0.0088	0.0021	0.0067
130	0.0089	0.0021	0.0067
131	0.0090	0.0022	0.0068
132	0.0091	0.0022	0.0069
133	0.0092	0.0022	0.0070
134	0.0093	0.0022	0.0070
135	0.0094	0.0023	0.0071
136	0.0095	0.0023	0.0072
137	0.0096	0.0023	0.0073
138	0.0097	0.0024	0.0074

139	0.0099	0.0024	0.0075
140	0.0099	0.0024	0.0075
141	0.0101	0.0025	0.0077
142	0.0102	0.0025	0.0077
143	0.0104	0.0025	0.0079
144	0.0105	0.0025	0.0079
145	0.0189	0.0046	0.0143
146	0.0190	0.0046	0.0144
147	0.0192	0.0047	0.0146
148	0.0193	0.0047	0.0147
149	0.0196	0.0047	0.0148
150	0.0197	0.0048	0.0149
151	0.0200	0.0048	0.0151
152	0.0201	0.0049	0.0152
153	0.0204	0.0049	0.0154
154	0.0205	0.0050	0.0155
155	0.0208	0.0050	0.0158
156	0.0209	0.0051	0.0159
157	0.0213	0.0051	0.0161
158	0.0214	0.0052	0.0162
159	0.0218	0.0053	0.0165
160	0.0219	0.0053	0.0166
161	0.0223	0.0054	0.0169
162	0.0225	0.0054	0.0170
163	0.0229	0.0055	0.0174
164	0.0231	0.0056	0.0175
165	0.0236	0.0057	0.0179
166	0.0238	0.0058	0.0180
167	0.0243	0.0059	0.0184
168	0.0245	0.0059	0.0186
169	0.0251	0.0061	0.0190
170	0.0254	0.0062	0.0192
171	0.0260	0.0063	0.0197
172	0.0264	0.0064	0.0200
173	0.0271	0.0066	0.0205
174	0.0274	0.0066	0.0208
175	0.0283	0.0068	0.0214
176	0.0287	0.0070	0.0218
177	0.0297	0.0072	0.0225
178	0.0302	0.0073	0.0229
179	0.0314	0.0076	0.0238
180	0.0320	0.0077	0.0242
181	0.0334	0.0081	0.0253
182	0.0342	0.0083	0.0259
183	0.0361	0.0087	0.0273
184	0.0371	0.0090	0.0281
185	0.0202	0.0049	0.0153
186	0.0215	0.0052	0.0163
187	0.0250	0.0061	0.0189
188	0.0273	0.0066	0.0207

189	0.0339	0.0082	0.0257
190	0.0391	0.0095	0.0296
191	0.0593	0.0144	0.0449
192	0.0861	0.0155	0.0706
193	0.3723	0.0155	0.3568
194	0.0467	0.0113	0.0354
195	0.0302	0.0073	0.0229
196	0.0231	0.0056	0.0175
197	0.0383	0.0093	0.0290
198	0.0351	0.0085	0.0266
199	0.0327	0.0079	0.0248
200	0.0308	0.0074	0.0233
201	0.0292	0.0071	0.0221
202	0.0278	0.0067	0.0211
203	0.0267	0.0065	0.0202
204	0.0257	0.0062	0.0195
205	0.0248	0.0060	0.0188
206	0.0240	0.0058	0.0182
207	0.0233	0.0057	0.0177
208	0.0227	0.0055	0.0172
209	0.0221	0.0054	0.0168
210	0.0216	0.0052	0.0164
211	0.0211	0.0051	0.0160
212	0.0206	0.0050	0.0156
213	0.0202	0.0049	0.0153
214	0.0198	0.0048	0.0150
215	0.0195	0.0047	0.0147
216	0.0191	0.0046	0.0145
217	0.0106	0.0026	0.0080
218	0.0103	0.0025	0.0078
219	0.0100	0.0024	0.0076
220	0.0098	0.0024	0.0074
221	0.0096	0.0023	0.0072
222	0.0093	0.0023	0.0071
223	0.0091	0.0022	0.0069
224	0.0089	0.0022	0.0068
225	0.0087	0.0021	0.0066
226	0.0086	0.0021	0.0065
227	0.0084	0.0020	0.0064
228	0.0082	0.0020	0.0062
229	0.0081	0.0020	0.0061
230	0.0079	0.0019	0.0060
231	0.0078	0.0019	0.0059
232	0.0077	0.0019	0.0058
233	0.0075	0.0018	0.0057
234	0.0074	0.0018	0.0056
235	0.0073	0.0018	0.0055
236	0.0072	0.0017	0.0055
237	0.0071	0.0017	0.0054
238	0.0070	0.0017	0.0053

239	0.0069	0.0017	0.0052
240	0.0068	0.0016	0.0051
241	0.0067	0.0016	0.0051
242	0.0066	0.0016	0.0050
243	0.0065	0.0016	0.0049
244	0.0064	0.0016	0.0049
245	0.0063	0.0015	0.0048
246	0.0063	0.0015	0.0047
247	0.0062	0.0015	0.0047
248	0.0061	0.0015	0.0046
249	0.0060	0.0015	0.0046
250	0.0060	0.0014	0.0045
251	0.0059	0.0014	0.0045
252	0.0058	0.0014	0.0044
253	0.0058	0.0014	0.0044
254	0.0057	0.0014	0.0043
255	0.0056	0.0014	0.0043
256	0.0056	0.0014	0.0042
257	0.0055	0.0013	0.0042
258	0.0055	0.0013	0.0041
259	0.0054	0.0013	0.0041
260	0.0054	0.0013	0.0041
261	0.0053	0.0013	0.0040
262	0.0053	0.0013	0.0040
263	0.0052	0.0013	0.0039
264	0.0052	0.0012	0.0039
265	0.0051	0.0012	0.0039
266	0.0051	0.0012	0.0038
267	0.0050	0.0012	0.0038
268	0.0050	0.0012	0.0038
269	0.0049	0.0012	0.0037
270	0.0049	0.0012	0.0037
271	0.0048	0.0012	0.0037
272	0.0048	0.0012	0.0036
273	0.0048	0.0012	0.0036
274	0.0047	0.0011	0.0036
275	0.0047	0.0011	0.0036
276	0.0047	0.0011	0.0035
277	0.0046	0.0011	0.0035
278	0.0046	0.0011	0.0035
279	0.0045	0.0011	0.0034
280	0.0045	0.0011	0.0034
281	0.0045	0.0011	0.0034
282	0.0044	0.0011	0.0034
283	0.0044	0.0011	0.0033
284	0.0044	0.0011	0.0033
285	0.0043	0.0011	0.0033
286	0.0043	0.0010	0.0033
287	0.0043	0.0010	0.0032
288	0.0043	0.0010	0.0032

Total soil rain loss = 0.80(In)
Total effective rainfall = 2.83(In)
Peak flow rate in flood hydrograph = 26.42(CFS)

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0003	0.04	Q				
0+10	0.0020	0.25	Q				
0+15	0.0044	0.34	Q				
0+20	0.0070	0.39	Q				
0+25	0.0099	0.41	Q				
0+30	0.0129	0.43	Q				
0+35	0.0159	0.44	Q				
0+40	0.0190	0.45	Q				
0+45	0.0222	0.46	Q				
0+50	0.0253	0.46	Q				
0+55	0.0285	0.46	Q				
1+ 0	0.0317	0.47	Q				
1+ 5	0.0350	0.47	Q				
1+10	0.0382	0.47	Q				
1+15	0.0414	0.47	Q				
1+20	0.0447	0.47	Q				
1+25	0.0480	0.47	Q				
1+30	0.0513	0.48	Q				
1+35	0.0545	0.48	Q				
1+40	0.0579	0.48	Q				
1+45	0.0612	0.48	Q				
1+50	0.0645	0.48	Q				
1+55	0.0678	0.49	Q				
2+ 0	0.0712	0.49	QV				
2+ 5	0.0746	0.49	QV				
2+10	0.0780	0.49	QV				
2+15	0.0814	0.49	QV				
2+20	0.0848	0.50	QV				
2+25	0.0882	0.50	QV				
2+30	0.0916	0.50	QV				
2+35	0.0951	0.50	QV				
2+40	0.0986	0.50	QV				
2+45	0.1020	0.51	QV				
2+50	0.1055	0.51	QV				
2+55	0.1090	0.51	QV				

3+ 0	0.1126	0.51	QV	|	|	|	|
3+ 5	0.1161	0.51	QV	|	|	|	|
3+10	0.1197	0.52	QV	|	|	|	|
3+15	0.1232	0.52	QV	|	|	|	|
3+20	0.1268	0.52	QV	|	|	|	|
3+25	0.1304	0.52	QV	|	|	|	|
3+30	0.1340	0.53	QV	|	|	|	|
3+35	0.1377	0.53	Q V	|	|	|	|
3+40	0.1413	0.53	Q V	|	|	|	|
3+45	0.1450	0.53	Q V	|	|	|	|
3+50	0.1487	0.53	Q V	|	|	|	|
3+55	0.1524	0.54	Q V	|	|	|	|
4+ 0	0.1561	0.54	Q V	|	|	|	|
4+ 5	0.1598	0.54	Q V	|	|	|	|
4+10	0.1635	0.54	Q V	|	|	|	|
4+15	0.1673	0.55	Q V	|	|	|	|
4+20	0.1711	0.55	Q V	|	|	|	|
4+25	0.1749	0.55	Q V	|	|	|	|
4+30	0.1787	0.55	Q V	|	|	|	|
4+35	0.1825	0.56	Q V	|	|	|	|
4+40	0.1864	0.56	Q V	|	|	|	|
4+45	0.1903	0.56	Q V	|	|	|	|
4+50	0.1942	0.57	Q V	|	|	|	|
4+55	0.1981	0.57	Q V	|	|	|	|
5+ 0	0.2020	0.57	Q V	|	|	|	|
5+ 5	0.2060	0.57	Q V	|	|	|	|
5+10	0.2099	0.58	Q V	|	|	|	|
5+15	0.2139	0.58	Q V	|	|	|	|
5+20	0.2179	0.58	Q V	|	|	|	|
5+25	0.2220	0.59	Q V	|	|	|	|
5+30	0.2260	0.59	Q V	|	|	|	|
5+35	0.2301	0.59	Q V	|	|	|	|
5+40	0.2342	0.59	Q V	|	|	|	|
5+45	0.2383	0.60	Q V	|	|	|	|
5+50	0.2424	0.60	Q V	|	|	|	|
5+55	0.2466	0.60	Q V	|	|	|	|
6+ 0	0.2508	0.61	Q V	|	|	|	|
6+ 5	0.2550	0.61	Q V	|	|	|	|
6+10	0.2592	0.61	Q V	|	|	|	|
6+15	0.2635	0.62	Q V	|	|	|	|
6+20	0.2677	0.62	Q V	|	|	|	|
6+25	0.2720	0.62	Q V	|	|	|	|
6+30	0.2763	0.63	Q V	|	|	|	|
6+35	0.2807	0.63	Q V	|	|	|	|
6+40	0.2851	0.64	Q V	|	|	|	|
6+45	0.2895	0.64	Q V	|	|	|	|
6+50	0.2939	0.64	Q V	|	|	|	|
6+55	0.2983	0.65	Q V	|	|	|	|
7+ 0	0.3028	0.65	Q V	|	|	|	|
7+ 5	0.3073	0.65	Q V	|	|	|	|

7+10	0.3119	0.66	Q	V	|	|	|	|
7+15	0.3164	0.66	Q	V	|	|	|	|
7+20	0.3210	0.67	Q	V	|	|	|	|
7+25	0.3256	0.67	Q	V	|	|	|	|
7+30	0.3303	0.67	Q	V	|	|	|	|
7+35	0.3349	0.68	Q	V	|	|	|	|
7+40	0.3397	0.68	Q	V	|	|	|	|
7+45	0.3444	0.69	Q	V	|	|	|	|
7+50	0.3492	0.69	Q	V	|	|	|	|
7+55	0.3540	0.70	Q	V	|	|	|	|
8+ 0	0.3588	0.70	Q	V	|	|	|	|
8+ 5	0.3637	0.71	Q	V	|	|	|	|
8+10	0.3686	0.71	Q	V	|	|	|	|
8+15	0.3735	0.72	Q	V	|	|	|	|
8+20	0.3784	0.72	Q	V	|	|	|	|
8+25	0.3835	0.73	Q	V	|	|	|	|
8+30	0.3885	0.73	Q	V	|	|	|	|
8+35	0.3936	0.74	Q	V	|	|	|	|
8+40	0.3987	0.74	Q	V	|	|	|	|
8+45	0.4038	0.75	Q	V	|	|	|	|
8+50	0.4090	0.75	|Q	V	|	|	|	|
8+55	0.4142	0.76	|Q	V	|	|	|	|
9+ 0	0.4195	0.76	|Q	V	|	|	|	|
9+ 5	0.4248	0.77	|Q	V	|	|	|	|
9+10	0.4302	0.78	|Q	V	|	|	|	|
9+15	0.4355	0.78	|Q	V	|	|	|	|
9+20	0.4410	0.79	|Q	V	|	|	|	|
9+25	0.4465	0.80	|Q	V	|	|	|	|
9+30	0.4520	0.80	|Q	V	|	|	|	|
9+35	0.4576	0.81	|Q	V	|	|	|	|
9+40	0.4632	0.82	|Q	V	|	|	|	|
9+45	0.4688	0.82	|Q	V	|	|	|	|
9+50	0.4746	0.83	|Q	V	|	|	|	|
9+55	0.4803	0.84	|Q	V	|	|	|	|
10+ 0	0.4861	0.84	|Q	V	|	|	|	|
10+ 5	0.4920	0.85	|Q	V	|	|	|	|
10+10	0.4979	0.86	|Q	V	|	|	|	|
10+15	0.5039	0.87	|Q	V	|	|	|	|
10+20	0.5099	0.88	|Q	V	|	|	|	|
10+25	0.5160	0.88	|Q	V	|	|	|	|
10+30	0.5222	0.89	|Q	V	|	|	|	|
10+35	0.5284	0.90	|Q	V	|	|	|	|
10+40	0.5346	0.91	|Q	V	|	|	|	|
10+45	0.5410	0.92	|Q	V	|	|	|	|
10+50	0.5474	0.93	|Q	V	|	|	|	|
10+55	0.5538	0.94	|Q	V	|	|	|	|
11+ 0	0.5604	0.95	|Q	V	|	|	|	|
11+ 5	0.5670	0.96	|Q	V	|	|	|	|
11+10	0.5736	0.97	|Q	V	|	|	|	|
11+15	0.5804	0.98	|Q	V	|	|	|	|

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11+20       0.5872      0.99  |Q      V |          |          |          |
11+25       0.5941      1.00  |Q      V |          |          |          |
11+30       0.6011      1.01  |Q      V |          |          |          |
11+35       0.6082      1.03  |Q      V |          |          |          |
11+40       0.6153      1.04  |Q      V |          |          |          |
11+45       0.6225      1.05  |Q       V|          |          |          |
11+50       0.6299      1.06  |Q       V|          |          |          |
11+55       0.6373      1.08  |Q       V|          |          |          |
12+ 0       0.6448      1.09  |Q       V|          |          |          |
12+ 5       0.6530      1.19  |Q       V|          |          |          |
12+10       0.6641      1.60  | Q      V|          |          |          |
12+15       0.6765      1.81  | Q      V|          |          |          |
12+20       0.6896      1.91  | Q       V          |          |          |
12+25       0.7032      1.97  | Q       V          |          |          |
12+30       0.7171      2.02  | Q       V          |          |          |
12+35       0.7313      2.06  | Q       V          |          |          |
12+40       0.7457      2.09  | Q       V          |          |          |
12+45       0.7602      2.12  | Q       |V         |          |          |
12+50       0.7750      2.15  | Q       |V         |          |          |
12+55       0.7900      2.17  | Q       |V         |          |          |
13+ 0       0.8051      2.19  | Q       |V         |          |          |
13+ 5       0.8203      2.22  | Q       |V         |          |          |
13+10       0.8358      2.24  | Q       | V        |          |          |
13+15       0.8514      2.26  |  Q      | V        |          |          |
13+20       0.8672      2.29  |  Q      | V        |          |          |
13+25       0.8831      2.32  |  Q      | V        |          |          |
13+30       0.8993      2.35  |  Q      |  V       |          |          |
13+35       0.9157      2.38  |  Q      |  V       |          |          |
13+40       0.9323      2.41  |  Q      |  V       |          |          |
13+45       0.9491      2.44  |  Q      |  V       |          |          |
13+50       0.9661      2.48  |  Q      |   V      |          |          |
13+55       0.9834      2.51  |  Q      |   V      |          |          |
14+ 0       1.0010      2.55  |  Q      |   V      |          |          |
14+ 5       1.0188      2.59  |  Q      |   V      |          |          |
14+10       1.0369      2.63  |  Q      |    V     |          |          |
14+15       1.0553      2.67  |  Q      |    V     |          |          |
14+20       1.0741      2.73  |  Q      |    V     |          |          |
14+25       1.0932      2.77  |  Q      |    V     |          |          |
14+30       1.1127      2.83  |  Q      |     V    |          |          |
14+35       1.1325      2.88  |  Q      |     V    |          |          |
14+40       1.1528      2.95  |  Q      |     V    |          |          |
14+45       1.1736      3.01  |   Q     |      V   |          |          |
14+50       1.1949      3.09  |   Q     |      V   |          |          |
14+55       1.2166      3.16  |   Q     |      V   |          |          |
15+ 0       1.2390      3.25  |   Q     |       V  |          |          |
15+ 5       1.2621      3.34  |   Q     |       V  |          |          |
15+10       1.2859      3.46  |   Q     |       V  |          |          |
15+15       1.3104      3.57  |   Q     |        V |          |          |
15+20       1.3360      3.71  |   Q     |        V |          |          |
15+25       1.3611      3.66  |   Q     |        V |          |          |
```

15+30	1.3812	2.91	Q		V		
15+35	1.3995	2.65	Q		V		
15+40	1.4182	2.72	Q		V		
15+45	1.4382	2.90	Q		V		
15+50	1.4610	3.32	Q		V		
15+55	1.4881	3.93	Q		V		
16+ 0	1.5256	5.44	Q		V		
16+ 5	1.6043	11.43		Q	V		
16+10	1.7863	26.42			V	Q	
16+15	1.8892	14.94			Q V		
16+20	1.9475	8.46	Q		V		
16+25	1.9886	5.98	Q		V		
16+30	2.0258	5.39	Q		V		
16+35	2.0590	4.82	Q		V		
16+40	2.0882	4.24	Q		V		
16+45	2.1148	3.86	Q		V		
16+50	2.1398	3.64	Q		V		
16+55	2.1625	3.29	Q		V		
17+ 0	2.1830	2.98	Q		V		
17+ 5	2.2027	2.86	Q		V		
17+10	2.2217	2.76	Q		V		
17+15	2.2400	2.67	Q		V		
17+20	2.2578	2.58	Q		V		
17+25	2.2750	2.50	Q		V		
17+30	2.2918	2.43	Q		V		
17+35	2.3080	2.37	Q		V		
17+40	2.3239	2.31	Q		V		
17+45	2.3395	2.26	Q		V		
17+50	2.3547	2.21	Q		V		
17+55	2.3696	2.16	Q		V		
18+ 0	2.3841	2.12	Q		V		
18+ 5	2.3979	2.00	Q		V		
18+10	2.4087	1.56	Q		V		
18+15	2.4179	1.34	Q		V		
18+20	2.4263	1.23	Q		V		
18+25	2.4343	1.15	Q		V		
18+30	2.4418	1.09	Q		V		
18+35	2.4490	1.05	Q		V		
18+40	2.4560	1.01	Q		V		
18+45	2.4628	0.98	Q		V		
18+50	2.4694	0.96	Q		V		
18+55	2.4758	0.93	Q		V		
19+ 0	2.4821	0.91	Q		V		
19+ 5	2.4883	0.90	Q		V		
19+10	2.4944	0.88	Q		V		
19+15	2.5003	0.86	Q		V		
19+20	2.5061	0.85	Q		V		
19+25	2.5119	0.83	Q		V		
19+30	2.5175	0.82	Q		V		
19+35	2.5231	0.81	Q		V		

```
19+40       2.5285      0.79  |Q        |         |         |     V   |
19+45       2.5339      0.78  |Q        |         |         |     V   |
19+50       2.5392      0.77  |Q        |         |         |      V  |
19+55       2.5444      0.76  |Q        |         |         |      V  |
20+ 0       2.5495      0.74  Q         |         |         |      V  |
20+ 5       2.5546      0.73  Q         |         |         |      V  |
20+10       2.5595      0.72  Q         |         |         |      V  |
20+15       2.5645      0.71  Q         |         |         |      V  |
20+20       2.5693      0.70  Q         |         |         |      V  |
20+25       2.5741      0.69  Q         |         |         |      V  |
20+30       2.5788      0.69  Q         |         |         |      V  |
20+35       2.5835      0.68  Q         |         |         |      V  |
20+40       2.5881      0.67  Q         |         |         |      V  |
20+45       2.5926      0.66  Q         |         |         |      V  |
20+50       2.5971      0.65  Q         |         |         |      V  |
20+55       2.6015      0.64  Q         |         |         |      V  |
21+ 0       2.6059      0.64  Q         |         |         |      V  |
21+ 5       2.6103      0.63  Q         |         |         |       V |
21+10       2.6145      0.62  Q         |         |         |       V |
21+15       2.6188      0.62  Q         |         |         |       V |
21+20       2.6230      0.61  Q         |         |         |       V |
21+25       2.6271      0.60  Q         |         |         |       V |
21+30       2.6312      0.60  Q         |         |         |       V |
21+35       2.6353      0.59  Q         |         |         |       V |
21+40       2.6393      0.58  Q         |         |         |       V |
21+45       2.6433      0.58  Q         |         |         |       V |
21+50       2.6472      0.57  Q         |         |         |       V |
21+55       2.6511      0.57  Q         |         |         |       V |
22+ 0       2.6550      0.56  Q         |         |         |       V |
22+ 5       2.6588      0.56  Q         |         |         |       V |
22+10       2.6626      0.55  Q         |         |         |       V |
22+15       2.6663      0.55  Q         |         |         |       V |
22+20       2.6701      0.54  Q         |         |         |       V |
22+25       2.6738      0.54  Q         |         |         |       V |
22+30       2.6774      0.53  Q         |         |         |        V|
22+35       2.6810      0.53  Q         |         |         |        V|
22+40       2.6846      0.52  Q         |         |         |        V|
22+45       2.6882      0.52  Q         |         |         |        V|
22+50       2.6917      0.51  Q         |         |         |        V|
22+55       2.6952      0.51  Q         |         |         |        V|
23+ 0       2.6987      0.50  Q         |         |         |        V|
23+ 5       2.7021      0.50  Q         |         |         |        V|
23+10       2.7056      0.50  Q         |         |         |        V|
23+15       2.7089      0.49  Q         |         |         |        V|
23+20       2.7123      0.49  Q         |         |         |        V|
23+25       2.7156      0.48  Q         |         |         |        V|
23+30       2.7190      0.48  Q         |         |         |        V|
23+35       2.7222      0.48  Q         |         |         |        V|
23+40       2.7255      0.47  Q         |         |         |        V|
23+45       2.7287      0.47  Q         |         |         |        V|
```

23+50	2.7320	0.47	Q	|	|	|	V|
23+55	2.7352	0.46	Q	|	|	|	V|
24+ 0	2.7383	0.46	Q	|	|	|	V|
24+ 5	2.7412	0.41	Q	|	|	|	V|
24+10	2.7426	0.21	Q	|	|	|	V|
24+15	2.7434	0.11	Q	|	|	|	V|
24+20	2.7438	0.07	Q	|	|	|	V|
24+25	2.7441	0.04	Q	|	|	|	V|
24+30	2.7443	0.03	Q	|	|	|	V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 09/27/21

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
POSTDEVELOPED 10 YR UNIT HYDROGRAPH SUBAREA C
MGUBBAREINER 2021-09-27
--

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
3.82	1	0.79
Rainfall data for year 10		
3.82	6	2.28
Rainfall data for year 10		
3.82	24	3.63

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
32.0	32.0	3.82	1.000	0.978	0.190	0.186

Area-averaged adjusted loss rate Fm (In/Hr) = 0.186

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
0.73	0.190	32.0	32.0	18.15	0.000
3.09	0.810	98.0	98.0	0.20	0.936

Area-averaged catchment yield fraction, Y = 0.758
Area-averaged low loss fraction, Yb = 0.242
User entry of time of concentration = 0.306 (hours)
++
Watershed area = 3.82(Ac.)
Catchment Lag time = 0.245 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 34.0081
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.186(In/Hr)
Average low loss rate fraction (Yb) = 0.242 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.372(In)
Computed peak 30-minute rainfall = 0.638(In)
Specified peak 1-hour rainfall = 0.785(In)
Computed peak 3-hour rainfall = 1.509(In)
Specified peak 6-hour rainfall = 2.280(In)
Specified peak 24-hour rainfall = 3.630(In)

Rainfall depth area reduction factors:
Using a total area of 3.82(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.372(In)
30-minute factor = 1.000 Adjusted rainfall = 0.638(In)
1-hour factor = 1.000 Adjusted rainfall = 0.785(In)
3-hour factor = 1.000 Adjusted rainfall = 1.509(In)
6-hour factor = 1.000 Adjusted rainfall = 2.280(In)
24-hour factor = 1.000 Adjusted rainfall = 3.630(In)

U n i t H y d r o g r a p h
++

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 46.20 (CFS))	
1	2.136	0.987
2	12.478	4.778
3	39.080	12.289
4	58.659	9.045
5	69.125	4.835
6	76.070	3.209
7	81.019	2.286
8	84.761	1.729
9	87.813	1.410
10	90.071	1.043
11	91.928	0.858
12	93.498	0.725
13	94.753	0.580
14	95.829	0.497
15	96.709	0.406
16	97.388	0.314
17	97.907	0.240
18	98.256	0.161
19	98.650	0.182
20	99.058	0.189
21	99.449	0.181
22	99.695	0.114
23	100.000	0.057

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3724	0.3724
2	0.4585	0.0861
3	0.5178	0.0593
4	0.5645	0.0467
5	0.6036	0.0391
6	0.6375	0.0339
7	0.6677	0.0302
8	0.6950	0.0273
9	0.7200	0.0250
10	0.7431	0.0231
11	0.7646	0.0216
12	0.7849	0.0202
13	0.8232	0.0383
14	0.8603	0.0371
15	0.8963	0.0361
16	0.9314	0.0351
17	0.9657	0.0342
18	0.9991	0.0334
19	1.0318	0.0327

20	1.0638	0.0320
21	1.0951	0.0313
22	1.1258	0.0307
23	1.1560	0.0302
24	1.1857	0.0297
25	1.2149	0.0292
26	1.2436	0.0287
27	1.2718	0.0283
28	1.2996	0.0278
29	1.3271	0.0274
30	1.3541	0.0271
31	1.3808	0.0267
32	1.4071	0.0263
33	1.4332	0.0260
34	1.4589	0.0257
35	1.4842	0.0254
36	1.5093	0.0251
37	1.5342	0.0248
38	1.5587	0.0245
39	1.5830	0.0243
40	1.6070	0.0240
41	1.6308	0.0238
42	1.6543	0.0236
43	1.6777	0.0233
44	1.7008	0.0231
45	1.7237	0.0229
46	1.7464	0.0227
47	1.7689	0.0225
48	1.7912	0.0223
49	1.8133	0.0221
50	1.8352	0.0219
51	1.8570	0.0218
52	1.8786	0.0216
53	1.9000	0.0214
54	1.9212	0.0213
55	1.9423	0.0211
56	1.9633	0.0209
57	1.9840	0.0208
58	2.0047	0.0206
59	2.0252	0.0205
60	2.0455	0.0204
61	2.0658	0.0202
62	2.0859	0.0201
63	2.1058	0.0200
64	2.1256	0.0198
65	2.1453	0.0197
66	2.1649	0.0196
67	2.1844	0.0195
68	2.2037	0.0193
69	2.2230	0.0192

70	2.2421	0.0191
71	2.2611	0.0190
72	2.2800	0.0189
73	2.2905	0.0106
74	2.3010	0.0105
75	2.3114	0.0104
76	2.3217	0.0103
77	2.3319	0.0102
78	2.3420	0.0101
79	2.3521	0.0100
80	2.3620	0.0099
81	2.3719	0.0099
82	2.3816	0.0098
83	2.3914	0.0097
84	2.4010	0.0096
85	2.4105	0.0096
86	2.4200	0.0095
87	2.4294	0.0094
88	2.4387	0.0093
89	2.4480	0.0093
90	2.4572	0.0092
91	2.4663	0.0091
92	2.4754	0.0091
93	2.4844	0.0090
94	2.4933	0.0089
95	2.5022	0.0089
96	2.5110	0.0088
97	2.5197	0.0087
98	2.5284	0.0087
99	2.5370	0.0086
100	2.5456	0.0086
101	2.5541	0.0085
102	2.5626	0.0085
103	2.5710	0.0084
104	2.5793	0.0083
105	2.5876	0.0083
106	2.5959	0.0082
107	2.6040	0.0082
108	2.6122	0.0081
109	2.6203	0.0081
110	2.6283	0.0080
111	2.6363	0.0080
112	2.6442	0.0079
113	2.6521	0.0079
114	2.6600	0.0079
115	2.6678	0.0078
116	2.6756	0.0078
117	2.6833	0.0077
118	2.6909	0.0077
119	2.6986	0.0076

120	2.7062	0.0076
121	2.7137	0.0075
122	2.7212	0.0075
123	2.7287	0.0075
124	2.7361	0.0074
125	2.7435	0.0074
126	2.7508	0.0073
127	2.7581	0.0073
128	2.7654	0.0073
129	2.7726	0.0072
130	2.7798	0.0072
131	2.7870	0.0072
132	2.7941	0.0071
133	2.8012	0.0071
134	2.8082	0.0070
135	2.8152	0.0070
136	2.8222	0.0070
137	2.8292	0.0069
138	2.8361	0.0069
139	2.8429	0.0069
140	2.8498	0.0068
141	2.8566	0.0068
142	2.8634	0.0068
143	2.8701	0.0067
144	2.8768	0.0067
145	2.8835	0.0067
146	2.8902	0.0067
147	2.8968	0.0066
148	2.9034	0.0066
149	2.9100	0.0066
150	2.9165	0.0065
151	2.9230	0.0065
152	2.9295	0.0065
153	2.9360	0.0065
154	2.9424	0.0064
155	2.9488	0.0064
156	2.9551	0.0064
157	2.9615	0.0063
158	2.9678	0.0063
159	2.9741	0.0063
160	2.9804	0.0063
161	2.9866	0.0062
162	2.9928	0.0062
163	2.9990	0.0062
164	3.0051	0.0062
165	3.0113	0.0061
166	3.0174	0.0061
167	3.0235	0.0061
168	3.0295	0.0061
169	3.0356	0.0060

170	3.0416	0.0060
171	3.0476	0.0060
172	3.0535	0.0060
173	3.0595	0.0059
174	3.0654	0.0059
175	3.0713	0.0059
176	3.0772	0.0059
177	3.0830	0.0059
178	3.0889	0.0058
179	3.0947	0.0058
180	3.1005	0.0058
181	3.1062	0.0058
182	3.1120	0.0057
183	3.1177	0.0057
184	3.1234	0.0057
185	3.1291	0.0057
186	3.1348	0.0057
187	3.1404	0.0056
188	3.1460	0.0056
189	3.1516	0.0056
190	3.1572	0.0056
191	3.1628	0.0056
192	3.1683	0.0055
193	3.1739	0.0055
194	3.1794	0.0055
195	3.1849	0.0055
196	3.1903	0.0055
197	3.1958	0.0055
198	3.2012	0.0054
199	3.2066	0.0054
200	3.2120	0.0054
201	3.2174	0.0054
202	3.2228	0.0054
203	3.2281	0.0053
204	3.2334	0.0053
205	3.2387	0.0053
206	3.2440	0.0053
207	3.2493	0.0053
208	3.2546	0.0053
209	3.2598	0.0052
210	3.2650	0.0052
211	3.2702	0.0052
212	3.2754	0.0052
213	3.2806	0.0052
214	3.2858	0.0052
215	3.2909	0.0051
216	3.2960	0.0051
217	3.3011	0.0051
218	3.3062	0.0051
219	3.3113	0.0051

220	3.3164	0.0051
221	3.3214	0.0050
222	3.3265	0.0050
223	3.3315	0.0050
224	3.3365	0.0050
225	3.3415	0.0050
226	3.3465	0.0050
227	3.3514	0.0050
228	3.3564	0.0049
229	3.3613	0.0049
230	3.3662	0.0049
231	3.3711	0.0049
232	3.3760	0.0049
233	3.3809	0.0049
234	3.3857	0.0049
235	3.3906	0.0048
236	3.3954	0.0048
237	3.4002	0.0048
238	3.4050	0.0048
239	3.4098	0.0048
240	3.4146	0.0048
241	3.4194	0.0048
242	3.4241	0.0048
243	3.4289	0.0047
244	3.4336	0.0047
245	3.4383	0.0047
246	3.4430	0.0047
247	3.4477	0.0047
248	3.4524	0.0047
249	3.4570	0.0047
250	3.4617	0.0047
251	3.4663	0.0046
252	3.4710	0.0046
253	3.4756	0.0046
254	3.4802	0.0046
255	3.4848	0.0046
256	3.4893	0.0046
257	3.4939	0.0046
258	3.4985	0.0046
259	3.5030	0.0045
260	3.5075	0.0045
261	3.5121	0.0045
262	3.5166	0.0045
263	3.5211	0.0045
264	3.5256	0.0045
265	3.5300	0.0045
266	3.5345	0.0045
267	3.5389	0.0045
268	3.5434	0.0044
269	3.5478	0.0044

270	3.5522	0.0044
271	3.5566	0.0044
272	3.5610	0.0044
273	3.5654	0.0044
274	3.5698	0.0044
275	3.5742	0.0044
276	3.5785	0.0044
277	3.5829	0.0043
278	3.5872	0.0043
279	3.5915	0.0043
280	3.5958	0.0043
281	3.6001	0.0043
282	3.6044	0.0043
283	3.6087	0.0043
284	3.6130	0.0043
285	3.6173	0.0043
286	3.6215	0.0043
287	3.6257	0.0042
288	3.6300	0.0042

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0042	0.0010	0.0032
2	0.0042	0.0010	0.0032
3	0.0043	0.0010	0.0032
4	0.0043	0.0010	0.0032
5	0.0043	0.0010	0.0033
6	0.0043	0.0010	0.0033
7	0.0043	0.0010	0.0033
8	0.0043	0.0010	0.0033
9	0.0044	0.0011	0.0033
10	0.0044	0.0011	0.0033
11	0.0044	0.0011	0.0033
12	0.0044	0.0011	0.0033
13	0.0044	0.0011	0.0033
14	0.0044	0.0011	0.0034
15	0.0045	0.0011	0.0034
16	0.0045	0.0011	0.0034
17	0.0045	0.0011	0.0034
18	0.0045	0.0011	0.0034
19	0.0045	0.0011	0.0034
20	0.0045	0.0011	0.0034
21	0.0046	0.0011	0.0035
22	0.0046	0.0011	0.0035
23	0.0046	0.0011	0.0035
24	0.0046	0.0011	0.0035
25	0.0046	0.0011	0.0035
26	0.0046	0.0011	0.0035

27	0.0047	0.0011	0.0035
28	0.0047	0.0011	0.0035
29	0.0047	0.0011	0.0036
30	0.0047	0.0011	0.0036
31	0.0047	0.0011	0.0036
32	0.0048	0.0012	0.0036
33	0.0048	0.0012	0.0036
34	0.0048	0.0012	0.0036
35	0.0048	0.0012	0.0037
36	0.0048	0.0012	0.0037
37	0.0049	0.0012	0.0037
38	0.0049	0.0012	0.0037
39	0.0049	0.0012	0.0037
40	0.0049	0.0012	0.0037
41	0.0049	0.0012	0.0037
42	0.0050	0.0012	0.0038
43	0.0050	0.0012	0.0038
44	0.0050	0.0012	0.0038
45	0.0050	0.0012	0.0038
46	0.0050	0.0012	0.0038
47	0.0051	0.0012	0.0038
48	0.0051	0.0012	0.0039
49	0.0051	0.0012	0.0039
50	0.0051	0.0012	0.0039
51	0.0052	0.0013	0.0039
52	0.0052	0.0013	0.0039
53	0.0052	0.0013	0.0040
54	0.0052	0.0013	0.0040
55	0.0053	0.0013	0.0040
56	0.0053	0.0013	0.0040
57	0.0053	0.0013	0.0040
58	0.0053	0.0013	0.0040
59	0.0054	0.0013	0.0041
60	0.0054	0.0013	0.0041
61	0.0054	0.0013	0.0041
62	0.0055	0.0013	0.0041
63	0.0055	0.0013	0.0042
64	0.0055	0.0013	0.0042
65	0.0055	0.0013	0.0042
66	0.0056	0.0013	0.0042
67	0.0056	0.0014	0.0042
68	0.0056	0.0014	0.0043
69	0.0057	0.0014	0.0043
70	0.0057	0.0014	0.0043
71	0.0057	0.0014	0.0043
72	0.0057	0.0014	0.0044
73	0.0058	0.0014	0.0044
74	0.0058	0.0014	0.0044
75	0.0059	0.0014	0.0044
76	0.0059	0.0014	0.0045

77	0.0059	0.0014	0.0045
78	0.0059	0.0014	0.0045
79	0.0060	0.0015	0.0045
80	0.0060	0.0015	0.0046
81	0.0061	0.0015	0.0046
82	0.0061	0.0015	0.0046
83	0.0061	0.0015	0.0046
84	0.0062	0.0015	0.0047
85	0.0062	0.0015	0.0047
86	0.0062	0.0015	0.0047
87	0.0063	0.0015	0.0048
88	0.0063	0.0015	0.0048
89	0.0064	0.0015	0.0048
90	0.0064	0.0015	0.0048
91	0.0065	0.0016	0.0049
92	0.0065	0.0016	0.0049
93	0.0065	0.0016	0.0050
94	0.0066	0.0016	0.0050
95	0.0066	0.0016	0.0050
96	0.0067	0.0016	0.0050
97	0.0067	0.0016	0.0051
98	0.0067	0.0016	0.0051
99	0.0068	0.0016	0.0052
100	0.0068	0.0017	0.0052
101	0.0069	0.0017	0.0052
102	0.0069	0.0017	0.0053
103	0.0070	0.0017	0.0053
104	0.0070	0.0017	0.0053
105	0.0071	0.0017	0.0054
106	0.0072	0.0017	0.0054
107	0.0072	0.0018	0.0055
108	0.0073	0.0018	0.0055
109	0.0073	0.0018	0.0056
110	0.0074	0.0018	0.0056
111	0.0075	0.0018	0.0057
112	0.0075	0.0018	0.0057
113	0.0076	0.0018	0.0057
114	0.0076	0.0018	0.0058
115	0.0077	0.0019	0.0058
116	0.0078	0.0019	0.0059
117	0.0079	0.0019	0.0059
118	0.0079	0.0019	0.0060
119	0.0080	0.0019	0.0061
120	0.0080	0.0019	0.0061
121	0.0081	0.0020	0.0062
122	0.0082	0.0020	0.0062
123	0.0083	0.0020	0.0063
124	0.0083	0.0020	0.0063
125	0.0085	0.0020	0.0064
126	0.0085	0.0021	0.0065

127	0.0086	0.0021	0.0065
128	0.0087	0.0021	0.0066
129	0.0088	0.0021	0.0067
130	0.0089	0.0021	0.0067
131	0.0090	0.0022	0.0068
132	0.0091	0.0022	0.0069
133	0.0092	0.0022	0.0070
134	0.0093	0.0022	0.0070
135	0.0094	0.0023	0.0071
136	0.0095	0.0023	0.0072
137	0.0096	0.0023	0.0073
138	0.0097	0.0024	0.0074
139	0.0099	0.0024	0.0075
140	0.0099	0.0024	0.0075
141	0.0101	0.0025	0.0077
142	0.0102	0.0025	0.0077
143	0.0104	0.0025	0.0079
144	0.0105	0.0025	0.0079
145	0.0189	0.0046	0.0143
146	0.0190	0.0046	0.0144
147	0.0192	0.0047	0.0146
148	0.0193	0.0047	0.0147
149	0.0196	0.0047	0.0148
150	0.0197	0.0048	0.0149
151	0.0200	0.0048	0.0151
152	0.0201	0.0049	0.0152
153	0.0204	0.0049	0.0154
154	0.0205	0.0050	0.0155
155	0.0208	0.0050	0.0158
156	0.0209	0.0051	0.0159
157	0.0213	0.0051	0.0161
158	0.0214	0.0052	0.0162
159	0.0218	0.0053	0.0165
160	0.0219	0.0053	0.0166
161	0.0223	0.0054	0.0169
162	0.0225	0.0054	0.0170
163	0.0229	0.0055	0.0174
164	0.0231	0.0056	0.0175
165	0.0236	0.0057	0.0178
166	0.0238	0.0058	0.0180
167	0.0243	0.0059	0.0184
168	0.0245	0.0059	0.0186
169	0.0251	0.0061	0.0190
170	0.0254	0.0061	0.0192
171	0.0260	0.0063	0.0197
172	0.0263	0.0064	0.0200
173	0.0271	0.0066	0.0205
174	0.0274	0.0066	0.0208
175	0.0283	0.0068	0.0214
176	0.0287	0.0069	0.0217

177	0.0297	0.0072	0.0225
178	0.0302	0.0073	0.0229
179	0.0313	0.0076	0.0238
180	0.0320	0.0077	0.0242
181	0.0334	0.0081	0.0253
182	0.0342	0.0083	0.0259
183	0.0361	0.0087	0.0273
184	0.0371	0.0090	0.0281
185	0.0202	0.0049	0.0153
186	0.0216	0.0052	0.0163
187	0.0250	0.0061	0.0189
188	0.0273	0.0066	0.0207
189	0.0339	0.0082	0.0257
190	0.0391	0.0095	0.0296
191	0.0593	0.0144	0.0449
192	0.0861	0.0155	0.0706
193	0.3724	0.0155	0.3569
194	0.0467	0.0113	0.0354
195	0.0302	0.0073	0.0229
196	0.0231	0.0056	0.0175
197	0.0383	0.0093	0.0290
198	0.0351	0.0085	0.0266
199	0.0327	0.0079	0.0248
200	0.0307	0.0074	0.0233
201	0.0292	0.0071	0.0221
202	0.0278	0.0067	0.0211
203	0.0267	0.0065	0.0202
204	0.0257	0.0062	0.0195
205	0.0248	0.0060	0.0188
206	0.0240	0.0058	0.0182
207	0.0233	0.0057	0.0177
208	0.0227	0.0055	0.0172
209	0.0221	0.0054	0.0168
210	0.0216	0.0052	0.0164
211	0.0211	0.0051	0.0160
212	0.0206	0.0050	0.0156
213	0.0202	0.0049	0.0153
214	0.0198	0.0048	0.0150
215	0.0195	0.0047	0.0147
216	0.0191	0.0046	0.0145
217	0.0106	0.0026	0.0080
218	0.0103	0.0025	0.0078
219	0.0100	0.0024	0.0076
220	0.0098	0.0024	0.0074
221	0.0096	0.0023	0.0072
222	0.0093	0.0023	0.0071
223	0.0091	0.0022	0.0069
224	0.0089	0.0022	0.0068
225	0.0087	0.0021	0.0066
226	0.0086	0.0021	0.0065

227	0.0084	0.0020	0.0064
228	0.0082	0.0020	0.0062
229	0.0081	0.0020	0.0061
230	0.0079	0.0019	0.0060
231	0.0078	0.0019	0.0059
232	0.0077	0.0019	0.0058
233	0.0075	0.0018	0.0057
234	0.0074	0.0018	0.0056
235	0.0073	0.0018	0.0055
236	0.0072	0.0017	0.0055
237	0.0071	0.0017	0.0054
238	0.0070	0.0017	0.0053
239	0.0069	0.0017	0.0052
240	0.0068	0.0016	0.0051
241	0.0067	0.0016	0.0051
242	0.0066	0.0016	0.0050
243	0.0065	0.0016	0.0049
244	0.0064	0.0016	0.0049
245	0.0063	0.0015	0.0048
246	0.0063	0.0015	0.0047
247	0.0062	0.0015	0.0047
248	0.0061	0.0015	0.0046
249	0.0060	0.0015	0.0046
250	0.0060	0.0014	0.0045
251	0.0059	0.0014	0.0045
252	0.0058	0.0014	0.0044
253	0.0058	0.0014	0.0044
254	0.0057	0.0014	0.0043
255	0.0056	0.0014	0.0043
256	0.0056	0.0014	0.0042
257	0.0055	0.0013	0.0042
258	0.0055	0.0013	0.0041
259	0.0054	0.0013	0.0041
260	0.0054	0.0013	0.0041
261	0.0053	0.0013	0.0040
262	0.0053	0.0013	0.0040
263	0.0052	0.0013	0.0039
264	0.0052	0.0012	0.0039
265	0.0051	0.0012	0.0039
266	0.0051	0.0012	0.0038
267	0.0050	0.0012	0.0038
268	0.0050	0.0012	0.0038
269	0.0049	0.0012	0.0037
270	0.0049	0.0012	0.0037
271	0.0048	0.0012	0.0037
272	0.0048	0.0012	0.0036
273	0.0048	0.0012	0.0036
274	0.0047	0.0011	0.0036
275	0.0047	0.0011	0.0036
276	0.0047	0.0011	0.0035

277	0.0046	0.0011	0.0035
278	0.0046	0.0011	0.0035
279	0.0045	0.0011	0.0034
280	0.0045	0.0011	0.0034
281	0.0045	0.0011	0.0034
282	0.0044	0.0011	0.0034
283	0.0044	0.0011	0.0033
284	0.0044	0.0011	0.0033
285	0.0043	0.0011	0.0033
286	0.0043	0.0010	0.0033
287	0.0043	0.0010	0.0032
288	0.0043	0.0010	0.0032

Total soil rain loss = 0.80(In)
Total effective rainfall = 2.83(In)
Peak flow rate in flood hydrograph = 5.77(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

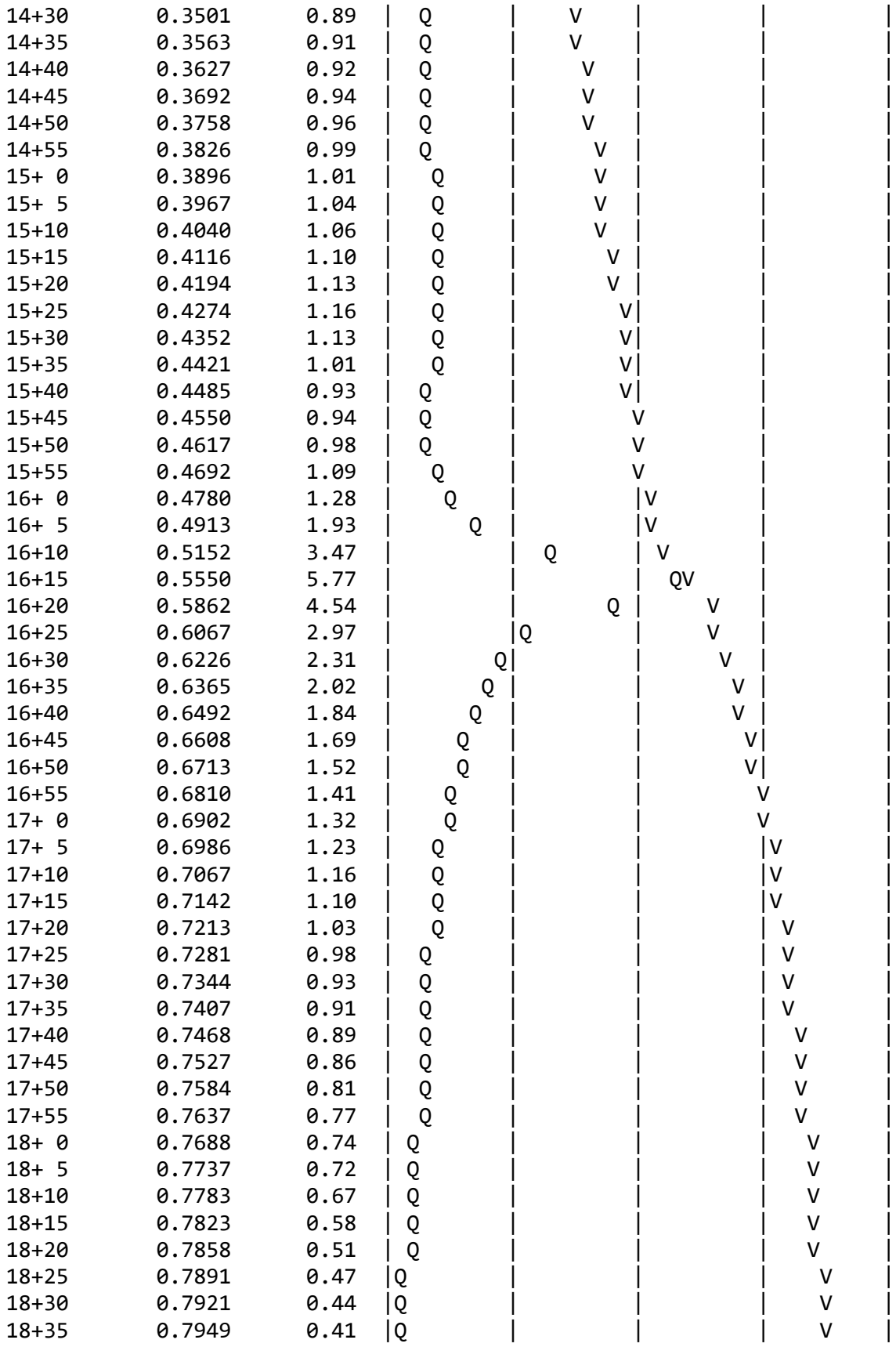
Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q	|	|	|	|
0+10	0.0001	0.02	Q	|	|	|	|
0+15	0.0005	0.06	Q	|	|	|	|
0+20	0.0011	0.09	Q	|	|	|	|
0+25	0.0019	0.10	Q	|	|	|	|
0+30	0.0026	0.11	Q	|	|	|	|
0+35	0.0035	0.12	Q	|	|	|	|
0+40	0.0044	0.13	Q	|	|	|	|
0+45	0.0053	0.13	Q	|	|	|	|
0+50	0.0062	0.14	Q	|	|	|	|
0+55	0.0072	0.14	Q	|	|	|	|
1+ 0	0.0081	0.14	Q	|	|	|	|
1+ 5	0.0091	0.14	Q	|	|	|	|
1+10	0.0101	0.15	Q	|	|	|	|
1+15	0.0112	0.15	Q	|	|	|	|
1+20	0.0122	0.15	Q	|	|	|	|
1+25	0.0132	0.15	Q	|	|	|	|
1+30	0.0143	0.15	Q	|	|	|	|
1+35	0.0154	0.15	Q	|	|	|	|
1+40	0.0164	0.15	Q	|	|	|	|
1+45	0.0175	0.16	Q	|	|	|	|
1+50	0.0186	0.16	Q	|	|	|	|
1+55	0.0197	0.16	Q	|	|	|	|

2+ 0	0.0207	0.16	Q	|	|	|	|
2+ 5	0.0218	0.16	Q	|	|	|	|
2+10	0.0229	0.16	QV	|	|	|	|
2+15	0.0240	0.16	QV	|	|	|	|
2+20	0.0252	0.16	QV	|	|	|	|
2+25	0.0263	0.16	QV	|	|	|	|
2+30	0.0274	0.16	QV	|	|	|	|
2+35	0.0285	0.16	QV	|	|	|	|
2+40	0.0296	0.16	QV	|	|	|	|
2+45	0.0308	0.16	QV	|	|	|	|
2+50	0.0319	0.16	QV	|	|	|	|
2+55	0.0330	0.17	QV	|	|	|	|
3+ 0	0.0342	0.17	QV	|	|	|	|
3+ 5	0.0353	0.17	QV	|	|	|	|
3+10	0.0365	0.17	QV	|	|	|	|
3+15	0.0376	0.17	QV	|	|	|	|
3+20	0.0388	0.17	QV	|	|	|	|
3+25	0.0400	0.17	QV	|	|	|	|
3+30	0.0411	0.17	QV	|	|	|	|
3+35	0.0423	0.17	QV	|	|	|	|
3+40	0.0435	0.17	QV	|	|	|	|
3+45	0.0447	0.17	QV	|	|	|	|
3+50	0.0459	0.17	Q V	|	|	|	|
3+55	0.0471	0.17	Q V	|	|	|	|
4+ 0	0.0483	0.17	Q V	|	|	|	|
4+ 5	0.0495	0.18	Q V	|	|	|	|
4+10	0.0507	0.18	Q V	|	|	|	|
4+15	0.0519	0.18	Q V	|	|	|	|
4+20	0.0532	0.18	Q V	|	|	|	|
4+25	0.0544	0.18	Q V	|	|	|	|
4+30	0.0556	0.18	Q V	|	|	|	|
4+35	0.0569	0.18	Q V	|	|	|	|
4+40	0.0581	0.18	Q V	|	|	|	|
4+45	0.0594	0.18	Q V	|	|	|	|
4+50	0.0606	0.18	Q V	|	|	|	|
4+55	0.0619	0.18	Q V	|	|	|	|
5+ 0	0.0632	0.18	Q V	|	|	|	|
5+ 5	0.0644	0.19	Q V	|	|	|	|
5+10	0.0657	0.19	Q V	|	|	|	|
5+15	0.0670	0.19	Q V	|	|	|	|
5+20	0.0683	0.19	Q V	|	|	|	|
5+25	0.0696	0.19	Q V	|	|	|	|
5+30	0.0709	0.19	Q V	|	|	|	|
5+35	0.0723	0.19	Q V	|	|	|	|
5+40	0.0736	0.19	Q V	|	|	|	|
5+45	0.0749	0.19	Q V	|	|	|	|
5+50	0.0763	0.19	Q V	|	|	|	|
5+55	0.0776	0.20	Q V	|	|	|	|
6+ 0	0.0790	0.20	Q V	|	|	|	|
6+ 5	0.0803	0.20	Q V	|	|	|	|

6+10	0.0817	0.20	Q V	|	|	|	|
6+15	0.0831	0.20	Q V	|	|	|	|
6+20	0.0844	0.20	Q V	|	|	|	|
6+25	0.0858	0.20	Q V	|	|	|	|
6+30	0.0872	0.20	Q V	|	|	|	|
6+35	0.0886	0.20	Q V	|	|	|	|
6+40	0.0900	0.21	Q V	|	|	|	|
6+45	0.0915	0.21	Q V	|	|	|	|
6+50	0.0929	0.21	Q V	|	|	|	|
6+55	0.0943	0.21	Q V	|	|	|	|
7+ 0	0.0958	0.21	Q V	|	|	|	|
7+ 5	0.0972	0.21	Q V	|	|	|	|
7+10	0.0987	0.21	Q V	|	|	|	|
7+15	0.1002	0.21	Q V	|	|	|	|
7+20	0.1017	0.22	Q V	|	|	|	|
7+25	0.1031	0.22	Q V	|	|	|	|
7+30	0.1046	0.22	Q V	|	|	|	|
7+35	0.1062	0.22	Q V	|	|	|	|
7+40	0.1077	0.22	Q V	|	|	|	|
7+45	0.1092	0.22	Q V	|	|	|	|
7+50	0.1107	0.22	Q V	|	|	|	|
7+55	0.1123	0.22	Q V	|	|	|	|
8+ 0	0.1139	0.23	Q V	|	|	|	|
8+ 5	0.1154	0.23	Q V	|	|	|	|
8+10	0.1170	0.23	Q V	|	|	|	|
8+15	0.1186	0.23	Q V	|	|	|	|
8+20	0.1202	0.23	Q V	|	|	|	|
8+25	0.1218	0.23	Q V	|	|	|	|
8+30	0.1234	0.24	Q V	|	|	|	|
8+35	0.1251	0.24	Q V	|	|	|	|
8+40	0.1267	0.24	Q V	|	|	|	|
8+45	0.1284	0.24	Q V	|	|	|	|
8+50	0.1300	0.24	Q V	|	|	|	|
8+55	0.1317	0.24	Q V	|	|	|	|
9+ 0	0.1334	0.25	Q V	|	|	|	|
9+ 5	0.1351	0.25	Q V	|	|	|	|
9+10	0.1369	0.25	Q V	|	|	|	|
9+15	0.1386	0.25	|Q V	|	|	|	|
9+20	0.1403	0.25	|Q V	|	|	|	|
9+25	0.1421	0.26	|Q V	|	|	|	|
9+30	0.1439	0.26	|Q V	|	|	|	|
9+35	0.1457	0.26	|Q V	|	|	|	|
9+40	0.1475	0.26	|Q V	|	|	|	|
9+45	0.1493	0.26	|Q V	|	|	|	|
9+50	0.1511	0.27	|Q V	|	|	|	|
9+55	0.1530	0.27	|Q V	|	|	|	|
10+ 0	0.1548	0.27	|Q V	|	|	|	|
10+ 5	0.1567	0.27	|Q V	|	|	|	|
10+10	0.1586	0.28	|Q V	|	|	|	|
10+15	0.1605	0.28	|Q V	|	|	|	|

```
10+20       0.1625      0.28  |Q     V  |          |          |          |
10+25       0.1644      0.28  |Q     V  |          |          |          |
10+30       0.1664      0.29  |Q     V  |          |          |          |
10+35       0.1684      0.29  |Q     V  |          |          |          |
10+40       0.1704      0.29  |Q     V  |          |          |          |
10+45       0.1724      0.29  |Q     V  |          |          |          |
10+50       0.1745      0.30  |Q     V  |          |          |          |
10+55       0.1765      0.30  |Q     V  |          |          |          |
11+ 0       0.1786      0.30  |Q     V  |          |          |          |
11+ 5       0.1808      0.31  |Q      V |          |          |          |
11+10       0.1829      0.31  |Q      V |          |          |          |
11+15       0.1850      0.31  |Q      V |          |          |          |
11+20       0.1872      0.32  |Q      V |          |          |          |
11+25       0.1894      0.32  |Q      V |          |          |          |
11+30       0.1917      0.32  |Q      V |          |          |          |
11+35       0.1939      0.33  |Q      V |          |          |          |
11+40       0.1962      0.33  |Q      V |          |          |          |
11+45       0.1985      0.34  |Q      V |          |          |          |
11+50       0.2008      0.34  |Q      V |          |          |          |
11+55       0.2032      0.34  |Q       V|          |          |          |
12+ 0       0.2056      0.35  |Q       V|          |          |          |
12+ 5       0.2081      0.36  |Q       V|          |          |          |
12+10       0.2108      0.39  |Q       V|          |          |          |
12+15       0.2140      0.47  |Q       V|          |          |          |
12+20       0.2177      0.54  | Q      V|          |          |          |
12+25       0.2217      0.57  | Q      V|          |          |          |
12+30       0.2258      0.60  | Q       V          |          |          |
12+35       0.2300      0.62  | Q       V          |          |          |
12+40       0.2344      0.63  | Q       V          |          |          |
12+45       0.2388      0.65  | Q       V          |          |          |
12+50       0.2434      0.66  | Q       V          |          |          |
12+55       0.2480      0.67  | Q       |V         |          |          |
13+ 0       0.2527      0.68  | Q       |V         |          |          |
13+ 5       0.2575      0.70  | Q       |V         |          |          |
13+10       0.2624      0.71  | Q       |V         |          |          |
13+15       0.2673      0.72  | Q       |V         |          |          |
13+20       0.2723      0.73  | Q       | V        |          |          |
13+25       0.2774      0.74  | Q       | V        |          |          |
13+30       0.2825      0.74  | Q       | V        |          |          |
13+35       0.2877      0.75  |  Q      | V        |          |          |
13+40       0.2930      0.77  |  Q      |  V       |          |          |
13+45       0.2983      0.78  |  Q      |  V       |          |          |
13+50       0.3037      0.79  |  Q      |  V       |          |          |
13+55       0.3092      0.80  |  Q      |  V       |          |          |
14+ 0       0.3148      0.81  |  Q      |   V      |          |          |
14+ 5       0.3204      0.82  |  Q      |   V      |          |          |
14+10       0.3262      0.83  |  Q      |   V      |          |          |
14+15       0.3320      0.85  |  Q      |   V      |          |          |
14+20       0.3379      0.86  |  Q      |    V     |          |          |
14+25       0.3440      0.87  |  Q      |    V     |          |          |
```



```
18+40       0.7977      0.39  |Q        |         |         |    V    |
18+45       0.8002      0.38  |Q        |         |         |    V    |
18+50       0.8027      0.36  |Q        |         |         |    V    |
18+55       0.8051      0.35  |Q        |         |         |    V    |
19+ 0       0.8074      0.34  |Q        |         |         |    V    |
19+ 5       0.8097      0.33  |Q        |         |         |     V   |
19+10       0.8119      0.32  |Q        |         |         |     V   |
19+15       0.8140      0.31  |Q        |         |         |     V   |
19+20       0.8160      0.30  |Q        |         |         |     V   |
19+25       0.8181      0.29  |Q        |         |         |     V   |
19+30       0.8200      0.29  |Q        |         |         |     V   |
19+35       0.8219      0.28  |Q        |         |         |     V   |
19+40       0.8238      0.27  |Q        |         |         |     V   |
19+45       0.8257      0.27  |Q        |         |         |     V   |
19+50       0.8275      0.26  |Q        |         |         |     V   |
19+55       0.8293      0.26  |Q        |         |         |     V   |
20+ 0       0.8310      0.25  |Q        |         |         |     V   |
20+ 5       0.8327      0.25  Q         |         |         |      V  |
20+10       0.8344      0.25  Q         |         |         |      V  |
20+15       0.8361      0.24  Q         |         |         |      V  |
20+20       0.8377      0.24  Q         |         |         |      V  |
20+25       0.8394      0.24  Q         |         |         |      V  |
20+30       0.8410      0.23  Q         |         |         |      V  |
20+35       0.8425      0.23  Q         |         |         |      V  |
20+40       0.8441      0.23  Q         |         |         |      V  |
20+45       0.8456      0.22  Q         |         |         |      V  |
20+50       0.8472      0.22  Q         |         |         |      V  |
20+55       0.8487      0.22  Q         |         |         |      V  |
21+ 0       0.8501      0.22  Q         |         |         |      V  |
21+ 5       0.8516      0.21  Q         |         |         |      V  |
21+10       0.8530      0.21  Q         |         |         |      V  |
21+15       0.8545      0.21  Q         |         |         |       V |
21+20       0.8559      0.21  Q         |         |         |       V |
21+25       0.8573      0.20  Q         |         |         |       V |
21+30       0.8587      0.20  Q         |         |         |       V |
21+35       0.8600      0.20  Q         |         |         |       V |
21+40       0.8614      0.20  Q         |         |         |       V |
21+45       0.8627      0.19  Q         |         |         |       V |
21+50       0.8640      0.19  Q         |         |         |       V |
21+55       0.8654      0.19  Q         |         |         |       V |
22+ 0       0.8666      0.19  Q         |         |         |       V |
22+ 5       0.8679      0.19  Q         |         |         |       V |
22+10       0.8692      0.18  Q         |         |         |       V |
22+15       0.8705      0.18  Q         |         |         |       V |
22+20       0.8717      0.18  Q         |         |         |       V |
22+25       0.8729      0.18  Q         |         |         |       V |
22+30       0.8742      0.18  Q         |         |         |       V |
22+35       0.8754      0.18  Q         |         |         |       V |
22+40       0.8766      0.17  Q         |         |         |        V|
22+45       0.8778      0.17  Q         |         |         |        V|
```

22+50	0.8790	0.17	Q	|	|	|	V|
22+55	0.8801	0.17	Q	|	|	|	V|
23+ 0	0.8813	0.17	Q	|	|	|	V|
23+ 5	0.8824	0.17	Q	|	|	|	V|
23+10	0.8836	0.17	Q	|	|	|	V|
23+15	0.8847	0.16	Q	|	|	|	V|
23+20	0.8858	0.16	Q	|	|	|	V|
23+25	0.8870	0.16	Q	|	|	|	V|
23+30	0.8881	0.16	Q	|	|	|	V|
23+35	0.8892	0.16	Q	|	|	|	V|
23+40	0.8903	0.16	Q	|	|	|	V|
23+45	0.8913	0.16	Q	|	|	|	V|
23+50	0.8924	0.16	Q	|	|	|	V|
23+55	0.8935	0.15	Q	|	|	|	V|
24+ 0	0.8945	0.15	Q	|	|	|	V|
24+ 5	0.8956	0.15	Q	|	|	|	V|
24+10	0.8965	0.13	Q	|	|	|	V|
24+15	0.8971	0.09	Q	|	|	|	V|
24+20	0.8975	0.06	Q	|	|	|	V|
24+25	0.8979	0.05	Q	|	|	|	V|
24+30	0.8981	0.04	Q	|	|	|	V|

Appendix E – Unit Hydrograph (Post-Development)

- 100-Year Storm Event

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2004, Version 7.0

Study date 09/27/21

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
POSTDEVELOPED 100 YR UNIT HYDROGRAPH SUBAREA A
MGUBBAREINER 2021-09-27
--

Storm Event Year = 100

Antecedent Moisture Condition = 3

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 100		
2.40	1	1.31
Rainfall data for year 100		
2.40	6	3.05
Rainfall data for year 100		
2.40	24	6.31

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 3)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
32.0	52.0	2.40	1.000	0.785	0.190	0.149

Area-averaged adjusted loss rate Fm (In/Hr) = 0.149

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC3)	S	Pervious Yield Fr
0.46	0.190	32.0	52.0	9.23	0.231
1.94	0.810	98.0	98.0	0.20	0.962

Area-averaged catchment yield fraction, Y = 0.823
Area-averaged low loss fraction, Yb = 0.177
User entry of time of concentration = 0.090 (hours)
++
Watershed area = 2.40(Ac.)
Catchment Lag time = 0.072 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 115.7407
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.149(In/Hr)
Average low loss rate fraction (Yb) = 0.177 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.622(In)
Computed peak 30-minute rainfall = 1.064(In)
Specified peak 1-hour rainfall = 1.310(In)
Computed peak 3-hour rainfall = 2.199(In)
Specified peak 6-hour rainfall = 3.050(In)
Specified peak 24-hour rainfall = 6.310(In)

Rainfall depth area reduction factors:
Using a total area of 2.40(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.622(In)
30-minute factor = 1.000 Adjusted rainfall = 1.064(In)
1-hour factor = 1.000 Adjusted rainfall = 1.310(In)
3-hour factor = 1.000 Adjusted rainfall = 2.199(In)
6-hour factor = 1.000 Adjusted rainfall = 3.050(In)
24-hour factor = 1.000 Adjusted rainfall = 6.310(In)

U n i t H y d r o g r a p h
++

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 29.02 (CFS))	
1	22.244	6.456
2	72.542	14.599
3	87.498	4.341
4	93.933	1.868
5	97.199	0.948
6	98.743	0.448
7	100.000	0.365

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.6215	0.6215
2	0.7652	0.1437
3	0.8642	0.0990
4	0.9421	0.0779
5	1.0073	0.0652
6	1.0639	0.0566
7	1.1143	0.0504
8	1.1598	0.0455
9	1.2015	0.0417
10	1.2401	0.0386
11	1.2761	0.0360
12	1.3099	0.0337
13	1.3603	0.0504
14	1.4087	0.0484
15	1.4553	0.0466
16	1.5002	0.0450
17	1.5438	0.0435
18	1.5860	0.0422
19	1.6269	0.0410
20	1.6668	0.0398
21	1.7056	0.0388
22	1.7434	0.0378
23	1.7804	0.0369
24	1.8165	0.0361
25	1.8518	0.0353
26	1.8864	0.0346
27	1.9203	0.0339
28	1.9535	0.0332
29	1.9861	0.0326
30	2.0181	0.0320
31	2.0496	0.0315
32	2.0805	0.0309
33	2.1110	0.0304
34	2.1409	0.0299
35	2.1704	0.0295

36	2.1994	0.0290
37	2.2280	0.0286
38	2.2562	0.0282
39	2.2840	0.0278
40	2.3115	0.0274
41	2.3386	0.0271
42	2.3653	0.0267
43	2.3917	0.0264
44	2.4178	0.0261
45	2.4435	0.0258
46	2.4690	0.0255
47	2.4942	0.0252
48	2.5191	0.0249
49	2.5437	0.0246
50	2.5680	0.0244
51	2.5921	0.0241
52	2.6160	0.0239
53	2.6396	0.0236
54	2.6630	0.0234
55	2.6861	0.0231
56	2.7090	0.0229
57	2.7318	0.0227
58	2.7543	0.0225
59	2.7766	0.0223
60	2.7987	0.0221
61	2.8206	0.0219
62	2.8423	0.0217
63	2.8638	0.0215
64	2.8852	0.0214
65	2.9063	0.0212
66	2.9273	0.0210
67	2.9482	0.0208
68	2.9688	0.0207
69	2.9894	0.0205
70	3.0097	0.0204
71	3.0299	0.0202
72	3.0500	0.0201
73	3.0721	0.0221
74	3.0941	0.0220
75	3.1160	0.0219
76	3.1377	0.0217
77	3.1593	0.0216
78	3.1807	0.0215
79	3.2020	0.0213
80	3.2232	0.0212
81	3.2443	0.0211
82	3.2653	0.0209
83	3.2861	0.0208
84	3.3068	0.0207
85	3.3274	0.0206

86	3.3478	0.0205
87	3.3682	0.0204
88	3.3884	0.0202
89	3.4086	0.0201
90	3.4286	0.0200
91	3.4485	0.0199
92	3.4684	0.0198
93	3.4881	0.0197
94	3.5077	0.0196
95	3.5272	0.0195
96	3.5466	0.0194
97	3.5660	0.0193
98	3.5852	0.0192
99	3.6043	0.0191
100	3.6234	0.0190
101	3.6423	0.0190
102	3.6612	0.0189
103	3.6800	0.0188
104	3.6987	0.0187
105	3.7173	0.0186
106	3.7358	0.0185
107	3.7543	0.0184
108	3.7726	0.0184
109	3.7909	0.0183
110	3.8091	0.0182
111	3.8272	0.0181
112	3.8453	0.0180
113	3.8632	0.0180
114	3.8811	0.0179
115	3.8989	0.0178
116	3.9167	0.0177
117	3.9343	0.0177
118	3.9519	0.0176
119	3.9695	0.0175
120	3.9869	0.0175
121	4.0043	0.0174
122	4.0216	0.0173
123	4.0389	0.0173
124	4.0561	0.0172
125	4.0732	0.0171
126	4.0903	0.0171
127	4.1072	0.0170
128	4.1242	0.0169
129	4.1410	0.0169
130	4.1578	0.0168
131	4.1746	0.0167
132	4.1913	0.0167
133	4.2079	0.0166
134	4.2245	0.0166
135	4.2410	0.0165

136	4.2574	0.0164
137	4.2738	0.0164
138	4.2901	0.0163
139	4.3064	0.0163
140	4.3226	0.0162
141	4.3388	0.0162
142	4.3549	0.0161
143	4.3709	0.0161
144	4.3869	0.0160
145	4.4029	0.0160
146	4.4188	0.0159
147	4.4346	0.0158
148	4.4504	0.0158
149	4.4662	0.0157
150	4.4819	0.0157
151	4.4975	0.0156
152	4.5131	0.0156
153	4.5287	0.0155
154	4.5442	0.0155
155	4.5596	0.0155
156	4.5750	0.0154
157	4.5904	0.0154
158	4.6057	0.0153
159	4.6209	0.0153
160	4.6362	0.0152
161	4.6513	0.0152
162	4.6665	0.0151
163	4.6815	0.0151
164	4.6966	0.0150
165	4.7116	0.0150
166	4.7265	0.0150
167	4.7414	0.0149
168	4.7563	0.0149
169	4.7711	0.0148
170	4.7859	0.0148
171	4.8007	0.0147
172	4.8154	0.0147
173	4.8300	0.0147
174	4.8447	0.0146
175	4.8592	0.0146
176	4.8738	0.0145
177	4.8883	0.0145
178	4.9027	0.0145
179	4.9172	0.0144
180	4.9316	0.0144
181	4.9459	0.0143
182	4.9602	0.0143
183	4.9745	0.0143
184	4.9887	0.0142
185	5.0029	0.0142

186	5.0171	0.0142
187	5.0312	0.0141
188	5.0453	0.0141
189	5.0594	0.0141
190	5.0734	0.0140
191	5.0874	0.0140
192	5.1013	0.0140
193	5.1152	0.0139
194	5.1291	0.0139
195	5.1430	0.0138
196	5.1568	0.0138
197	5.1706	0.0138
198	5.1843	0.0137
199	5.1980	0.0137
200	5.2117	0.0137
201	5.2254	0.0136
202	5.2390	0.0136
203	5.2526	0.0136
204	5.2661	0.0136
205	5.2796	0.0135
206	5.2931	0.0135
207	5.3066	0.0135
208	5.3200	0.0134
209	5.3334	0.0134
210	5.3468	0.0134
211	5.3601	0.0133
212	5.3734	0.0133
213	5.3867	0.0133
214	5.3999	0.0132
215	5.4132	0.0132
216	5.4264	0.0132
217	5.4395	0.0132
218	5.4526	0.0131
219	5.4657	0.0131
220	5.4788	0.0131
221	5.4919	0.0130
222	5.5049	0.0130
223	5.5179	0.0130
224	5.5308	0.0130
225	5.5438	0.0129
226	5.5567	0.0129
227	5.5696	0.0129
228	5.5824	0.0129
229	5.5952	0.0128
230	5.6080	0.0128
231	5.6208	0.0128
232	5.6336	0.0127
233	5.6463	0.0127
234	5.6590	0.0127
235	5.6716	0.0127

236	5.6843	0.0126
237	5.6969	0.0126
238	5.7095	0.0126
239	5.7221	0.0126
240	5.7346	0.0125
241	5.7471	0.0125
242	5.7596	0.0125
243	5.7721	0.0125
244	5.7845	0.0124
245	5.7970	0.0124
246	5.8094	0.0124
247	5.8217	0.0124
248	5.8341	0.0123
249	5.8464	0.0123
250	5.8587	0.0123
251	5.8710	0.0123
252	5.8832	0.0123
253	5.8955	0.0122
254	5.9077	0.0122
255	5.9199	0.0122
256	5.9320	0.0122
257	5.9442	0.0121
258	5.9563	0.0121
259	5.9684	0.0121
260	5.9804	0.0121
261	5.9925	0.0121
262	6.0045	0.0120
263	6.0165	0.0120
264	6.0285	0.0120
265	6.0405	0.0120
266	6.0524	0.0119
267	6.0644	0.0119
268	6.0763	0.0119
269	6.0881	0.0119
270	6.1000	0.0119
271	6.1118	0.0118
272	6.1236	0.0118
273	6.1354	0.0118
274	6.1472	0.0118
275	6.1590	0.0118
276	6.1707	0.0117
277	6.1824	0.0117
278	6.1941	0.0117
279	6.2058	0.0117
280	6.2174	0.0117
281	6.2291	0.0116
282	6.2407	0.0116
283	6.2523	0.0116
284	6.2639	0.0116
285	6.2754	0.0116

286	6.2870	0.0115	
287	6.2985	0.0115	
288	6.3100	0.0115	

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0115	0.0020	0.0095
2	0.0115	0.0020	0.0095
3	0.0116	0.0020	0.0095
4	0.0116	0.0020	0.0095
5	0.0116	0.0021	0.0096
6	0.0116	0.0021	0.0096
7	0.0117	0.0021	0.0096
8	0.0117	0.0021	0.0096
9	0.0117	0.0021	0.0097
10	0.0118	0.0021	0.0097
11	0.0118	0.0021	0.0097
12	0.0118	0.0021	0.0097
13	0.0119	0.0021	0.0098
14	0.0119	0.0021	0.0098
15	0.0119	0.0021	0.0098
16	0.0119	0.0021	0.0098
17	0.0120	0.0021	0.0099
18	0.0120	0.0021	0.0099
19	0.0121	0.0021	0.0099
20	0.0121	0.0021	0.0099
21	0.0121	0.0021	0.0100
22	0.0121	0.0021	0.0100
23	0.0122	0.0022	0.0100
24	0.0122	0.0022	0.0101
25	0.0123	0.0022	0.0101
26	0.0123	0.0022	0.0101
27	0.0123	0.0022	0.0101
28	0.0123	0.0022	0.0102
29	0.0124	0.0022	0.0102
30	0.0124	0.0022	0.0102
31	0.0125	0.0022	0.0103
32	0.0125	0.0022	0.0103
33	0.0125	0.0022	0.0103
34	0.0126	0.0022	0.0103
35	0.0126	0.0022	0.0104
36	0.0126	0.0022	0.0104
37	0.0127	0.0022	0.0105
38	0.0127	0.0022	0.0105
39	0.0128	0.0023	0.0105
40	0.0128	0.0023	0.0105
41	0.0129	0.0023	0.0106
42	0.0129	0.0023	0.0106

43	0.0129	0.0023	0.0106
44	0.0130	0.0023	0.0107
45	0.0130	0.0023	0.0107
46	0.0130	0.0023	0.0107
47	0.0131	0.0023	0.0108
48	0.0131	0.0023	0.0108
49	0.0132	0.0023	0.0109
50	0.0132	0.0023	0.0109
51	0.0133	0.0023	0.0109
52	0.0133	0.0024	0.0110
53	0.0134	0.0024	0.0110
54	0.0134	0.0024	0.0110
55	0.0135	0.0024	0.0111
56	0.0135	0.0024	0.0111
57	0.0136	0.0024	0.0112
58	0.0136	0.0024	0.0112
59	0.0136	0.0024	0.0112
60	0.0137	0.0024	0.0113
61	0.0137	0.0024	0.0113
62	0.0138	0.0024	0.0113
63	0.0138	0.0024	0.0114
64	0.0139	0.0025	0.0114
65	0.0140	0.0025	0.0115
66	0.0140	0.0025	0.0115
67	0.0141	0.0025	0.0116
68	0.0141	0.0025	0.0116
69	0.0142	0.0025	0.0117
70	0.0142	0.0025	0.0117
71	0.0143	0.0025	0.0118
72	0.0143	0.0025	0.0118
73	0.0144	0.0025	0.0118
74	0.0144	0.0026	0.0119
75	0.0145	0.0026	0.0119
76	0.0145	0.0026	0.0120
77	0.0146	0.0026	0.0120
78	0.0147	0.0026	0.0121
79	0.0147	0.0026	0.0121
80	0.0148	0.0026	0.0122
81	0.0149	0.0026	0.0122
82	0.0149	0.0026	0.0123
83	0.0150	0.0027	0.0123
84	0.0150	0.0027	0.0124
85	0.0151	0.0027	0.0125
86	0.0152	0.0027	0.0125
87	0.0153	0.0027	0.0126
88	0.0153	0.0027	0.0126
89	0.0154	0.0027	0.0127
90	0.0155	0.0027	0.0127
91	0.0155	0.0027	0.0128
92	0.0156	0.0028	0.0128

93	0.0157	0.0028	0.0129
94	0.0157	0.0028	0.0130
95	0.0158	0.0028	0.0130
96	0.0159	0.0028	0.0131
97	0.0160	0.0028	0.0132
98	0.0161	0.0028	0.0132
99	0.0162	0.0029	0.0133
100	0.0162	0.0029	0.0134
101	0.0163	0.0029	0.0134
102	0.0164	0.0029	0.0135
103	0.0165	0.0029	0.0136
104	0.0166	0.0029	0.0136
105	0.0167	0.0029	0.0137
106	0.0167	0.0030	0.0138
107	0.0169	0.0030	0.0139
108	0.0169	0.0030	0.0139
109	0.0171	0.0030	0.0140
110	0.0171	0.0030	0.0141
111	0.0173	0.0031	0.0142
112	0.0173	0.0031	0.0143
113	0.0175	0.0031	0.0144
114	0.0175	0.0031	0.0144
115	0.0177	0.0031	0.0145
116	0.0177	0.0031	0.0146
117	0.0179	0.0032	0.0147
118	0.0180	0.0032	0.0148
119	0.0181	0.0032	0.0149
120	0.0182	0.0032	0.0150
121	0.0184	0.0032	0.0151
122	0.0184	0.0033	0.0152
123	0.0186	0.0033	0.0153
124	0.0187	0.0033	0.0154
125	0.0189	0.0033	0.0155
126	0.0190	0.0034	0.0156
127	0.0191	0.0034	0.0158
128	0.0192	0.0034	0.0158
129	0.0194	0.0034	0.0160
130	0.0195	0.0035	0.0161
131	0.0197	0.0035	0.0162
132	0.0198	0.0035	0.0163
133	0.0200	0.0035	0.0165
134	0.0201	0.0036	0.0166
135	0.0204	0.0036	0.0168
136	0.0205	0.0036	0.0169
137	0.0207	0.0037	0.0170
138	0.0208	0.0037	0.0171
139	0.0211	0.0037	0.0173
140	0.0212	0.0037	0.0174
141	0.0215	0.0038	0.0177
142	0.0216	0.0038	0.0178

143	0.0219	0.0039	0.0180
144	0.0220	0.0039	0.0181
145	0.0201	0.0035	0.0165
146	0.0202	0.0036	0.0166
147	0.0205	0.0036	0.0169
148	0.0207	0.0037	0.0170
149	0.0210	0.0037	0.0173
150	0.0212	0.0037	0.0174
151	0.0215	0.0038	0.0177
152	0.0217	0.0038	0.0179
153	0.0221	0.0039	0.0182
154	0.0223	0.0039	0.0184
155	0.0227	0.0040	0.0187
156	0.0229	0.0041	0.0189
157	0.0234	0.0041	0.0192
158	0.0236	0.0042	0.0194
159	0.0241	0.0043	0.0198
160	0.0244	0.0043	0.0200
161	0.0249	0.0044	0.0205
162	0.0252	0.0045	0.0207
163	0.0258	0.0046	0.0212
164	0.0261	0.0046	0.0215
165	0.0267	0.0047	0.0220
166	0.0271	0.0048	0.0223
167	0.0278	0.0049	0.0229
168	0.0282	0.0050	0.0232
169	0.0290	0.0051	0.0239
170	0.0295	0.0052	0.0243
171	0.0304	0.0054	0.0250
172	0.0309	0.0055	0.0255
173	0.0320	0.0057	0.0264
174	0.0326	0.0058	0.0268
175	0.0339	0.0060	0.0279
176	0.0346	0.0061	0.0285
177	0.0361	0.0064	0.0297
178	0.0369	0.0065	0.0304
179	0.0388	0.0069	0.0319
180	0.0398	0.0070	0.0328
181	0.0422	0.0075	0.0347
182	0.0435	0.0077	0.0358
183	0.0466	0.0082	0.0384
184	0.0484	0.0086	0.0398
185	0.0337	0.0060	0.0278
186	0.0360	0.0064	0.0296
187	0.0417	0.0074	0.0343
188	0.0455	0.0081	0.0375
189	0.0566	0.0100	0.0466
190	0.0652	0.0115	0.0537
191	0.0990	0.0124	0.0865
192	0.1437	0.0124	0.1312

193	0.6215	0.0124	0.6091
194	0.0779	0.0124	0.0655
195	0.0504	0.0089	0.0415
196	0.0386	0.0068	0.0318
197	0.0504	0.0089	0.0415
198	0.0450	0.0080	0.0370
199	0.0410	0.0072	0.0337
200	0.0378	0.0067	0.0312
201	0.0353	0.0062	0.0291
202	0.0332	0.0059	0.0274
203	0.0315	0.0056	0.0259
204	0.0299	0.0053	0.0246
205	0.0286	0.0051	0.0236
206	0.0274	0.0049	0.0226
207	0.0264	0.0047	0.0217
208	0.0255	0.0045	0.0210
209	0.0246	0.0044	0.0203
210	0.0239	0.0042	0.0196
211	0.0231	0.0041	0.0191
212	0.0225	0.0040	0.0185
213	0.0219	0.0039	0.0180
214	0.0214	0.0038	0.0176
215	0.0208	0.0037	0.0172
216	0.0204	0.0036	0.0168
217	0.0221	0.0039	0.0182
218	0.0217	0.0038	0.0179
219	0.0213	0.0038	0.0176
220	0.0209	0.0037	0.0172
221	0.0206	0.0036	0.0169
222	0.0202	0.0036	0.0167
223	0.0199	0.0035	0.0164
224	0.0196	0.0035	0.0162
225	0.0193	0.0034	0.0159
226	0.0190	0.0034	0.0157
227	0.0188	0.0033	0.0155
228	0.0185	0.0033	0.0152
229	0.0183	0.0032	0.0150
230	0.0180	0.0032	0.0149
231	0.0178	0.0031	0.0147
232	0.0176	0.0031	0.0145
233	0.0174	0.0031	0.0143
234	0.0172	0.0030	0.0141
235	0.0170	0.0030	0.0140
236	0.0168	0.0030	0.0138
237	0.0166	0.0029	0.0137
238	0.0164	0.0029	0.0135
239	0.0163	0.0029	0.0134
240	0.0161	0.0028	0.0133
241	0.0160	0.0028	0.0131
242	0.0158	0.0028	0.0130

243	0.0156	0.0028	0.0129
244	0.0155	0.0027	0.0128
245	0.0154	0.0027	0.0126
246	0.0152	0.0027	0.0125
247	0.0151	0.0027	0.0124
248	0.0150	0.0026	0.0123
249	0.0148	0.0026	0.0122
250	0.0147	0.0026	0.0121
251	0.0146	0.0026	0.0120
252	0.0145	0.0026	0.0119
253	0.0143	0.0025	0.0118
254	0.0142	0.0025	0.0117
255	0.0141	0.0025	0.0116
256	0.0140	0.0025	0.0115
257	0.0139	0.0025	0.0115
258	0.0138	0.0024	0.0114
259	0.0137	0.0024	0.0113
260	0.0136	0.0024	0.0112
261	0.0135	0.0024	0.0111
262	0.0134	0.0024	0.0111
263	0.0133	0.0024	0.0110
264	0.0132	0.0023	0.0109
265	0.0132	0.0023	0.0108
266	0.0131	0.0023	0.0108
267	0.0130	0.0023	0.0107
268	0.0129	0.0023	0.0106
269	0.0128	0.0023	0.0106
270	0.0127	0.0023	0.0105
271	0.0127	0.0022	0.0104
272	0.0126	0.0022	0.0104
273	0.0125	0.0022	0.0103
274	0.0124	0.0022	0.0102
275	0.0124	0.0022	0.0102
276	0.0123	0.0022	0.0101
277	0.0122	0.0022	0.0101
278	0.0122	0.0022	0.0100
279	0.0121	0.0021	0.0100
280	0.0120	0.0021	0.0099
281	0.0120	0.0021	0.0098
282	0.0119	0.0021	0.0098
283	0.0118	0.0021	0.0097
284	0.0118	0.0021	0.0097
285	0.0117	0.0021	0.0096
286	0.0117	0.0021	0.0096
287	0.0116	0.0021	0.0095
288	0.0115	0.0020	0.0095

Total soil rain loss = 1.00(In)
Total effective rainfall = 5.31(In)

Peak flow rate in flood hydrograph = 10.13(CFS)

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24 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0004	0.06	Q				
0+10	0.0018	0.20	Q				
0+15	0.0035	0.24	Q				
0+20	0.0052	0.26	Q				
0+25	0.0071	0.27	Q				
0+30	0.0090	0.27	Q				
0+35	0.0109	0.28	Q				
0+40	0.0128	0.28	Q				
0+45	0.0147	0.28	Q				
0+50	0.0167	0.28	Q				
0+55	0.0186	0.28	Q				
1+ 0	0.0205	0.28	Q				
1+ 5	0.0225	0.28	Q				
1+10	0.0244	0.28	Q				
1+15	0.0264	0.28	Q				
1+20	0.0283	0.28	QV				
1+25	0.0303	0.29	QV				
1+30	0.0323	0.29	QV				
1+35	0.0343	0.29	QV				
1+40	0.0362	0.29	QV				
1+45	0.0382	0.29	QV				
1+50	0.0402	0.29	QV				
1+55	0.0422	0.29	QV				
2+ 0	0.0442	0.29	QV				
2+ 5	0.0462	0.29	QV				
2+10	0.0482	0.29	QV				
2+15	0.0503	0.29	QV				
2+20	0.0523	0.29	QV				
2+25	0.0543	0.29	Q V				
2+30	0.0563	0.30	Q V				
2+35	0.0584	0.30	Q V				
2+40	0.0604	0.30	Q V				
2+45	0.0625	0.30	Q V				
2+50	0.0646	0.30	Q V				
2+55	0.0666	0.30	Q V				
3+ 0	0.0687	0.30	Q V				
3+ 5	0.0708	0.30	Q V				
3+10	0.0729	0.30	Q V				
3+15	0.0750	0.30	Q V				

3+20	0.0771	0.30	Q V	|	|	|	|
3+25	0.0792	0.31	Q V	|	|	|	|
3+30	0.0813	0.31	Q V	|	|	|	|
3+35	0.0834	0.31	Q V	|	|	|	|
3+40	0.0855	0.31	Q V	|	|	|	|
3+45	0.0876	0.31	Q V	|	|	|	|
3+50	0.0898	0.31	Q V	|	|	|	|
3+55	0.0919	0.31	Q V	|	|	|	|
4+ 0	0.0941	0.31	Q V	|	|	|	|
4+ 5	0.0962	0.31	Q V	|	|	|	|
4+10	0.0984	0.31	Q V	|	|	|	|
4+15	0.1006	0.32	Q V	|	|	|	|
4+20	0.1028	0.32	Q V	|	|	|	|
4+25	0.1050	0.32	Q V	|	|	|	|
4+30	0.1072	0.32	Q V	|	|	|	|
4+35	0.1094	0.32	Q V	|	|	|	|
4+40	0.1116	0.32	Q V	|	|	|	|
4+45	0.1138	0.32	Q V	|	|	|	|
4+50	0.1160	0.32	Q V	|	|	|	|
4+55	0.1183	0.32	Q V	|	|	|	|
5+ 0	0.1205	0.33	Q V	|	|	|	|
5+ 5	0.1227	0.33	Q V	|	|	|	|
5+10	0.1250	0.33	Q V	|	|	|	|
5+15	0.1273	0.33	Q V	|	|	|	|
5+20	0.1295	0.33	Q V	|	|	|	|
5+25	0.1318	0.33	Q V	|	|	|	|
5+30	0.1341	0.33	Q V	|	|	|	|
5+35	0.1364	0.33	Q V	|	|	|	|
5+40	0.1387	0.34	Q V	|	|	|	|
5+45	0.1410	0.34	Q V	|	|	|	|
5+50	0.1434	0.34	Q V	|	|	|	|
5+55	0.1457	0.34	Q V	|	|	|	|
6+ 0	0.1481	0.34	Q V	|	|	|	|
6+ 5	0.1504	0.34	Q V	|	|	|	|
6+10	0.1528	0.34	Q V	|	|	|	|
6+15	0.1551	0.34	Q V	|	|	|	|
6+20	0.1575	0.35	Q V	|	|	|	|
6+25	0.1599	0.35	Q V	|	|	|	|
6+30	0.1623	0.35	Q V	|	|	|	|
6+35	0.1647	0.35	Q V	|	|	|	|
6+40	0.1672	0.35	Q V	|	|	|	|
6+45	0.1696	0.35	Q V	|	|	|	|
6+50	0.1720	0.35	Q V	|	|	|	|
6+55	0.1745	0.36	Q V	|	|	|	|
7+ 0	0.1769	0.36	Q V	|	|	|	|
7+ 5	0.1794	0.36	Q V	|	|	|	|
7+10	0.1819	0.36	Q V	|	|	|	|
7+15	0.1844	0.36	Q V	|	|	|	|
7+20	0.1869	0.36	Q V	|	|	|	|
7+25	0.1894	0.37	Q V	|	|	|	|

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 7+30       0.1920      0.37  Q      V  |          |          |          |
 7+35       0.1945      0.37  Q      V  |          |          |          |
 7+40       0.1970      0.37  Q      V  |          |          |          |
 7+45       0.1996      0.37  Q      V  |          |          |          |
 7+50       0.2022      0.37  Q      V  |          |          |          |
 7+55       0.2048      0.38  Q      V  |          |          |          |
 8+ 0       0.2074      0.38  Q      V  |          |          |          |
 8+ 5       0.2100      0.38  Q      V  |          |          |          |
 8+10       0.2126      0.38  Q       V |          |          |          |
 8+15       0.2153      0.38  Q       V |          |          |          |
 8+20       0.2179      0.39  Q       V |          |          |          |
 8+25       0.2206      0.39  Q       V |          |          |          |
 8+30       0.2233      0.39  Q       V |          |          |          |
 8+35       0.2260      0.39  Q       V |          |          |          |
 8+40       0.2287      0.39  Q       V |          |          |          |
 8+45       0.2314      0.40  Q       V |          |          |          |
 8+50       0.2341      0.40  Q       V |          |          |          |
 8+55       0.2369      0.40  Q       V |          |          |          |
 9+ 0       0.2397      0.40  Q        V|          |          |          |
 9+ 5       0.2424      0.40  Q        V|          |          |          |
 9+10       0.2452      0.41  Q        V|          |          |          |
 9+15       0.2481      0.41  Q        V|          |          |          |
 9+20       0.2509      0.41  Q        V|          |          |          |
 9+25       0.2537      0.41  Q        V|          |          |          |
 9+30       0.2566      0.42  Q        V|          |          |          |
 9+35       0.2595      0.42  Q        V|          |          |          |
 9+40       0.2624      0.42  Q        V|          |          |          |
 9+45       0.2653      0.42  Q        V|          |          |          |
 9+50       0.2682      0.43  Q         V          |          |          |
 9+55       0.2712      0.43  Q         V          |          |          |
10+ 0       0.2742      0.43  Q         V          |          |          |
10+ 5       0.2772      0.43  Q         V          |          |          |
10+10       0.2802      0.44  Q         V          |          |          |
10+15       0.2832      0.44  Q         V          |          |          |
10+20       0.2863      0.44  Q         V          |          |          |
10+25       0.2893      0.45  Q         V          |          |          |
10+30       0.2924      0.45  Q          |V         |          |          |
10+35       0.2955      0.45  Q          |V         |          |          |
10+40       0.2987      0.46  Q          |V         |          |          |
10+45       0.3018      0.46  Q          |V         |          |          |
10+50       0.3050      0.46  Q          |V         |          |          |
10+55       0.3082      0.47  Q          |V         |          |          |
11+ 0       0.3115      0.47  Q          |V         |          |          |
11+ 5       0.3147      0.47  Q          |V         |          |          |
11+10       0.3180      0.48  Q          |V         |          |          |
11+15       0.3213      0.48  Q          | V        |          |          |
11+20       0.3247      0.48  Q          | V        |          |          |
11+25       0.3280      0.49  Q          | V        |          |          |
11+30       0.3314      0.49  Q          | V        |          |          |
11+35       0.3349      0.50  Q          | V        |          |          |
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11+40       0.3383      0.50  |Q        | V       |         |         |
11+45       0.3418      0.51  |Q        | V       |         |         |
11+50       0.3453      0.51  |Q        |  V      |         |         |
11+55       0.3489      0.52  |Q        |  V      |         |         |
12+ 0       0.3524      0.52  |Q        |  V      |         |         |
12+ 5       0.3560      0.51  |Q        |  V      |         |         |
12+10       0.3594      0.49  Q        |  V      |         |         |
12+15       0.3627      0.49  Q        |  V      |         |         |
12+20       0.3661      0.49  Q        |  V      |         |         |
12+25       0.3695      0.49  Q        |  V      |         |         |
12+30       0.3730      0.50  |Q       |   V     |         |         |
12+35       0.3764      0.51  |Q       |   V     |         |         |
12+40       0.3800      0.51  |Q       |   V     |         |         |
12+45       0.3835      0.52  |Q       |   V     |         |         |
12+50       0.3872      0.53  |Q       |   V     |         |         |
12+55       0.3908      0.53  |Q       |   V     |         |         |
13+ 0       0.3945      0.54  |Q       |   V     |         |         |
13+ 5       0.3983      0.55  |Q       |    V    |         |         |
13+10       0.4021      0.56  |Q       |    V    |         |         |
13+15       0.4060      0.56  |Q       |    V    |         |         |
13+20       0.4099      0.57  |Q       |    V    |         |         |
13+25       0.4139      0.58  |Q       |    V    |         |         |
13+30       0.4180      0.59  |Q       |    V    |         |         |
13+35       0.4222      0.60  |Q       |    V    |         |         |
13+40       0.4264      0.61  |Q       |     V   |         |         |
13+45       0.4306      0.62  |Q       |     V   |         |         |
13+50       0.4350      0.63  |Q       |     V   |         |         |
13+55       0.4395      0.65  |Q       |     V   |         |         |
14+ 0       0.4440      0.66  |Q       |     V   |         |         |
14+ 5       0.4486      0.67  |Q       |     V   |         |         |
14+10       0.4534      0.69  |Q       |      V  |         |         |
14+15       0.4582      0.70  |Q       |      V  |         |         |
14+20       0.4632      0.72  |Q       |      V  |         |         |
14+25       0.4683      0.74  |Q       |      V  |         |         |
14+30       0.4735      0.76  |Q       |      V  |         |         |
14+35       0.4788      0.78  |Q       |       V |         |         |
14+40       0.4843      0.80  |Q       |       V |         |         |
14+45       0.4900      0.82  |Q       |       V |         |         |
14+50       0.4959      0.85  |Q       |       V |         |         |
14+55       0.5020      0.88  |Q       |       V |         |         |
15+ 0       0.5083      0.92  |Q       |        V|         |         |
15+ 5       0.5148      0.95  |Q       |        V|         |         |
15+10       0.5216      0.99  |Q       |        V|         |         |
15+15       0.5288      1.04  | Q      |        V|         |         |
15+20       0.5363      1.09  | Q      |         V         |         |
15+25       0.5436      1.05  | Q      |         V         |         |
15+30       0.5498      0.90  |Q       |         V         |         |
15+35       0.5561      0.91  |Q       |         V         |         |
15+40       0.5629      0.99  |Q       |         |V        |         |
15+45       0.5706      1.11  | Q      |         |V        |         |
```

```
15+50       0.5796      1.31  | Q       |         |V        |         |
15+55       0.5911      1.67  |  Q      |         | V       |         |
16+ 0       0.6083      2.49  |   Q     |         | V       |         |
16+ 5       0.6523      6.40  |         | Q       |   V     |         |
16+10       0.7221     10.13  |         |         Q      V  |         |
16+15       0.7513      4.24  |       Q |         |       V |         |
16+20       0.7679      2.41  |   Q     |         |       V |         |
16+25       0.7796      1.70  |  Q      |         |        V|         |
16+30       0.7896      1.44  | Q       |         |        V|         |
16+35       0.7984      1.29  | Q       |         |         V         |
16+40       0.8054      1.00  | Q       |         |         V         |
16+45       0.8117      0.93  |Q        |         |         V         |
16+50       0.8177      0.86  |Q        |         |         V         |
16+55       0.8233      0.81  |Q        |         |         |V        |
17+ 0       0.8286      0.77  |Q        |         |         |V        |
17+ 5       0.8336      0.73  |Q        |         |         |V        |
17+10       0.8384      0.70  |Q        |         |         |V        |
17+15       0.8430      0.67  |Q        |         |         |V        |
17+20       0.8474      0.64  |Q        |         |         |V        |
17+25       0.8516      0.62  |Q        |         |         | V       |
17+30       0.8557      0.60  |Q        |         |         | V       |
17+35       0.8597      0.58  |Q        |         |         | V       |
17+40       0.8636      0.56  |Q        |         |         | V       |
17+45       0.8673      0.54  |Q        |         |         | V       |
17+50       0.8709      0.53  |Q        |         |         | V       |
17+55       0.8745      0.51  |Q        |         |         | V       |
18+ 0       0.8779      0.50  |Q        |         |         |  V      |
18+ 5       0.8814      0.50  |Q        |         |         |  V      |
18+10       0.8850      0.52  |Q        |         |         |  V      |
18+15       0.8885      0.52  |Q        |         |         |  V      |
18+20       0.8920      0.51  |Q        |         |         |  V      |
18+25       0.8955      0.50  |Q        |         |         |  V      |
18+30       0.8989      0.49  Q         |         |         |  V      |
18+35       0.9022      0.49  Q         |         |         |  V      |
18+40       0.9055      0.48  Q         |         |         |   V     |
18+45       0.9088      0.47  Q         |         |         |   V     |
18+50       0.9120      0.46  Q         |         |         |   V     |
18+55       0.9151      0.46  Q         |         |         |   V     |
19+ 0       0.9182      0.45  Q         |         |         |   V     |
19+ 5       0.9213      0.44  Q         |         |         |   V     |
19+10       0.9243      0.44  Q         |         |         |   V     |
19+15       0.9273      0.43  Q         |         |         |   V     |
19+20       0.9302      0.43  Q         |         |         |    V    |
19+25       0.9331      0.42  Q         |         |         |    V    |
19+30       0.9360      0.42  Q         |         |         |    V    |
19+35       0.9388      0.41  Q         |         |         |    V    |
19+40       0.9416      0.41  Q         |         |         |    V    |
19+45       0.9444      0.40  Q         |         |         |    V    |
19+50       0.9472      0.40  Q         |         |         |    V    |
19+55       0.9499      0.39  Q         |         |         |    V    |
```

20+ 0	0.9526	0.39	Q	|	|	|	V |
20+ 5	0.9552	0.39	Q	|	|	|	V |
20+10	0.9578	0.38	Q	|	|	|	V |
20+15	0.9605	0.38	Q	|	|	|	V |
20+20	0.9630	0.37	Q	|	|	|	V |
20+25	0.9656	0.37	Q	|	|	|	V |
20+30	0.9681	0.37	Q	|	|	|	V |
20+35	0.9706	0.36	Q	|	|	|	V |
20+40	0.9731	0.36	Q	|	|	|	V |
20+45	0.9756	0.36	Q	|	|	|	V |
20+50	0.9780	0.36	Q	|	|	|	V |
20+55	0.9805	0.35	Q	|	|	|	V |
21+ 0	0.9829	0.35	Q	|	|	|	V |
21+ 5	0.9853	0.35	Q	|	|	|	V |
21+10	0.9876	0.34	Q	|	|	|	V |
21+15	0.9900	0.34	Q	|	|	|	V |
21+20	0.9923	0.34	Q	|	|	|	V |
21+25	0.9946	0.34	Q	|	|	|	V |
21+30	0.9969	0.33	Q	|	|	|	V |
21+35	0.9992	0.33	Q	|	|	|	V |
21+40	1.0014	0.33	Q	|	|	|	V |
21+45	1.0037	0.33	Q	|	|	|	V |
21+50	1.0059	0.32	Q	|	|	|	V |
21+55	1.0081	0.32	Q	|	|	|	V |
22+ 0	1.0103	0.32	Q	|	|	|	V |
22+ 5	1.0125	0.32	Q	|	|	|	V |
22+10	1.0147	0.32	Q	|	|	|	V |
22+15	1.0168	0.31	Q	|	|	|	V |
22+20	1.0190	0.31	Q	|	|	|	V |
22+25	1.0211	0.31	Q	|	|	|	V |
22+30	1.0232	0.31	Q	|	|	|	V |
22+35	1.0253	0.31	Q	|	|	|	V |
22+40	1.0274	0.30	Q	|	|	|	V |
22+45	1.0295	0.30	Q	|	|	|	V |
22+50	1.0316	0.30	Q	|	|	|	V |
22+55	1.0336	0.30	Q	|	|	|	V |
23+ 0	1.0356	0.30	Q	|	|	|	V|
23+ 5	1.0377	0.29	Q	|	|	|	V|
23+10	1.0397	0.29	Q	|	|	|	V|
23+15	1.0417	0.29	Q	|	|	|	V|
23+20	1.0437	0.29	Q	|	|	|	V|
23+25	1.0457	0.29	Q	|	|	|	V|
23+30	1.0476	0.29	Q	|	|	|	V|
23+35	1.0496	0.28	Q	|	|	|	V|
23+40	1.0516	0.28	Q	|	|	|	V|
23+45	1.0535	0.28	Q	|	|	|	V|
23+50	1.0554	0.28	Q	|	|	|	V|
23+55	1.0573	0.28	Q	|	|	|	V|
24+ 0	1.0593	0.28	Q	|	|	|	V|
24+ 5	1.0607	0.22	Q	|	|	|	V|

```
   24+10       1.0613      0.08  Q         |         |         |        V|
   24+15       1.0615      0.03  Q         |         |         |        V|
   24+20       1.0616      0.02  Q         |         |         |        V|
   24+25       1.0617      0.01  Q         |         |         |        V|
   24+30       1.0617      0.00  Q         |         |         |        V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2004, Version 7.0

Study date 09/27/21

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
POSTDEVELOPED 100 YR UNIT HYDROGRAPH SUBAREA B
MGUBBAREINER 2021-09-27
--

Storm Event Year = 100

Antecedent Moisture Condition = 3

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 100		
11.64	1	1.31
Rainfall data for year 100		
11.64	6	3.05
Rainfall data for year 100		
0.00	24	6.31
11.64	24	6.31

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 3)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
32.0	52.0	11.64	1.000	0.785	0.190	0.149

Area-averaged adjusted loss rate Fm (In/Hr) = 0.149

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC3)	S	Pervious Yield Fr
2.21	0.190	32.0	52.0	9.23	0.231
9.43	0.810	98.0	98.0	0.20	0.962

Area-averaged catchment yield fraction, Y = 0.823
Area-averaged low loss fraction, Yb = 0.177
User entry of time of concentration = 0.130 (hours)
++
Watershed area = 11.64(Ac.)
Catchment Lag time = 0.104 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 80.1282
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.149(In/Hr)
Average low loss rate fraction (Yb) = 0.177 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.622(In)
Computed peak 30-minute rainfall = 1.064(In)
Specified peak 1-hour rainfall = 1.310(In)
Computed peak 3-hour rainfall = 2.199(In)
Specified peak 6-hour rainfall = 3.050(In)
Specified peak 24-hour rainfall = 6.310(In)

Rainfall depth area reduction factors:
Using a total area of 11.64(Ac.) (Ref: fig. E-4)

5-minute factor = 0.999 Adjusted rainfall = 0.621(In)
30-minute factor = 0.999 Adjusted rainfall = 1.063(In)
1-hour factor = 0.999 Adjusted rainfall = 1.309(In)
3-hour factor = 1.000 Adjusted rainfall = 2.199(In)
6-hour factor = 1.000 Adjusted rainfall = 3.050(In)
24-hour factor = 1.000 Adjusted rainfall = 6.310(In)

U n i t H y d r o g r a p h

++

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 140.77 (CFS))	
1	10.763	15.151
2	57.466	65.745
3	77.881	28.738
4	86.957	12.776
5	92.047	7.166
6	95.237	4.490
7	97.251	2.835
8	98.331	1.520
9	99.257	1.304
10	100.000	1.046

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.6213	0.6213
2	0.7649	0.1436
3	0.8638	0.0989
4	0.9417	0.0779
5	1.0069	0.0652
6	1.0635	0.0566
7	1.1138	0.0503
8	1.1593	0.0455
9	1.2010	0.0417
10	1.2396	0.0386
11	1.2756	0.0360
12	1.3093	0.0337
13	1.3597	0.0504
14	1.4081	0.0484
15	1.4547	0.0466
16	1.4997	0.0450
17	1.5433	0.0435
18	1.5855	0.0422
19	1.6265	0.0410
20	1.6664	0.0399
21	1.7052	0.0388
22	1.7431	0.0379
23	1.7800	0.0370
24	1.8161	0.0361
25	1.8515	0.0353
26	1.8861	0.0346
27	1.9200	0.0339
28	1.9532	0.0332
29	1.9859	0.0326
30	2.0179	0.0320
31	2.0494	0.0315

32	2.0803	0.0309
33	2.1108	0.0304
34	2.1407	0.0300
35	2.1702	0.0295
36	2.1993	0.0291
37	2.2279	0.0286
38	2.2561	0.0282
39	2.2839	0.0278
40	2.3114	0.0274
41	2.3384	0.0271
42	2.3652	0.0267
43	2.3916	0.0264
44	2.4177	0.0261
45	2.4434	0.0258
46	2.4689	0.0255
47	2.4941	0.0252
48	2.5189	0.0249
49	2.5436	0.0246
50	2.5679	0.0244
51	2.5920	0.0241
52	2.6159	0.0239
53	2.6395	0.0236
54	2.6629	0.0234
55	2.6860	0.0231
56	2.7089	0.0229
57	2.7316	0.0227
58	2.7542	0.0225
59	2.7765	0.0223
60	2.7986	0.0221
61	2.8205	0.0219
62	2.8422	0.0217
63	2.8637	0.0215
64	2.8851	0.0214
65	2.9062	0.0212
66	2.9272	0.0210
67	2.9481	0.0208
68	2.9688	0.0207
69	2.9893	0.0205
70	3.0096	0.0204
71	3.0298	0.0202
72	3.0499	0.0201
73	3.0720	0.0221
74	3.0940	0.0220
75	3.1159	0.0219
76	3.1376	0.0217
77	3.1592	0.0216
78	3.1806	0.0215
79	3.2020	0.0213
80	3.2232	0.0212
81	3.2442	0.0211

82	3.2652	0.0209
83	3.2860	0.0208
84	3.3067	0.0207
85	3.3273	0.0206
86	3.3477	0.0205
87	3.3681	0.0204
88	3.3884	0.0202
89	3.4085	0.0201
90	3.4285	0.0200
91	3.4484	0.0199
92	3.4683	0.0198
93	3.4880	0.0197
94	3.5076	0.0196
95	3.5271	0.0195
96	3.5465	0.0194
97	3.5659	0.0193
98	3.5851	0.0192
99	3.6042	0.0191
100	3.6233	0.0190
101	3.6422	0.0190
102	3.6611	0.0189
103	3.6799	0.0188
104	3.6986	0.0187
105	3.7172	0.0186
106	3.7357	0.0185
107	3.7542	0.0184
108	3.7725	0.0184
109	3.7908	0.0183
110	3.8090	0.0182
111	3.8271	0.0181
112	3.8452	0.0180
113	3.8631	0.0180
114	3.8810	0.0179
115	3.8988	0.0178
116	3.9166	0.0177
117	3.9343	0.0177
118	3.9519	0.0176
119	3.9694	0.0175
120	3.9868	0.0175
121	4.0042	0.0174
122	4.0215	0.0173
123	4.0388	0.0173
124	4.0560	0.0172
125	4.0731	0.0171
126	4.0902	0.0171
127	4.1072	0.0170
128	4.1241	0.0169
129	4.1410	0.0169
130	4.1578	0.0168
131	4.1745	0.0167

132	4.1912	0.0167
133	4.2078	0.0166
134	4.2244	0.0166
135	4.2409	0.0165
136	4.2573	0.0164
137	4.2737	0.0164
138	4.2900	0.0163
139	4.3063	0.0163
140	4.3225	0.0162
141	4.3387	0.0162
142	4.3548	0.0161
143	4.3709	0.0161
144	4.3869	0.0160
145	4.4028	0.0160
146	4.4187	0.0159
147	4.4346	0.0158
148	4.4503	0.0158
149	4.4661	0.0157
150	4.4818	0.0157
151	4.4974	0.0156
152	4.5130	0.0156
153	4.5286	0.0155
154	4.5441	0.0155
155	4.5595	0.0155
156	4.5749	0.0154
157	4.5903	0.0154
158	4.6056	0.0153
159	4.6209	0.0153
160	4.6361	0.0152
161	4.6512	0.0152
162	4.6664	0.0151
163	4.6815	0.0151
164	4.6965	0.0150
165	4.7115	0.0150
166	4.7264	0.0150
167	4.7414	0.0149
168	4.7562	0.0149
169	4.7711	0.0148
170	4.7858	0.0148
171	4.8006	0.0147
172	4.8153	0.0147
173	4.8299	0.0147
174	4.8446	0.0146
175	4.8591	0.0146
176	4.8737	0.0145
177	4.8882	0.0145
178	4.9027	0.0145
179	4.9171	0.0144
180	4.9315	0.0144
181	4.9458	0.0143

182	4.9601	0.0143
183	4.9744	0.0143
184	4.9886	0.0142
185	5.0028	0.0142
186	5.0170	0.0142
187	5.0311	0.0141
188	5.0452	0.0141
189	5.0593	0.0141
190	5.0733	0.0140
191	5.0873	0.0140
192	5.1012	0.0140
193	5.1152	0.0139
194	5.1290	0.0139
195	5.1429	0.0138
196	5.1567	0.0138
197	5.1705	0.0138
198	5.1842	0.0137
199	5.1979	0.0137
200	5.2116	0.0137
201	5.2253	0.0136
202	5.2389	0.0136
203	5.2525	0.0136
204	5.2660	0.0136
205	5.2795	0.0135
206	5.2930	0.0135
207	5.3065	0.0135
208	5.3199	0.0134
209	5.3333	0.0134
210	5.3467	0.0134
211	5.3600	0.0133
212	5.3733	0.0133
213	5.3866	0.0133
214	5.3999	0.0132
215	5.4131	0.0132
216	5.4263	0.0132
217	5.4394	0.0132
218	5.4526	0.0131
219	5.4657	0.0131
220	5.4787	0.0131
221	5.4918	0.0130
222	5.5048	0.0130
223	5.5178	0.0130
224	5.5308	0.0130
225	5.5437	0.0129
226	5.5566	0.0129
227	5.5695	0.0129
228	5.5823	0.0129
229	5.5952	0.0128
230	5.6080	0.0128
231	5.6207	0.0128

232	5.6335	0.0127
233	5.6462	0.0127
234	5.6589	0.0127
235	5.6716	0.0127
236	5.6842	0.0126
237	5.6968	0.0126
238	5.7094	0.0126
239	5.7220	0.0126
240	5.7345	0.0125
241	5.7470	0.0125
242	5.7595	0.0125
243	5.7720	0.0125
244	5.7845	0.0124
245	5.7969	0.0124
246	5.8093	0.0124
247	5.8216	0.0124
248	5.8340	0.0123
249	5.8463	0.0123
250	5.8586	0.0123
251	5.8709	0.0123
252	5.8832	0.0123
253	5.8954	0.0122
254	5.9076	0.0122
255	5.9198	0.0122
256	5.9319	0.0122
257	5.9441	0.0121
258	5.9562	0.0121
259	5.9683	0.0121
260	5.9804	0.0121
261	5.9924	0.0121
262	6.0045	0.0120
263	6.0165	0.0120
264	6.0284	0.0120
265	6.0404	0.0120
266	6.0524	0.0119
267	6.0643	0.0119
268	6.0762	0.0119
269	6.0881	0.0119
270	6.0999	0.0119
271	6.1118	0.0118
272	6.1236	0.0118
273	6.1354	0.0118
274	6.1471	0.0118
275	6.1589	0.0118
276	6.1706	0.0117
277	6.1823	0.0117
278	6.1940	0.0117
279	6.2057	0.0117
280	6.2174	0.0117
281	6.2290	0.0116

282	6.2406	0.0116
283	6.2522	0.0116
284	6.2638	0.0116
285	6.2754	0.0116
286	6.2869	0.0115
287	6.2984	0.0115
288	6.3099	0.0115

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0115	0.0020	0.0095
2	0.0115	0.0020	0.0095
3	0.0116	0.0020	0.0095
4	0.0116	0.0020	0.0095
5	0.0116	0.0021	0.0096
6	0.0116	0.0021	0.0096
7	0.0117	0.0021	0.0096
8	0.0117	0.0021	0.0096
9	0.0117	0.0021	0.0097
10	0.0118	0.0021	0.0097
11	0.0118	0.0021	0.0097
12	0.0118	0.0021	0.0097
13	0.0119	0.0021	0.0098
14	0.0119	0.0021	0.0098
15	0.0119	0.0021	0.0098
16	0.0119	0.0021	0.0098
17	0.0120	0.0021	0.0099
18	0.0120	0.0021	0.0099
19	0.0121	0.0021	0.0099
20	0.0121	0.0021	0.0099
21	0.0121	0.0021	0.0100
22	0.0121	0.0021	0.0100
23	0.0122	0.0022	0.0100
24	0.0122	0.0022	0.0101
25	0.0123	0.0022	0.0101
26	0.0123	0.0022	0.0101
27	0.0123	0.0022	0.0101
28	0.0123	0.0022	0.0102
29	0.0124	0.0022	0.0102
30	0.0124	0.0022	0.0102
31	0.0125	0.0022	0.0103
32	0.0125	0.0022	0.0103
33	0.0125	0.0022	0.0103
34	0.0126	0.0022	0.0103
35	0.0126	0.0022	0.0104
36	0.0126	0.0022	0.0104
37	0.0127	0.0022	0.0105
38	0.0127	0.0022	0.0105

39	0.0128	0.0023	0.0105
40	0.0128	0.0023	0.0105
41	0.0129	0.0023	0.0106
42	0.0129	0.0023	0.0106
43	0.0129	0.0023	0.0106
44	0.0130	0.0023	0.0107
45	0.0130	0.0023	0.0107
46	0.0130	0.0023	0.0107
47	0.0131	0.0023	0.0108
48	0.0131	0.0023	0.0108
49	0.0132	0.0023	0.0109
50	0.0132	0.0023	0.0109
51	0.0133	0.0023	0.0109
52	0.0133	0.0024	0.0110
53	0.0134	0.0024	0.0110
54	0.0134	0.0024	0.0110
55	0.0135	0.0024	0.0111
56	0.0135	0.0024	0.0111
57	0.0136	0.0024	0.0112
58	0.0136	0.0024	0.0112
59	0.0136	0.0024	0.0112
60	0.0137	0.0024	0.0113
61	0.0137	0.0024	0.0113
62	0.0138	0.0024	0.0113
63	0.0138	0.0024	0.0114
64	0.0139	0.0025	0.0114
65	0.0140	0.0025	0.0115
66	0.0140	0.0025	0.0115
67	0.0141	0.0025	0.0116
68	0.0141	0.0025	0.0116
69	0.0142	0.0025	0.0117
70	0.0142	0.0025	0.0117
71	0.0143	0.0025	0.0118
72	0.0143	0.0025	0.0118
73	0.0144	0.0025	0.0118
74	0.0144	0.0026	0.0119
75	0.0145	0.0026	0.0119
76	0.0145	0.0026	0.0120
77	0.0146	0.0026	0.0120
78	0.0147	0.0026	0.0121
79	0.0147	0.0026	0.0121
80	0.0148	0.0026	0.0122
81	0.0149	0.0026	0.0122
82	0.0149	0.0026	0.0123
83	0.0150	0.0027	0.0123
84	0.0150	0.0027	0.0124
85	0.0151	0.0027	0.0125
86	0.0152	0.0027	0.0125
87	0.0153	0.0027	0.0126
88	0.0153	0.0027	0.0126

89	0.0154	0.0027	0.0127
90	0.0155	0.0027	0.0127
91	0.0155	0.0027	0.0128
92	0.0156	0.0028	0.0128
93	0.0157	0.0028	0.0129
94	0.0157	0.0028	0.0130
95	0.0158	0.0028	0.0130
96	0.0159	0.0028	0.0131
97	0.0160	0.0028	0.0132
98	0.0161	0.0028	0.0132
99	0.0162	0.0029	0.0133
100	0.0162	0.0029	0.0134
101	0.0163	0.0029	0.0134
102	0.0164	0.0029	0.0135
103	0.0165	0.0029	0.0136
104	0.0166	0.0029	0.0136
105	0.0167	0.0029	0.0137
106	0.0167	0.0030	0.0138
107	0.0169	0.0030	0.0139
108	0.0169	0.0030	0.0139
109	0.0171	0.0030	0.0140
110	0.0171	0.0030	0.0141
111	0.0173	0.0031	0.0142
112	0.0173	0.0031	0.0143
113	0.0175	0.0031	0.0144
114	0.0175	0.0031	0.0144
115	0.0177	0.0031	0.0145
116	0.0177	0.0031	0.0146
117	0.0179	0.0032	0.0147
118	0.0180	0.0032	0.0148
119	0.0181	0.0032	0.0149
120	0.0182	0.0032	0.0150
121	0.0184	0.0032	0.0151
122	0.0184	0.0033	0.0152
123	0.0186	0.0033	0.0153
124	0.0187	0.0033	0.0154
125	0.0189	0.0033	0.0155
126	0.0190	0.0034	0.0156
127	0.0191	0.0034	0.0158
128	0.0192	0.0034	0.0158
129	0.0194	0.0034	0.0160
130	0.0195	0.0035	0.0161
131	0.0197	0.0035	0.0162
132	0.0198	0.0035	0.0163
133	0.0200	0.0035	0.0165
134	0.0201	0.0036	0.0166
135	0.0204	0.0036	0.0168
136	0.0205	0.0036	0.0169
137	0.0207	0.0037	0.0170
138	0.0208	0.0037	0.0171

139	0.0211	0.0037	0.0173
140	0.0212	0.0037	0.0174
141	0.0215	0.0038	0.0177
142	0.0216	0.0038	0.0178
143	0.0219	0.0039	0.0180
144	0.0220	0.0039	0.0181
145	0.0201	0.0035	0.0165
146	0.0202	0.0036	0.0166
147	0.0205	0.0036	0.0169
148	0.0207	0.0037	0.0170
149	0.0210	0.0037	0.0173
150	0.0212	0.0037	0.0174
151	0.0215	0.0038	0.0177
152	0.0217	0.0038	0.0179
153	0.0221	0.0039	0.0182
154	0.0223	0.0039	0.0184
155	0.0227	0.0040	0.0187
156	0.0229	0.0041	0.0189
157	0.0234	0.0041	0.0192
158	0.0236	0.0042	0.0194
159	0.0241	0.0043	0.0198
160	0.0244	0.0043	0.0200
161	0.0249	0.0044	0.0205
162	0.0252	0.0045	0.0207
163	0.0258	0.0046	0.0212
164	0.0261	0.0046	0.0215
165	0.0267	0.0047	0.0220
166	0.0271	0.0048	0.0223
167	0.0278	0.0049	0.0229
168	0.0282	0.0050	0.0232
169	0.0291	0.0051	0.0239
170	0.0295	0.0052	0.0243
171	0.0304	0.0054	0.0251
172	0.0309	0.0055	0.0255
173	0.0320	0.0057	0.0264
174	0.0326	0.0058	0.0269
175	0.0339	0.0060	0.0279
176	0.0346	0.0061	0.0285
177	0.0361	0.0064	0.0297
178	0.0370	0.0065	0.0304
179	0.0388	0.0069	0.0320
180	0.0399	0.0070	0.0328
181	0.0422	0.0075	0.0347
182	0.0435	0.0077	0.0358
183	0.0466	0.0082	0.0384
184	0.0484	0.0086	0.0399
185	0.0337	0.0060	0.0278
186	0.0360	0.0064	0.0296
187	0.0417	0.0074	0.0343
188	0.0455	0.0080	0.0375

189	0.0566	0.0100	0.0466
190	0.0652	0.0115	0.0537
191	0.0989	0.0124	0.0865
192	0.1436	0.0124	0.1312
193	0.6213	0.0124	0.6088
194	0.0779	0.0124	0.0654
195	0.0503	0.0089	0.0414
196	0.0386	0.0068	0.0317
197	0.0504	0.0089	0.0415
198	0.0450	0.0080	0.0370
199	0.0410	0.0072	0.0337
200	0.0379	0.0067	0.0312
201	0.0353	0.0062	0.0291
202	0.0332	0.0059	0.0274
203	0.0315	0.0056	0.0259
204	0.0300	0.0053	0.0247
205	0.0286	0.0051	0.0236
206	0.0274	0.0049	0.0226
207	0.0264	0.0047	0.0217
208	0.0255	0.0045	0.0210
209	0.0246	0.0044	0.0203
210	0.0239	0.0042	0.0196
211	0.0231	0.0041	0.0191
212	0.0225	0.0040	0.0185
213	0.0219	0.0039	0.0180
214	0.0214	0.0038	0.0176
215	0.0208	0.0037	0.0172
216	0.0204	0.0036	0.0168
217	0.0221	0.0039	0.0182
218	0.0217	0.0038	0.0179
219	0.0213	0.0038	0.0176
220	0.0209	0.0037	0.0172
221	0.0206	0.0036	0.0169
222	0.0202	0.0036	0.0167
223	0.0199	0.0035	0.0164
224	0.0196	0.0035	0.0162
225	0.0193	0.0034	0.0159
226	0.0190	0.0034	0.0157
227	0.0188	0.0033	0.0155
228	0.0185	0.0033	0.0152
229	0.0183	0.0032	0.0150
230	0.0180	0.0032	0.0149
231	0.0178	0.0031	0.0147
232	0.0176	0.0031	0.0145
233	0.0174	0.0031	0.0143
234	0.0172	0.0030	0.0141
235	0.0170	0.0030	0.0140
236	0.0168	0.0030	0.0138
237	0.0166	0.0029	0.0137
238	0.0164	0.0029	0.0135

239	0.0163	0.0029	0.0134
240	0.0161	0.0028	0.0133
241	0.0160	0.0028	0.0131
242	0.0158	0.0028	0.0130
243	0.0156	0.0028	0.0129
244	0.0155	0.0027	0.0128
245	0.0154	0.0027	0.0126
246	0.0152	0.0027	0.0125
247	0.0151	0.0027	0.0124
248	0.0150	0.0026	0.0123
249	0.0148	0.0026	0.0122
250	0.0147	0.0026	0.0121
251	0.0146	0.0026	0.0120
252	0.0145	0.0026	0.0119
253	0.0143	0.0025	0.0118
254	0.0142	0.0025	0.0117
255	0.0141	0.0025	0.0116
256	0.0140	0.0025	0.0115
257	0.0139	0.0025	0.0115
258	0.0138	0.0024	0.0114
259	0.0137	0.0024	0.0113
260	0.0136	0.0024	0.0112
261	0.0135	0.0024	0.0111
262	0.0134	0.0024	0.0111
263	0.0133	0.0024	0.0110
264	0.0132	0.0023	0.0109
265	0.0132	0.0023	0.0108
266	0.0131	0.0023	0.0108
267	0.0130	0.0023	0.0107
268	0.0129	0.0023	0.0106
269	0.0128	0.0023	0.0106
270	0.0127	0.0023	0.0105
271	0.0127	0.0022	0.0104
272	0.0126	0.0022	0.0104
273	0.0125	0.0022	0.0103
274	0.0124	0.0022	0.0102
275	0.0124	0.0022	0.0102
276	0.0123	0.0022	0.0101
277	0.0122	0.0022	0.0101
278	0.0122	0.0022	0.0100
279	0.0121	0.0021	0.0100
280	0.0120	0.0021	0.0099
281	0.0120	0.0021	0.0098
282	0.0119	0.0021	0.0098
283	0.0118	0.0021	0.0097
284	0.0118	0.0021	0.0097
285	0.0117	0.0021	0.0096
286	0.0117	0.0021	0.0096
287	0.0116	0.0021	0.0095
288	0.0115	0.0020	0.0095

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      ---------------------------------------------------------------------
      ---------------------------------------------------------------------
      Total soil rain loss =      1.00(In)
      Total effective rainfall =      5.31(In)
      Peak flow rate in flood hydrograph =     46.71(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          24 - H O U R    S T O R M
                      R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       12.5      25.0      37.5      50.0
-------------------------------------------------------------------------
  0+ 5       0.0010      0.14  Q         |         |         |         |
  0+10       0.0063      0.77  Q         |         |         |         |
  0+15       0.0134      1.04  Q         |         |         |         |
  0+20       0.0214      1.16  Q         |         |         |         |
  0+25       0.0299      1.23  Q         |         |         |         |
  0+30       0.0387      1.28  VQ        |         |         |         |
  0+35       0.0478      1.31  VQ        |         |         |         |
  0+40       0.0569      1.33  VQ        |         |         |         |
  0+45       0.0662      1.34  VQ        |         |         |         |
  0+50       0.0755      1.36  VQ        |         |         |         |
  0+55       0.0849      1.36  VQ        |         |         |         |
  1+ 0       0.0943      1.36  VQ        |         |         |         |
  1+ 5       0.1037      1.37  VQ        |         |         |         |
  1+10       0.1131      1.37  VQ        |         |         |         |
  1+15       0.1226      1.37  VQ        |         |         |         |
  1+20       0.1321      1.38  |Q        |         |         |         |
  1+25       0.1416      1.38  |Q        |         |         |         |
  1+30       0.1511      1.39  |Q        |         |         |         |
  1+35       0.1607      1.39  |Q        |         |         |         |
  1+40       0.1703      1.39  |Q        |         |         |         |
  1+45       0.1799      1.40  |Q        |         |         |         |
  1+50       0.1895      1.40  |Q        |         |         |         |
  1+55       0.1992      1.40  |Q        |         |         |         |
  2+ 0       0.2089      1.41  |Q        |         |         |         |
  2+ 5       0.2186      1.41  |Q        |         |         |         |
  2+10       0.2284      1.42  |Q        |         |         |         |
  2+15       0.2382      1.42  |Q        |         |         |         |
  2+20       0.2480      1.42  |Q        |         |         |         |
  2+25       0.2578      1.43  |QV       |         |         |         |
  2+30       0.2677      1.43  |QV       |         |         |         |
  2+35       0.2776      1.44  |QV       |         |         |         |
  2+40       0.2875      1.44  |QV       |         |         |         |
  2+45       0.2974      1.44  |QV       |         |         |         |
  2+50       0.3074      1.45  |QV       |         |         |         |
  2+55       0.3174      1.45  |QV       |         |         |         |
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3+ 0	0.3275	1.46	|QV	|	|	|	|
3+ 5	0.3375	1.46	|QV	|	|	|	|
3+10	0.3476	1.47	|QV	|	|	|	|
3+15	0.3578	1.47	|QV	|	|	|	|
3+20	0.3679	1.48	|QV	|	|	|	|
3+25	0.3781	1.48	|QV	|	|	|	|
3+30	0.3884	1.49	|Q V	|	|	|	|
3+35	0.3986	1.49	|Q V	|	|	|	|
3+40	0.4089	1.49	|Q V	|	|	|	|
3+45	0.4192	1.50	|Q V	|	|	|	|
3+50	0.4296	1.50	|Q V	|	|	|	|
3+55	0.4400	1.51	|Q V	|	|	|	|
4+ 0	0.4504	1.51	|Q V	|	|	|	|
4+ 5	0.4609	1.52	|Q V	|	|	|	|
4+10	0.4713	1.52	|Q V	|	|	|	|
4+15	0.4819	1.53	|Q V	|	|	|	|
4+20	0.4924	1.53	|Q V	|	|	|	|
4+25	0.5030	1.54	|Q V	|	|	|	|
4+30	0.5137	1.54	|Q V	|	|	|	|
4+35	0.5243	1.55	|Q V	|	|	|	|
4+40	0.5350	1.55	|Q V	|	|	|	|
4+45	0.5458	1.56	|Q V	|	|	|	|
4+50	0.5566	1.57	|Q V	|	|	|	|
4+55	0.5674	1.57	|Q V	|	|	|	|
5+ 0	0.5782	1.58	|Q V	|	|	|	|
5+ 5	0.5891	1.58	|Q V	|	|	|	|
5+10	0.6001	1.59	|Q V	|	|	|	|
5+15	0.6110	1.59	|Q V	|	|	|	|
5+20	0.6220	1.60	|Q V	|	|	|	|
5+25	0.6331	1.60	|Q V	|	|	|	|
5+30	0.6442	1.61	|Q V	|	|	|	|
5+35	0.6553	1.62	|Q V	|	|	|	|
5+40	0.6665	1.62	|Q V	|	|	|	|
5+45	0.6777	1.63	|Q V	|	|	|	|
5+50	0.6890	1.64	|Q V	|	|	|	|
5+55	0.7003	1.64	|Q V	|	|	|	|
6+ 0	0.7116	1.65	|Q V	|	|	|	|
6+ 5	0.7230	1.65	|Q V	|	|	|	|
6+10	0.7345	1.66	|Q V	|	|	|	|
6+15	0.7459	1.67	|Q V	|	|	|	|
6+20	0.7575	1.67	|Q V	|	|	|	|
6+25	0.7690	1.68	|Q V	|	|	|	|
6+30	0.7807	1.69	|Q V	|	|	|	|
6+35	0.7923	1.69	|Q V	|	|	|	|
6+40	0.8040	1.70	|Q V	|	|	|	|
6+45	0.8158	1.71	|Q V	|	|	|	|
6+50	0.8276	1.72	|Q V	|	|	|	|
6+55	0.8395	1.72	|Q V	|	|	|	|
7+ 0	0.8514	1.73	|Q V	|	|	|	|
7+ 5	0.8634	1.74	|Q V	|	|	|	|

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 7+10       0.8754      1.75  |Q    V   |          |          |          |
 7+15       0.8875      1.75  |Q    V   |          |          |          |
 7+20       0.8996      1.76  |Q    V   |          |          |          |
 7+25       0.9118      1.77  |Q     V  |          |          |          |
 7+30       0.9240      1.78  |Q     V  |          |          |          |
 7+35       0.9363      1.78  |Q     V  |          |          |          |
 7+40       0.9487      1.79  |Q     V  |          |          |          |
 7+45       0.9611      1.80  |Q     V  |          |          |          |
 7+50       0.9735      1.81  |Q     V  |          |          |          |
 7+55       0.9861      1.82  |Q     V  |          |          |          |
 8+ 0       0.9987      1.83  |Q     V  |          |          |          |
 8+ 5       1.0113      1.84  |Q     V  |          |          |          |
 8+10       1.0240      1.85  |Q     V  |          |          |          |
 8+15       1.0368      1.85  |Q      V |          |          |          |
 8+20       1.0496      1.86  |Q      V |          |          |          |
 8+25       1.0625      1.87  |Q      V |          |          |          |
 8+30       1.0755      1.88  |Q      V |          |          |          |
 8+35       1.0885      1.89  |Q      V |          |          |          |
 8+40       1.1016      1.90  |Q      V |          |          |          |
 8+45       1.1148      1.91  |Q      V |          |          |          |
 8+50       1.1280      1.92  |Q      V |          |          |          |
 8+55       1.1414      1.93  |Q      V |          |          |          |
 9+ 0       1.1547      1.94  |Q      V |          |          |          |
 9+ 5       1.1682      1.95  |Q       V|          |          |          |
 9+10       1.1817      1.97  |Q       V|          |          |          |
 9+15       1.1953      1.98  |Q       V|          |          |          |
 9+20       1.2090      1.99  |Q       V|          |          |          |
 9+25       1.2228      2.00  |Q       V|          |          |          |
 9+30       1.2367      2.01  |Q       V|          |          |          |
 9+35       1.2506      2.02  |Q       V|          |          |          |
 9+40       1.2646      2.04  |Q       V|          |          |          |
 9+45       1.2787      2.05  |Q       V|          |          |          |
 9+50       1.2929      2.06  |Q        V          |          |          |
 9+55       1.3072      2.07  |Q        V          |          |          |
10+ 0       1.3216      2.09  |Q        V          |          |          |
10+ 5       1.3360      2.10  |Q        V          |          |          |
10+10       1.3506      2.11  |Q        V          |          |          |
10+15       1.3652      2.13  |Q        V          |          |          |
10+20       1.3800      2.14  |Q        V          |          |          |
10+25       1.3948      2.16  |Q        V          |          |          |
10+30       1.4098      2.17  |Q        V          |          |          |
10+35       1.4249      2.19  |Q        |V         |          |          |
10+40       1.4400      2.20  |Q        |V         |          |          |
10+45       1.4553      2.22  |Q        |V         |          |          |
10+50       1.4707      2.23  |Q        |V         |          |          |
10+55       1.4862      2.25  |Q        |V         |          |          |
11+ 0       1.5018      2.27  |Q        |V         |          |          |
11+ 5       1.5175      2.28  |Q        |V         |          |          |
11+10       1.5334      2.30  |Q        |V         |          |          |
11+15       1.5494      2.32  |Q        | V        |          |          |
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11+20       1.5655      2.34  |Q        | V       |         |         |
11+25       1.5818      2.36  |Q        | V       |         |         |
11+30       1.5982      2.38  |Q        | V       |         |         |
11+35       1.6147      2.40  |Q        | V       |         |         |
11+40       1.6314      2.42  |Q        | V       |         |         |
11+45       1.6482      2.44  |Q        | V       |         |         |
11+50       1.6651      2.46  |Q        | V       |         |         |
11+55       1.6823      2.49  |Q        |  V      |         |         |
12+ 0       1.6995      2.51  | Q       |  V      |         |         |
12+ 5       1.7168      2.50  | Q       |  V      |         |         |
12+10       1.7334      2.41  |Q        |  V      |         |         |
12+15       1.7498      2.38  |Q        |  V      |         |         |
12+20       1.7662      2.39  |Q        |  V      |         |         |
12+25       1.7827      2.40  |Q        |  V      |         |         |
12+30       1.7994      2.42  |Q        |  V      |         |         |
12+35       1.8162      2.44  |Q        |   V     |         |         |
12+40       1.8332      2.47  |Q        |   V     |         |         |
12+45       1.8504      2.50  |Q        |   V     |         |         |
12+50       1.8678      2.53  | Q       |   V     |         |         |
12+55       1.8855      2.56  | Q       |   V     |         |         |
13+ 0       1.9034      2.60  | Q       |   V     |         |         |
13+ 5       1.9215      2.63  | Q       |   V     |         |         |
13+10       1.9399      2.67  | Q       |    V    |         |         |
13+15       1.9586      2.71  | Q       |    V    |         |         |
13+20       1.9775      2.75  | Q       |    V    |         |         |
13+25       1.9968      2.79  | Q       |    V    |         |         |
13+30       2.0163      2.84  | Q       |    V    |         |         |
13+35       2.0362      2.89  | Q       |    V    |         |         |
13+40       2.0564      2.94  | Q       |    V    |         |         |
13+45       2.0770      2.99  | Q       |     V   |         |         |
13+50       2.0980      3.05  | Q       |     V   |         |         |
13+55       2.1193      3.10  | Q       |     V   |         |         |
14+ 0       2.1411      3.16  | Q       |     V   |         |         |
14+ 5       2.1633      3.23  | Q       |     V   |         |         |
14+10       2.1861      3.30  | Q       |     V   |         |         |
14+15       2.2093      3.37  | Q       |      V  |         |         |
14+20       2.2330      3.45  | Q       |      V  |         |         |
14+25       2.2574      3.53  | Q       |      V  |         |         |
14+30       2.2823      3.63  | Q       |      V  |         |         |
14+35       2.3079      3.72  | Q       |      V  |         |         |
14+40       2.3343      3.83  |  Q      |       V |         |         |
14+45       2.3614      3.94  |  Q      |       V |         |         |
14+50       2.3894      4.07  |  Q      |       V |         |         |
14+55       2.4183      4.20  |  Q      |       V |         |         |
15+ 0       2.4484      4.36  |  Q      |        V|         |         |
15+ 5       2.4794      4.51  |  Q      |        V|         |         |
15+10       2.5119      4.72  |  Q      |        V|         |         |
15+15       2.5458      4.91  |  Q      |        V|         |         |
15+20       2.5814      5.18  |   Q     |         V         |         |
15+25       2.6173      5.20  |   Q     |         V         |         |
```

15+30	2.6485	4.54	Q	V			
15+35	2.6790	4.43	Q	V			
15+40	2.7115	4.72	Q	V			
15+45	2.7470	5.16	Q	V			
15+50	2.7882	5.98	Q	V			
15+55	2.8382	7.26	Q	V			
16+ 0	2.9102	10.45	Q	V			
16+ 5	3.0600	21.74	Q	V			
16+10	3.3817	46.71	V	Q			
16+15	3.5554	25.23	Q	V			
16+20	3.6553	14.50	Q	V			
16+25	3.7250	10.12	Q	V			
16+30	3.7839	8.56	Q	V			
16+35	3.8337	7.23	Q	V			
16+40	3.8756	6.07	Q	V			
16+45	3.9136	5.52	Q	V			
16+50	3.9479	4.98	Q	V			
16+55	3.9763	4.12	Q	V			
17+ 0	4.0029	3.86	Q	V			
17+ 5	4.0281	3.66	Q	V			
17+10	4.0521	3.49	Q	V			
17+15	4.0750	3.33	Q	V			
17+20	4.0970	3.19	Q	V			
17+25	4.1181	3.06	Q	V			
17+30	4.1384	2.95	Q	V			
17+35	4.1581	2.85	Q	V			
17+40	4.1771	2.76	Q	V			
17+45	4.1956	2.68	Q	V			
17+50	4.2135	2.61	Q	V			
17+55	4.2310	2.54	Q	V			
18+ 0	4.2480	2.47	Q	V			
18+ 5	4.2648	2.44	Q	V			
18+10	4.2821	2.51	Q	V			
18+15	4.2993	2.51	Q	V			
18+20	4.3164	2.48	Q	V			
18+25	4.3333	2.45	Q	V			
18+30	4.3499	2.41	Q	V			
18+35	4.3663	2.38	Q	V			
18+40	4.3824	2.34	Q	V			
18+45	4.3982	2.30	Q	V			
18+50	4.4139	2.27	Q	V			
18+55	4.4293	2.24	Q	V			
19+ 0	4.4445	2.20	Q	V			
19+ 5	4.4594	2.17	Q	V			
19+10	4.4742	2.14	Q	V			
19+15	4.4888	2.12	Q	V			
19+20	4.5031	2.09	Q	V			
19+25	4.5174	2.06	Q	V			
19+30	4.5314	2.04	Q	V			
19+35	4.5452	2.01	Q	V			

19+40	4.5589	1.99	Q				V
19+45	4.5725	1.97	Q				V
19+50	4.5859	1.95	Q				V
19+55	4.5991	1.92	Q				V
20+ 0	4.6122	1.90	Q				V
20+ 5	4.6252	1.88	Q				V
20+10	4.6381	1.86	Q				V
20+15	4.6508	1.85	Q				V
20+20	4.6634	1.83	Q				V
20+25	4.6758	1.81	Q				V
20+30	4.6882	1.79	Q				V
20+35	4.7004	1.78	Q				V
20+40	4.7126	1.76	Q				V
20+45	4.7246	1.75	Q				V
20+50	4.7365	1.73	Q				V
20+55	4.7483	1.72	Q				V
21+ 0	4.7601	1.70	Q				V
21+ 5	4.7717	1.69	Q				V
21+10	4.7832	1.67	Q				V
21+15	4.7947	1.66	Q				V
21+20	4.8060	1.65	Q				V
21+25	4.8173	1.64	Q				V
21+30	4.8285	1.62	Q				V
21+35	4.8396	1.61	Q				V
21+40	4.8506	1.60	Q				V
21+45	4.8615	1.59	Q				V
21+50	4.8724	1.58	Q				V
21+55	4.8832	1.57	Q				V
22+ 0	4.8939	1.55	Q				V
22+ 5	4.9045	1.54	Q				V
22+10	4.9151	1.53	Q				V
22+15	4.9256	1.52	Q				V
22+20	4.9360	1.51	Q				V
22+25	4.9463	1.50	Q				V
22+30	4.9566	1.49	Q				V
22+35	4.9669	1.49	Q				V
22+40	4.9770	1.48	Q				V
22+45	4.9871	1.47	Q				V
22+50	4.9972	1.46	Q				V
22+55	5.0072	1.45	Q				V
23+ 0	5.0171	1.44	Q				V
23+ 5	5.0270	1.43	Q				V
23+10	5.0368	1.42	Q				V
23+15	5.0465	1.42	Q				V
23+20	5.0562	1.41	Q				V
23+25	5.0659	1.40	Q				V
23+30	5.0755	1.39	Q				V
23+35	5.0850	1.39	Q				V
23+40	5.0945	1.38	Q				V
23+45	5.1039	1.37	Q				V

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   23+50       5.1133      1.36  |Q        |         |         |        V|
   23+55       5.1227      1.36  |Q        |         |         |        V|
   24+ 0       5.1320      1.35  |Q        |         |         |        V|
   24+ 5       5.1402      1.20  Q         |         |         |        V|
   24+10       5.1442      0.57  Q         |         |         |        V|
   24+15       5.1462      0.30  Q         |         |         |        V|
   24+20       5.1474      0.18  Q         |         |         |        V|
   24+25       5.1482      0.11  Q         |         |         |        V|
   24+30       5.1486      0.06  Q         |         |         |        V|
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 09/27/21

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
POSTDEVELOPED 100 YR UNIT HYDROGRAPH SUBAREA C
MGUBBAREINER 2021-09-27
--

Storm Event Year = 100

Antecedent Moisture Condition = 3

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 100		
3.82	1	1.31
Rainfall data for year 100		
3.82	6	3.05
Rainfall data for year 100		
3.82	24	6.31

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 3)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
32.0	52.0	3.82	1.000	0.785	0.190	0.149

Area-averaged adjusted loss rate Fm (In/Hr) = 0.149

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC3)	S	Pervious Yield Fr
0.73	0.190	32.0	52.0	9.23	0.231
3.09	0.810	98.0	98.0	0.20	0.962

Area-averaged catchment yield fraction, Y = 0.823
Area-averaged low loss fraction, Yb = 0.177
User entry of time of concentration = 0.280 (hours)
++
Watershed area = 3.82(Ac.)
Catchment Lag time = 0.224 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 37.2024
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.149(In/Hr)
Average low loss rate fraction (Yb) = 0.177 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.622(In)
Computed peak 30-minute rainfall = 1.064(In)
Specified peak 1-hour rainfall = 1.310(In)
Computed peak 3-hour rainfall = 2.199(In)
Specified peak 6-hour rainfall = 3.050(In)
Specified peak 24-hour rainfall = 6.310(In)

Rainfall depth area reduction factors:
Using a total area of 3.82(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.621(In)
30-minute factor = 1.000 Adjusted rainfall = 1.064(In)
1-hour factor = 1.000 Adjusted rainfall = 1.310(In)
3-hour factor = 1.000 Adjusted rainfall = 2.199(In)
6-hour factor = 1.000 Adjusted rainfall = 3.050(In)
24-hour factor = 1.000 Adjusted rainfall = 6.310(In)

U n i t H y d r o g r a p h
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Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 46.20 (CFS))	
1	2.453	1.133
2	15.615	6.081
3	44.808	13.487
4	62.667	8.251
5	72.342	4.469
6	78.814	2.990
7	83.398	2.118
8	86.976	1.653
9	89.667	1.243
10	91.740	0.958
11	93.476	0.802
12	94.846	0.633
13	95.989	0.528
14	96.911	0.426
15	97.603	0.319
16	98.066	0.214
17	98.467	0.185
18	98.913	0.206
19	99.355	0.205
20	99.659	0.140
21	100.000	0.070

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.6215	0.6215
2	0.7652	0.1437
3	0.8641	0.0990
4	0.9420	0.0779
5	1.0072	0.0652
6	1.0639	0.0566
7	1.1142	0.0504
8	1.1598	0.0455
9	1.2015	0.0417
10	1.2400	0.0386
11	1.2760	0.0360
12	1.3098	0.0337
13	1.3602	0.0504
14	1.4086	0.0484
15	1.4552	0.0466
16	1.5002	0.0450
17	1.5437	0.0435
18	1.5859	0.0422
19	1.6269	0.0410
20	1.6667	0.0399
21	1.7055	0.0388

22	1.7434	0.0378
23	1.7803	0.0369
24	1.8164	0.0361
25	1.8518	0.0353
26	1.8864	0.0346
27	1.9202	0.0339
28	1.9535	0.0332
29	1.9861	0.0326
30	2.0181	0.0320
31	2.0496	0.0315
32	2.0805	0.0309
33	2.1109	0.0304
34	2.1409	0.0299
35	2.1704	0.0295
36	2.1994	0.0290
37	2.2280	0.0286
38	2.2562	0.0282
39	2.2840	0.0278
40	2.3115	0.0274
41	2.3385	0.0271
42	2.3653	0.0267
43	2.3917	0.0264
44	2.4177	0.0261
45	2.4435	0.0258
46	2.4690	0.0255
47	2.4942	0.0252
48	2.5190	0.0249
49	2.5437	0.0246
50	2.5680	0.0244
51	2.5921	0.0241
52	2.6160	0.0239
53	2.6396	0.0236
54	2.6630	0.0234
55	2.6861	0.0231
56	2.7090	0.0229
57	2.7317	0.0227
58	2.7542	0.0225
59	2.7765	0.0223
60	2.7986	0.0221
61	2.8205	0.0219
62	2.8423	0.0217
63	2.8638	0.0215
64	2.8851	0.0214
65	2.9063	0.0212
66	2.9273	0.0210
67	2.9482	0.0208
68	2.9688	0.0207
69	2.9893	0.0205
70	3.0097	0.0204
71	3.0299	0.0202

72	3.0500	0.0201
73	3.0721	0.0221
74	3.0941	0.0220
75	3.1160	0.0219
76	3.1377	0.0217
77	3.1593	0.0216
78	3.1807	0.0215
79	3.2020	0.0213
80	3.2232	0.0212
81	3.2443	0.0211
82	3.2652	0.0209
83	3.2861	0.0208
84	3.3068	0.0207
85	3.3273	0.0206
86	3.3478	0.0205
87	3.3682	0.0204
88	3.3884	0.0202
89	3.4086	0.0201
90	3.4286	0.0200
91	3.4485	0.0199
92	3.4683	0.0198
93	3.4881	0.0197
94	3.5077	0.0196
95	3.5272	0.0195
96	3.5466	0.0194
97	3.5660	0.0193
98	3.5852	0.0192
99	3.6043	0.0191
100	3.6234	0.0190
101	3.6423	0.0190
102	3.6612	0.0189
103	3.6800	0.0188
104	3.6987	0.0187
105	3.7173	0.0186
106	3.7358	0.0185
107	3.7542	0.0184
108	3.7726	0.0184
109	3.7909	0.0183
110	3.8091	0.0182
111	3.8272	0.0181
112	3.8452	0.0180
113	3.8632	0.0180
114	3.8811	0.0179
115	3.8989	0.0178
116	3.9167	0.0177
117	3.9343	0.0177
118	3.9519	0.0176
119	3.9695	0.0175
120	3.9869	0.0175
121	4.0043	0.0174

122	4.0216	0.0173
123	4.0389	0.0173
124	4.0561	0.0172
125	4.0732	0.0171
126	4.0902	0.0171
127	4.1072	0.0170
128	4.1242	0.0169
129	4.1410	0.0169
130	4.1578	0.0168
131	4.1746	0.0167
132	4.1913	0.0167
133	4.2079	0.0166
134	4.2244	0.0166
135	4.2409	0.0165
136	4.2574	0.0164
137	4.2738	0.0164
138	4.2901	0.0163
139	4.3064	0.0163
140	4.3226	0.0162
141	4.3388	0.0162
142	4.3549	0.0161
143	4.3709	0.0161
144	4.3869	0.0160
145	4.4029	0.0160
146	4.4188	0.0159
147	4.4346	0.0158
148	4.4504	0.0158
149	4.4662	0.0157
150	4.4819	0.0157
151	4.4975	0.0156
152	4.5131	0.0156
153	4.5286	0.0155
154	4.5441	0.0155
155	4.5596	0.0155
156	4.5750	0.0154
157	4.5904	0.0154
158	4.6057	0.0153
159	4.6209	0.0153
160	4.6361	0.0152
161	4.6513	0.0152
162	4.6664	0.0151
163	4.6815	0.0151
164	4.6966	0.0150
165	4.7116	0.0150
166	4.7265	0.0150
167	4.7414	0.0149
168	4.7563	0.0149
169	4.7711	0.0148
170	4.7859	0.0148
171	4.8007	0.0147

172	4.8154	0.0147
173	4.8300	0.0147
174	4.8446	0.0146
175	4.8592	0.0146
176	4.8738	0.0145
177	4.8883	0.0145
178	4.9027	0.0145
179	4.9172	0.0144
180	4.9315	0.0144
181	4.9459	0.0143
182	4.9602	0.0143
183	4.9745	0.0143
184	4.9887	0.0142
185	5.0029	0.0142
186	5.0171	0.0142
187	5.0312	0.0141
188	5.0453	0.0141
189	5.0593	0.0141
190	5.0734	0.0140
191	5.0874	0.0140
192	5.1013	0.0140
193	5.1152	0.0139
194	5.1291	0.0139
195	5.1430	0.0138
196	5.1568	0.0138
197	5.1705	0.0138
198	5.1843	0.0137
199	5.1980	0.0137
200	5.2117	0.0137
201	5.2253	0.0136
202	5.2390	0.0136
203	5.2525	0.0136
204	5.2661	0.0136
205	5.2796	0.0135
206	5.2931	0.0135
207	5.3066	0.0135
208	5.3200	0.0134
209	5.3334	0.0134
210	5.3468	0.0134
211	5.3601	0.0133
212	5.3734	0.0133
213	5.3867	0.0133
214	5.3999	0.0132
215	5.4131	0.0132
216	5.4263	0.0132
217	5.4395	0.0132
218	5.4526	0.0131
219	5.4657	0.0131
220	5.4788	0.0131
221	5.4919	0.0130

222	5.5049	0.0130
223	5.5179	0.0130
224	5.5308	0.0130
225	5.5438	0.0129
226	5.5567	0.0129
227	5.5695	0.0129
228	5.5824	0.0129
229	5.5952	0.0128
230	5.6080	0.0128
231	5.6208	0.0128
232	5.6335	0.0127
233	5.6463	0.0127
234	5.6590	0.0127
235	5.6716	0.0127
236	5.6843	0.0126
237	5.6969	0.0126
238	5.7095	0.0126
239	5.7221	0.0126
240	5.7346	0.0125
241	5.7471	0.0125
242	5.7596	0.0125
243	5.7721	0.0125
244	5.7845	0.0124
245	5.7969	0.0124
246	5.8093	0.0124
247	5.8217	0.0124
248	5.8341	0.0123
249	5.8464	0.0123
250	5.8587	0.0123
251	5.8710	0.0123
252	5.8832	0.0123
253	5.8955	0.0122
254	5.9077	0.0122
255	5.9198	0.0122
256	5.9320	0.0122
257	5.9442	0.0121
258	5.9563	0.0121
259	5.9684	0.0121
260	5.9804	0.0121
261	5.9925	0.0121
262	6.0045	0.0120
263	6.0165	0.0120
264	6.0285	0.0120
265	6.0405	0.0120
266	6.0524	0.0119
267	6.0643	0.0119
268	6.0762	0.0119
269	6.0881	0.0119
270	6.1000	0.0119
271	6.1118	0.0118

272	6.1236	0.0118
273	6.1354	0.0118
274	6.1472	0.0118
275	6.1590	0.0118
276	6.1707	0.0117
277	6.1824	0.0117
278	6.1941	0.0117
279	6.2058	0.0117
280	6.2174	0.0117
281	6.2291	0.0116
282	6.2407	0.0116
283	6.2523	0.0116
284	6.2639	0.0116
285	6.2754	0.0116
286	6.2870	0.0115
287	6.2985	0.0115
288	6.3100	0.0115

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0115	0.0020	0.0095
2	0.0115	0.0020	0.0095
3	0.0116	0.0020	0.0095
4	0.0116	0.0020	0.0095
5	0.0116	0.0021	0.0096
6	0.0116	0.0021	0.0096
7	0.0117	0.0021	0.0096
8	0.0117	0.0021	0.0096
9	0.0117	0.0021	0.0097
10	0.0118	0.0021	0.0097
11	0.0118	0.0021	0.0097
12	0.0118	0.0021	0.0097
13	0.0119	0.0021	0.0098
14	0.0119	0.0021	0.0098
15	0.0119	0.0021	0.0098
16	0.0119	0.0021	0.0098
17	0.0120	0.0021	0.0099
18	0.0120	0.0021	0.0099
19	0.0121	0.0021	0.0099
20	0.0121	0.0021	0.0099
21	0.0121	0.0021	0.0100
22	0.0121	0.0021	0.0100
23	0.0122	0.0022	0.0100
24	0.0122	0.0022	0.0101
25	0.0123	0.0022	0.0101
26	0.0123	0.0022	0.0101
27	0.0123	0.0022	0.0101
28	0.0123	0.0022	0.0102

29	0.0124	0.0022	0.0102
30	0.0124	0.0022	0.0102
31	0.0125	0.0022	0.0103
32	0.0125	0.0022	0.0103
33	0.0125	0.0022	0.0103
34	0.0126	0.0022	0.0103
35	0.0126	0.0022	0.0104
36	0.0126	0.0022	0.0104
37	0.0127	0.0022	0.0105
38	0.0127	0.0022	0.0105
39	0.0128	0.0023	0.0105
40	0.0128	0.0023	0.0105
41	0.0129	0.0023	0.0106
42	0.0129	0.0023	0.0106
43	0.0129	0.0023	0.0106
44	0.0130	0.0023	0.0107
45	0.0130	0.0023	0.0107
46	0.0130	0.0023	0.0107
47	0.0131	0.0023	0.0108
48	0.0131	0.0023	0.0108
49	0.0132	0.0023	0.0109
50	0.0132	0.0023	0.0109
51	0.0133	0.0023	0.0109
52	0.0133	0.0024	0.0110
53	0.0134	0.0024	0.0110
54	0.0134	0.0024	0.0110
55	0.0135	0.0024	0.0111
56	0.0135	0.0024	0.0111
57	0.0136	0.0024	0.0112
58	0.0136	0.0024	0.0112
59	0.0136	0.0024	0.0112
60	0.0137	0.0024	0.0113
61	0.0137	0.0024	0.0113
62	0.0138	0.0024	0.0113
63	0.0138	0.0024	0.0114
64	0.0139	0.0025	0.0114
65	0.0140	0.0025	0.0115
66	0.0140	0.0025	0.0115
67	0.0141	0.0025	0.0116
68	0.0141	0.0025	0.0116
69	0.0142	0.0025	0.0117
70	0.0142	0.0025	0.0117
71	0.0143	0.0025	0.0118
72	0.0143	0.0025	0.0118
73	0.0144	0.0025	0.0118
74	0.0144	0.0026	0.0119
75	0.0145	0.0026	0.0119
76	0.0145	0.0026	0.0120
77	0.0146	0.0026	0.0120
78	0.0147	0.0026	0.0121

79	0.0147	0.0026	0.0121
80	0.0148	0.0026	0.0122
81	0.0149	0.0026	0.0122
82	0.0149	0.0026	0.0123
83	0.0150	0.0027	0.0123
84	0.0150	0.0027	0.0124
85	0.0151	0.0027	0.0125
86	0.0152	0.0027	0.0125
87	0.0153	0.0027	0.0126
88	0.0153	0.0027	0.0126
89	0.0154	0.0027	0.0127
90	0.0155	0.0027	0.0127
91	0.0155	0.0027	0.0128
92	0.0156	0.0028	0.0128
93	0.0157	0.0028	0.0129
94	0.0157	0.0028	0.0130
95	0.0158	0.0028	0.0130
96	0.0159	0.0028	0.0131
97	0.0160	0.0028	0.0132
98	0.0161	0.0028	0.0132
99	0.0162	0.0029	0.0133
100	0.0162	0.0029	0.0134
101	0.0163	0.0029	0.0134
102	0.0164	0.0029	0.0135
103	0.0165	0.0029	0.0136
104	0.0166	0.0029	0.0136
105	0.0167	0.0029	0.0137
106	0.0167	0.0030	0.0138
107	0.0169	0.0030	0.0139
108	0.0169	0.0030	0.0139
109	0.0171	0.0030	0.0140
110	0.0171	0.0030	0.0141
111	0.0173	0.0031	0.0142
112	0.0173	0.0031	0.0143
113	0.0175	0.0031	0.0144
114	0.0175	0.0031	0.0144
115	0.0177	0.0031	0.0145
116	0.0177	0.0031	0.0146
117	0.0179	0.0032	0.0147
118	0.0180	0.0032	0.0148
119	0.0181	0.0032	0.0149
120	0.0182	0.0032	0.0150
121	0.0184	0.0032	0.0151
122	0.0184	0.0033	0.0152
123	0.0186	0.0033	0.0153
124	0.0187	0.0033	0.0154
125	0.0189	0.0033	0.0155
126	0.0190	0.0034	0.0156
127	0.0191	0.0034	0.0158
128	0.0192	0.0034	0.0158

129	0.0194	0.0034	0.0160
130	0.0195	0.0035	0.0161
131	0.0197	0.0035	0.0162
132	0.0198	0.0035	0.0163
133	0.0200	0.0035	0.0165
134	0.0201	0.0036	0.0166
135	0.0204	0.0036	0.0168
136	0.0205	0.0036	0.0169
137	0.0207	0.0037	0.0170
138	0.0208	0.0037	0.0171
139	0.0211	0.0037	0.0173
140	0.0212	0.0037	0.0174
141	0.0215	0.0038	0.0177
142	0.0216	0.0038	0.0178
143	0.0219	0.0039	0.0180
144	0.0220	0.0039	0.0181
145	0.0201	0.0035	0.0165
146	0.0202	0.0036	0.0166
147	0.0205	0.0036	0.0169
148	0.0207	0.0037	0.0170
149	0.0210	0.0037	0.0173
150	0.0212	0.0037	0.0174
151	0.0215	0.0038	0.0177
152	0.0217	0.0038	0.0179
153	0.0221	0.0039	0.0182
154	0.0223	0.0039	0.0184
155	0.0227	0.0040	0.0187
156	0.0229	0.0041	0.0189
157	0.0234	0.0041	0.0192
158	0.0236	0.0042	0.0194
159	0.0241	0.0043	0.0198
160	0.0244	0.0043	0.0200
161	0.0249	0.0044	0.0205
162	0.0252	0.0045	0.0207
163	0.0258	0.0046	0.0212
164	0.0261	0.0046	0.0215
165	0.0267	0.0047	0.0220
166	0.0271	0.0048	0.0223
167	0.0278	0.0049	0.0229
168	0.0282	0.0050	0.0232
169	0.0290	0.0051	0.0239
170	0.0295	0.0052	0.0243
171	0.0304	0.0054	0.0250
172	0.0309	0.0055	0.0255
173	0.0320	0.0057	0.0264
174	0.0326	0.0058	0.0268
175	0.0339	0.0060	0.0279
176	0.0346	0.0061	0.0285
177	0.0361	0.0064	0.0297
178	0.0369	0.0065	0.0304

179	0.0388	0.0069	0.0320
180	0.0399	0.0070	0.0328
181	0.0422	0.0075	0.0347
182	0.0435	0.0077	0.0358
183	0.0466	0.0082	0.0384
184	0.0484	0.0086	0.0398
185	0.0337	0.0060	0.0278
186	0.0360	0.0064	0.0296
187	0.0417	0.0074	0.0343
188	0.0455	0.0081	0.0375
189	0.0566	0.0100	0.0466
190	0.0652	0.0115	0.0537
191	0.0990	0.0124	0.0865
192	0.1437	0.0124	0.1312
193	0.6215	0.0124	0.6091
194	0.0779	0.0124	0.0655
195	0.0504	0.0089	0.0415
196	0.0386	0.0068	0.0318
197	0.0504	0.0089	0.0415
198	0.0450	0.0080	0.0370
199	0.0410	0.0072	0.0337
200	0.0378	0.0067	0.0312
201	0.0353	0.0062	0.0291
202	0.0332	0.0059	0.0274
203	0.0315	0.0056	0.0259
204	0.0299	0.0053	0.0246
205	0.0286	0.0051	0.0236
206	0.0274	0.0049	0.0226
207	0.0264	0.0047	0.0217
208	0.0255	0.0045	0.0210
209	0.0246	0.0044	0.0203
210	0.0239	0.0042	0.0196
211	0.0231	0.0041	0.0191
212	0.0225	0.0040	0.0185
213	0.0219	0.0039	0.0180
214	0.0214	0.0038	0.0176
215	0.0208	0.0037	0.0172
216	0.0204	0.0036	0.0168
217	0.0221	0.0039	0.0182
218	0.0217	0.0038	0.0179
219	0.0213	0.0038	0.0176
220	0.0209	0.0037	0.0172
221	0.0206	0.0036	0.0169
222	0.0202	0.0036	0.0167
223	0.0199	0.0035	0.0164
224	0.0196	0.0035	0.0162
225	0.0193	0.0034	0.0159
226	0.0190	0.0034	0.0157
227	0.0188	0.0033	0.0155
228	0.0185	0.0033	0.0152

229	0.0183	0.0032	0.0150
230	0.0180	0.0032	0.0149
231	0.0178	0.0031	0.0147
232	0.0176	0.0031	0.0145
233	0.0174	0.0031	0.0143
234	0.0172	0.0030	0.0141
235	0.0170	0.0030	0.0140
236	0.0168	0.0030	0.0138
237	0.0166	0.0029	0.0137
238	0.0164	0.0029	0.0135
239	0.0163	0.0029	0.0134
240	0.0161	0.0028	0.0133
241	0.0160	0.0028	0.0131
242	0.0158	0.0028	0.0130
243	0.0156	0.0028	0.0129
244	0.0155	0.0027	0.0128
245	0.0154	0.0027	0.0126
246	0.0152	0.0027	0.0125
247	0.0151	0.0027	0.0124
248	0.0150	0.0026	0.0123
249	0.0148	0.0026	0.0122
250	0.0147	0.0026	0.0121
251	0.0146	0.0026	0.0120
252	0.0145	0.0026	0.0119
253	0.0143	0.0025	0.0118
254	0.0142	0.0025	0.0117
255	0.0141	0.0025	0.0116
256	0.0140	0.0025	0.0115
257	0.0139	0.0025	0.0115
258	0.0138	0.0024	0.0114
259	0.0137	0.0024	0.0113
260	0.0136	0.0024	0.0112
261	0.0135	0.0024	0.0111
262	0.0134	0.0024	0.0111
263	0.0133	0.0024	0.0110
264	0.0132	0.0023	0.0109
265	0.0132	0.0023	0.0108
266	0.0131	0.0023	0.0108
267	0.0130	0.0023	0.0107
268	0.0129	0.0023	0.0106
269	0.0128	0.0023	0.0106
270	0.0127	0.0023	0.0105
271	0.0127	0.0022	0.0104
272	0.0126	0.0022	0.0104
273	0.0125	0.0022	0.0103
274	0.0124	0.0022	0.0102
275	0.0124	0.0022	0.0102
276	0.0123	0.0022	0.0101
277	0.0122	0.0022	0.0101
278	0.0122	0.0022	0.0100

279	0.0121	0.0021	0.0100
280	0.0120	0.0021	0.0099
281	0.0120	0.0021	0.0098
282	0.0119	0.0021	0.0098
283	0.0118	0.0021	0.0097
284	0.0118	0.0021	0.0097
285	0.0117	0.0021	0.0096
286	0.0117	0.0021	0.0096
287	0.0116	0.0021	0.0095
288	0.0115	0.0020	0.0095

Total soil rain loss = 1.00(In)
Total effective rainfall = 5.31(In)
Peak flow rate in flood hydrograph = 10.65(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0001	0.01	Q				
0+10	0.0005	0.07	Q				
0+15	0.0019	0.20	Q				
0+20	0.0038	0.27	Q				
0+25	0.0060	0.32	Q				
0+30	0.0084	0.35	Q				
0+35	0.0109	0.37	Q				
0+40	0.0135	0.38	Q				
0+45	0.0163	0.40	Q				
0+50	0.0191	0.41	Q				
0+55	0.0219	0.42	Q				
1+ 0	0.0248	0.42	Q				
1+ 5	0.0278	0.43	Q				
1+10	0.0308	0.43	Q				
1+15	0.0338	0.44	Q				
1+20	0.0368	0.44	Q				
1+25	0.0399	0.44	Q				
1+30	0.0430	0.45	QV				
1+35	0.0461	0.45	QV				
1+40	0.0492	0.45	QV				
1+45	0.0523	0.45	QV				
1+50	0.0555	0.46	QV				
1+55	0.0586	0.46	QV				
2+ 0	0.0618	0.46	QV				
2+ 5	0.0650	0.46	QV				

2+10	0.0681	0.46	QV	|	|	|	|
2+15	0.0713	0.46	QV	|	|	|	|
2+20	0.0745	0.46	QV	|	|	|	|
2+25	0.0777	0.47	QV	|	|	|	|
2+30	0.0809	0.47	QV	|	|	|	|
2+35	0.0842	0.47	QV	|	|	|	|
2+40	0.0874	0.47	Q V	|	|	|	|
2+45	0.0906	0.47	Q V	|	|	|	|
2+50	0.0939	0.47	Q V	|	|	|	|
2+55	0.0971	0.47	Q V	|	|	|	|
3+ 0	0.1004	0.47	Q V	|	|	|	|
3+ 5	0.1037	0.48	Q V	|	|	|	|
3+10	0.1070	0.48	Q V	|	|	|	|
3+15	0.1103	0.48	Q V	|	|	|	|
3+20	0.1136	0.48	Q V	|	|	|	|
3+25	0.1169	0.48	Q V	|	|	|	|
3+30	0.1202	0.48	Q V	|	|	|	|
3+35	0.1236	0.48	Q V	|	|	|	|
3+40	0.1269	0.49	Q V	|	|	|	|
3+45	0.1303	0.49	Q V	|	|	|	|
3+50	0.1336	0.49	Q V	|	|	|	|
3+55	0.1370	0.49	Q V	|	|	|	|
4+ 0	0.1404	0.49	Q V	|	|	|	|
4+ 5	0.1438	0.49	Q V	|	|	|	|
4+10	0.1472	0.50	Q V	|	|	|	|
4+15	0.1506	0.50	Q V	|	|	|	|
4+20	0.1541	0.50	Q V	|	|	|	|
4+25	0.1575	0.50	|Q V	|	|	|	|
4+30	0.1610	0.50	|Q V	|	|	|	|
4+35	0.1645	0.50	|Q V	|	|	|	|
4+40	0.1679	0.51	|Q V	|	|	|	|
4+45	0.1714	0.51	|Q V	|	|	|	|
4+50	0.1749	0.51	|Q V	|	|	|	|
4+55	0.1785	0.51	|Q V	|	|	|	|
5+ 0	0.1820	0.51	|Q V	|	|	|	|
5+ 5	0.1855	0.51	|Q V	|	|	|	|
5+10	0.1891	0.52	|Q V	|	|	|	|
5+15	0.1927	0.52	|Q V	|	|	|	|
5+20	0.1962	0.52	|Q V	|	|	|	|
5+25	0.1998	0.52	|Q V	|	|	|	|
5+30	0.2034	0.52	|Q V	|	|	|	|
5+35	0.2071	0.53	|Q V	|	|	|	|
5+40	0.2107	0.53	|Q V	|	|	|	|
5+45	0.2143	0.53	|Q V	|	|	|	|
5+50	0.2180	0.53	|Q V	|	|	|	|
5+55	0.2217	0.53	|Q V	|	|	|	|
6+ 0	0.2254	0.54	|Q V	|	|	|	|
6+ 5	0.2291	0.54	|Q V	|	|	|	|
6+10	0.2328	0.54	|Q V	|	|	|	|
6+15	0.2365	0.54	|Q V	|	|	|	|

6+20	0.2402	0.54	|Q V |	|	|	|
6+25	0.2440	0.55	|Q V |	|	|	|
6+30	0.2478	0.55	|Q V |	|	|	|
6+35	0.2516	0.55	|Q V |	|	|	|
6+40	0.2554	0.55	|Q V |	|	|	|
6+45	0.2592	0.55	|Q V |	|	|	|
6+50	0.2630	0.56	|Q V |	|	|	|
6+55	0.2669	0.56	|Q V |	|	|	|
7+ 0	0.2708	0.56	|Q V |	|	|	|
7+ 5	0.2746	0.56	|Q V |	|	|	|
7+10	0.2786	0.57	|Q V |	|	|	|
7+15	0.2825	0.57	|Q V |	|	|	|
7+20	0.2864	0.57	|Q V |	|	|	|
7+25	0.2904	0.57	|Q V |	|	|	|
7+30	0.2943	0.58	|Q V |	|	|	|
7+35	0.2983	0.58	|Q V |	|	|	|
7+40	0.3023	0.58	|Q V |	|	|	|
7+45	0.3064	0.58	|Q V |	|	|	|
7+50	0.3104	0.59	|Q V |	|	|	|
7+55	0.3145	0.59	|Q V |	|	|	|
8+ 0	0.3185	0.59	|Q V |	|	|	|
8+ 5	0.3227	0.60	|Q V |	|	|	|
8+10	0.3268	0.60	|Q V |	|	|	|
8+15	0.3309	0.60	|Q V |	|	|	|
8+20	0.3351	0.60	|Q V |	|	|	|
8+25	0.3393	0.61	|Q V |	|	|	|
8+30	0.3435	0.61	|Q V |	|	|	|
8+35	0.3477	0.61	|Q V |	|	|	|
8+40	0.3519	0.62	|Q V |	|	|	|
8+45	0.3562	0.62	|Q V |	|	|	|
8+50	0.3605	0.62	|Q V |	|	|	|
8+55	0.3648	0.63	|Q V |	|	|	|
9+ 0	0.3691	0.63	|Q V |	|	|	|
9+ 5	0.3735	0.63	|Q V |	|	|	|
9+10	0.3779	0.64	|Q V |	|	|	|
9+15	0.3823	0.64	|Q V|	|	|	|
9+20	0.3867	0.64	|Q V|	|	|	|
9+25	0.3912	0.65	|Q V|	|	|	|
9+30	0.3957	0.65	|Q V|	|	|	|
9+35	0.4002	0.65	|Q V|	|	|	|
9+40	0.4047	0.66	|Q V|	|	|	|
9+45	0.4093	0.66	|Q V|	|	|	|
9+50	0.4139	0.67	|Q V|	|	|	|
9+55	0.4185	0.67	|Q V|	|	|	|
10+ 0	0.4231	0.67	|Q V	|	|	|
10+ 5	0.4278	0.68	|Q V	|	|	|
10+10	0.4325	0.68	|Q V	|	|	|
10+15	0.4373	0.69	|Q V	|	|	|
10+20	0.4420	0.69	|Q V	|	|	|
10+25	0.4468	0.70	|Q V	|	|	|

```
10+30       0.4517      0.70  |Q        V         |         |         |
10+35       0.4565      0.71  |Q        V         |         |         |
10+40       0.4614      0.71  |Q        V         |         |         |
10+45       0.4664      0.72  |Q        |V        |         |         |
10+50       0.4713      0.72  |Q        |V        |         |         |
10+55       0.4763      0.73  |Q        |V        |         |         |
11+ 0       0.4814      0.73  |Q        |V        |         |         |
11+ 5       0.4864      0.74  |Q        |V        |         |         |
11+10       0.4916      0.74  |Q        |V        |         |         |
11+15       0.4967      0.75  |Q        |V        |         |         |
11+20       0.5019      0.75  |Q        |V        |         |         |
11+25       0.5071      0.76  |Q        | V       |         |         |
11+30       0.5124      0.77  |Q        | V       |         |         |
11+35       0.5178      0.77  |Q        | V       |         |         |
11+40       0.5231      0.78  |Q        | V       |         |         |
11+45       0.5285      0.79  |Q        | V       |         |         |
11+50       0.5340      0.79  |Q        | V       |         |         |
11+55       0.5395      0.80  |Q        | V       |         |         |
12+ 0       0.5451      0.81  |Q        | V       |         |         |
12+ 5       0.5507      0.81  |Q        |  V      |         |         |
12+10       0.5562      0.81  |Q        |  V      |         |         |
12+15       0.5617      0.79  |Q        |  V      |         |         |
12+20       0.5671      0.78  |Q        |  V      |         |         |
12+25       0.5725      0.79  |Q        |  V      |         |         |
12+30       0.5779      0.79  |Q        |  V      |         |         |
12+35       0.5834      0.79  |Q        |  V      |         |         |
12+40       0.5889      0.80  |Q        |  V      |         |         |
12+45       0.5944      0.81  |Q        |   V     |         |         |
12+50       0.6001      0.81  |Q        |   V     |         |         |
12+55       0.6057      0.82  |Q        |   V     |         |         |
13+ 0       0.6115      0.83  |Q        |   V     |         |         |
13+ 5       0.6173      0.84  |Q        |   V     |         |         |
13+10       0.6231      0.85  |Q        |   V     |         |         |
13+15       0.6291      0.87  |Q        |   V     |         |         |
13+20       0.6351      0.88  |Q        |    V    |         |         |
13+25       0.6413      0.89  |Q        |    V    |         |         |
13+30       0.6475      0.90  |Q        |    V    |         |         |
13+35       0.6538      0.92  |Q        |    V    |         |         |
13+40       0.6602      0.93  |Q        |    V    |         |         |
13+45       0.6667      0.95  |Q        |    V    |         |         |
13+50       0.6734      0.96  |Q        |    V    |         |         |
13+55       0.6801      0.98  |Q        |     V   |         |         |
14+ 0       0.6870      1.00  |Q        |     V   |         |         |
14+ 5       0.6940      1.02  | Q       |     V   |         |         |
14+10       0.7012      1.04  | Q       |     V   |         |         |
14+15       0.7085      1.06  | Q       |     V   |         |         |
14+20       0.7159      1.08  | Q       |     V   |         |         |
14+25       0.7235      1.11  | Q       |      V  |         |         |
14+30       0.7313      1.13  | Q       |      V  |         |         |
14+35       0.7393      1.16  | Q       |      V  |         |         |
```

14+40	0.7475	1.19	Q		V		
14+45	0.7560	1.22	Q		V		
14+50	0.7646	1.26	Q		V		
14+55	0.7736	1.30	Q		V		
15+ 0	0.7828	1.34	Q		V		
15+ 5	0.7924	1.39	Q		V		
15+10	0.8022	1.44	Q		V		
15+15	0.8125	1.50	Q		V		
15+20	0.8233	1.56	Q		V		
15+25	0.8344	1.62	Q		V		
15+30	0.8455	1.61	Q		V		
15+35	0.8558	1.50	Q		V		
15+40	0.8660	1.48	Q		V		
15+45	0.8767	1.55	Q		V		
15+50	0.8883	1.69	Q		V		
15+55	0.9016	1.93	Q		V		
16+ 0	0.9179	2.37	Q		V		
16+ 5	0.9437	3.74	Q		V		
16+10	0.9917	6.97	Q		V		
16+15	1.0650	10.65	Q		V		
16+20	1.1162	7.43	Q		V		
16+25	1.1502	4.94	Q		V		
16+30	1.1767	3.84	Q		V		
16+35	1.1992	3.27	Q		V		
16+40	1.2191	2.89	Q		V		
16+45	1.2365	2.53	Q		V		
16+50	1.2521	2.25	Q		V		
16+55	1.2662	2.05	Q		V		
17+ 0	1.2790	1.86	Q		V		
17+ 5	1.2908	1.71	Q		V		
17+10	1.3016	1.57	Q		V		
17+15	1.3115	1.44	Q		V		
17+20	1.3206	1.32	Q		V		
17+25	1.3293	1.26	Q		V		
17+30	1.3377	1.22	Q		V		
17+35	1.3457	1.17	Q		V		
17+40	1.3532	1.08	Q		V		
17+45	1.3601	1.00	Q		V		
17+50	1.3665	0.93	Q		V		
17+55	1.3727	0.90	Q		V		
18+ 0	1.3787	0.87	Q		V		
18+ 5	1.3845	0.85	Q		V		
18+10	1.3903	0.84	Q		V		
18+15	1.3960	0.84	Q		V		
18+20	1.4018	0.84	Q		V		
18+25	1.4075	0.83	Q		V		
18+30	1.4131	0.81	Q		V		
18+35	1.4186	0.80	Q		V		
18+40	1.4240	0.79	Q		V		
18+45	1.4294	0.78	Q		V		

```
18+50       1.4347      0.77  |Q        |         |         |   V     |
18+55       1.4399      0.75  |Q        |         |         |   V     |
19+ 0       1.4450      0.74  |Q        |         |         |   V     |
19+ 5       1.4500      0.73  |Q        |         |         |   V     |
19+10       1.4550      0.72  |Q        |         |         |   V     |
19+15       1.4599      0.71  |Q        |         |         |   V     |
19+20       1.4648      0.70  |Q        |         |         |   V     |
19+25       1.4696      0.69  |Q        |         |         |   V     |
19+30       1.4743      0.69  |Q        |         |         |   V     |
19+35       1.4790      0.68  |Q        |         |         |    V    |
19+40       1.4836      0.67  |Q        |         |         |    V    |
19+45       1.4881      0.66  |Q        |         |         |    V    |
19+50       1.4926      0.65  |Q        |         |         |    V    |
19+55       1.4971      0.65  |Q        |         |         |    V    |
20+ 0       1.5015      0.64  |Q        |         |         |    V    |
20+ 5       1.5058      0.63  |Q        |         |         |    V    |
20+10       1.5102      0.63  |Q        |         |         |    V    |
20+15       1.5144      0.62  |Q        |         |         |    V    |
20+20       1.5186      0.61  |Q        |         |         |     V   |
20+25       1.5228      0.61  |Q        |         |         |     V   |
20+30       1.5269      0.60  |Q        |         |         |     V   |
20+35       1.5310      0.59  |Q        |         |         |     V   |
20+40       1.5351      0.59  |Q        |         |         |     V   |
20+45       1.5391      0.58  |Q        |         |         |     V   |
20+50       1.5431      0.58  |Q        |         |         |     V   |
20+55       1.5470      0.57  |Q        |         |         |     V   |
21+ 0       1.5510      0.57  |Q        |         |         |     V   |
21+ 5       1.5548      0.56  |Q        |         |         |     V   |
21+10       1.5587      0.56  |Q        |         |         |     V   |
21+15       1.5625      0.55  |Q        |         |         |      V  |
21+20       1.5663      0.55  |Q        |         |         |      V  |
21+25       1.5700      0.55  |Q        |         |         |      V  |
21+30       1.5738      0.54  |Q        |         |         |      V  |
21+35       1.5775      0.54  |Q        |         |         |      V  |
21+40       1.5811      0.53  |Q        |         |         |      V  |
21+45       1.5848      0.53  |Q        |         |         |      V  |
21+50       1.5884      0.52  |Q        |         |         |      V  |
21+55       1.5920      0.52  |Q        |         |         |      V  |
22+ 0       1.5955      0.52  |Q        |         |         |      V  |
22+ 5       1.5991      0.51  |Q        |         |         |      V  |
22+10       1.6026      0.51  |Q        |         |         |       V |
22+15       1.6061      0.51  |Q        |         |         |       V |
22+20       1.6095      0.50  |Q        |         |         |       V |
22+25       1.6130      0.50  Q        |         |         |       V |
22+30       1.6164      0.50  Q        |         |         |       V |
22+35       1.6198      0.49  Q        |         |         |       V |
22+40       1.6232      0.49  Q        |         |         |       V |
22+45       1.6265      0.49  Q        |         |         |       V |
22+50       1.6299      0.48  Q        |         |         |       V |
22+55       1.6332      0.48  Q        |         |         |       V |
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23+ 0	1.6365	0.48	Q	|	|	|	V |
23+ 5	1.6397	0.48	Q	|	|	|	V |
23+10	1.6430	0.47	Q	|	|	|	V |
23+15	1.6462	0.47	Q	|	|	|	V|
23+20	1.6495	0.47	Q	|	|	|	V|
23+25	1.6526	0.46	Q	|	|	|	V|
23+30	1.6558	0.46	Q	|	|	|	V|
23+35	1.6590	0.46	Q	|	|	|	V|
23+40	1.6621	0.46	Q	|	|	|	V|
23+45	1.6653	0.45	Q	|	|	|	V|
23+50	1.6684	0.45	Q	|	|	|	V|
23+55	1.6715	0.45	Q	|	|	|	V|
24+ 0	1.6746	0.45	Q	|	|	|	V|
24+ 5	1.6775	0.43	Q	|	|	|	V|
24+10	1.6801	0.37	Q	|	|	|	V|
24+15	1.6818	0.25	Q	|	|	|	V|
24+20	1.6830	0.17	Q	|	|	|	V|
24+25	1.6838	0.12	Q	|	|	|	V|
24+30	1.6844	0.09	Q	|	|	|	V|

Appendix F – Basin Routing Analysis

- Basin Summary Table

Basin Requirements		
Storm Event	**Max Flow Allowed (CFS)**	**Required Retention (CF)**
10-Year	22.22	98,340
100-Year	27.89*	98,340

Basin Summary			
Drainage Area	**10-Year Max Flow (CFS)**	**100-Year Max Flow (CFS)**	**Provided Onsite Retention (CF)**
DA B and C (Basin 1 and CMP)	0.00	0.00	-
DA A (Basin 2 and CMP)	0.00	0.00	-
Total	0.00	0.00	348,521

Note: * Calculated Using Data for 25-Year Storm Event

Basin 1 (DA B and C)						
Elevation (ft)	**Surface Area (SF)**	**Depth (ft)**	**Basin Volume (CF)**	**CMP Volume (CF)**	**Volume (ac-ft)**	**Outflow (cfs)**
3588.00*	3,588	0.0	0	348,521	8.00	0.00
3589.00	3,589	1.0	7,045	348,521	8.16	0.00
3590.00**	3,590	2.0	15,410	348,521	8.35	0.00
3591.00***	3,591	3.0	25,167	348,521	8.58	0.00

Basin 2 (DA A)						
Elevation (ft)	**Surface Area (SF)**	**Depth (ft)**	**Basin Volume (CF)**	**CMP Volume (CF)**	**Volume (ac-ft)**	**Outflow (cfs)**
3588.00*	3,596	0.0	0	348,521	8.00	0.00
3589.00	3,597	1.0	6,964	348,521	8.16	0.00
3590.00**	3,598	2.0	15,271	348,521	8.35	0.00
3591.00***	3,599	3.0	24,994	348,521	8.57	0.00

Note: * Bottom of Basin w/ 4.0' of Engineered Soil with 35% Porosity

** Retention Volume

*** Top of Basin

**** The same underground CMP is shared between Basins 1 and 2

Summary Table			
Storm Event	**Storm Volume**	**Volume Retained******	**Max Flow Out (CFS)**
10-Year	182,860	379,202	0.00
100-Year	342,639	379,202	0.00

Drawdown Calculations

Area A **Basin 2**

WQMP Form 4.3-3			
2	0.9	in/hr	
3	2	Factor of Safety	
4	0.45	in/hr	3.6
5	96	hr	
6	3	ft	
7	3		
8	6961.21	sf	
9	4	ft	
10	0.35		
11	0	ft	
12	0		
13	3	DCV	5,929
14	31,412		530%

DCV	**5,929**	CF	Design Capture Volume		
1	104,677	SF	Site Area		
2	0.81		Imperviousness of Site		
3	0.61		Runoff Coefficient (Rc)		
4	0.458	IN	1hr 2Yr Rainfall	Valley	Desert
5	0.567	IN	Mean 6-hr Precipitation	1.4807	1.2371
6	48	HR	Drawdown Time		
C2=	1.582	24 hr			
	1.963	48 hr			

Area B+C **Basin 1**

WQMP Form 4.3-3			
2	0.7	in/hr	
3	2	Factor of Safety	
4	0.35	in/hr	2.8
5	96	hr	
6	3	ft	
7	3		
8	7044.87	sf	
9	4	ft	
10	0.35		
11	0	ft	
12	0		
13	3	DCV	38,147
14	31,614		83%

DCV	**38,147**	CF	Design Capture Volume		
1	673,436	SF	Site Area		
2	0.81		Imperviousness of Site		
3	0.61		Runoff Coefficient (Rc)		
4	0.458	IN	1hr 2Yr Rainfall	Valley	Desert
5	0.567	IN	Mean 6-hr Precipitation	1.4807	1.2371
6	48	HR	Drawdown Time		
C2=	1.582	24 hr			
	1.963	48 hr			

Combined DCV
44,076

NOAA ATLAS-14 RAINFALL DATA			
	2 YR	10 YR	100 YR
1 HR	0.458	0.785	1.31
6 HR	1.12	1.82	3.05
24 HR	2.11	3.63	6.31

Truck Dock CMP Infiltration

Infiltration	8.77	in/hr
	35.07	ft

	Basin 1 Drawdown	*Infiltration 0.7 in/hr*	**Basin 2 Drawdown**	*Infiltration 0.9 in/hr*
Drawdown (hr)	**IN**	**FT**	**IN**	**FT**
24	8.4	0.7	10.8	0.9
48	16.8	**1.4**	21.6	1.8
72	25.2	2.1	32.4	2.7
96	33.6	2.8	43.2	3.6

* Drawdown value selected: 1.4 FT

* 48 HR Drawdown Volume = 1.4 * Surface Area

	CMP Footprint (+6 for stone)	**VOL HOLD**	**Surface Area (SF)**	**48 HR Drawdown (CF)**	**V100**	**Leftover Volume**
1	730 x 116	348,521	84,680	2,969,445	342,639	
						-2,626,806
	total	348,521				-2,626,806
	Basin 1	25,167	7,045	9,863		
	Basin 2	24,994	6,961	9,746		
	total	398,681	98,686	2,989,054	122,371	-2,646,415

-31.3 FT of water left in chamber after 96 HR

Appendix G – Hydraulic Analysis
(Prepared in Final Engineering)

- Weir Calculations
- Pipe Sizing Calculations
- Catch Basin Calculations

Appendix H – Reference Documents

- Precipitation Data
- Hydrologic Soil Map
- Infiltration Report

NOAA Atlas 14, Volume 6, Version 2
Location name: Hesperia, California, USA*
Latitude: 34.4168°, Longitude: -117.3926°
Elevation: 3607.28 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.087 (0.072-0.106)	0.124 (0.102-0.151)	0.172 (0.142-0.211)	0.212 (0.173-0.262)	0.267 (0.211-0.341)	0.310 (0.240-0.404)	0.354 (0.267-0.473)	0.400 (0.294-0.550)	0.464 (0.327-0.665)	0.514 (0.350-0.762)
10-min	0.125 (0.103-0.152)	0.177 (0.147-0.217)	0.247 (0.203-0.302)	0.304 (0.248-0.375)	0.383 (0.303-0.489)	0.444 (0.344-0.579)	0.507 (0.383-0.678)	0.573 (0.421-0.788)	0.664 (0.468-0.953)	0.736 (0.501-1.09)
15-min	0.151 (0.125-0.184)	0.214 (0.177-0.262)	0.298 (0.246-0.366)	0.367 (0.300-0.454)	0.463 (0.366-0.591)	0.537 (0.416-0.700)	0.613 (0.463-0.820)	0.693 (0.509-0.953)	0.804 (0.566-1.15)	0.890 (0.606-1.32)
30-min	0.228 (0.189-0.278)	0.324 (0.268-0.396)	0.451 (0.371-0.552)	0.555 (0.454-0.686)	0.699 (0.553-0.893)	0.811 (0.628-1.06)	0.927 (0.700-1.24)	1.05 (0.769-1.44)	1.21 (0.855-1.74)	1.35 (0.915-2.00)
60-min	0.323 (0.267-0.394)	0.458 (0.379-0.560)	0.637 (0.525-0.781)	0.785 (0.642-0.970)	0.989 (0.782-1.26)	1.15 (0.888-1.50)	1.31 (0.990-1.75)	1.48 (1.09-2.04)	1.72 (1.21-2.46)	1.90 (1.30-2.82)
2-hr	0.473 (0.391-0.577)	0.641 (0.530-0.784)	0.869 (0.716-1.07)	1.06 (0.867-1.31)	1.33 (1.05-1.70)	1.54 (1.19-2.01)	1.76 (1.33-2.36)	2.00 (1.47-2.75)	2.33 (1.64-3.34)	2.59 (1.76-3.85)
3-hr	0.596 (0.494-0.728)	0.797 (0.659-0.974)	1.07 (0.882-1.31)	1.30 (1.06-1.61)	1.63 (1.29-2.08)	1.89 (1.46-2.46)	2.16 (1.63-2.89)	2.46 (1.81-3.38)	2.87 (2.02-4.12)	3.21 (2.19-4.77)
6-hr	0.849 (0.702-1.04)	1.12 (0.929-1.37)	1.50 (1.24-1.84)	1.82 (1.49-2.25)	2.28 (1.81-2.92)	2.66 (2.06-3.47)	3.05 (2.31-4.08)	3.48 (2.56-4.79)	4.10 (2.89-5.87)	4.60 (3.13-6.83)
12-hr	1.11 (0.918-1.35)	1.51 (1.24-1.84)	2.05 (1.69-2.51)	2.51 (2.05-3.10)	3.17 (2.51-4.06)	3.71 (2.87-4.84)	4.28 (3.23-5.72)	4.90 (3.60-6.73)	5.78 (4.07-8.29)	6.51 (4.43-9.66)
24-hr	1.50 (1.33-1.73)	2.11 (1.87-2.43)	2.93 (2.59-3.39)	3.63 (3.18-4.24)	4.64 (3.93-5.58)	5.45 (4.52-6.70)	6.31 (5.11-7.94)	7.23 (5.70-9.37)	8.56 (6.47-11.6)	9.65 (7.05-13.5)
2-day	1.73 (1.54-2.00)	2.43 (2.15-2.80)	3.40 (3.00-3.93)	4.23 (3.70-4.93)	5.43 (4.60-6.54)	6.41 (5.32-7.88)	7.46 (6.04-9.40)	8.61 (6.78-11.1)	10.3 (7.76-13.9)	11.6 (8.50-16.3)
3-day	1.86 (1.65-2.14)	2.61 (2.31-3.00)	3.65 (3.22-4.21)	4.55 (3.98-5.30)	5.86 (4.96-7.05)	6.94 (5.76-8.53)	8.10 (6.56-10.2)	9.37 (7.38-12.1)	11.2 (8.49-15.2)	12.8 (9.33-17.8)
4-day	2.00 (1.78-2.31)	2.81 (2.49-3.24)	3.93 (3.47-4.54)	4.91 (4.30-5.72)	6.33 (5.36-7.62)	7.50 (6.22-9.22)	8.76 (7.10-11.0)	10.1 (7.99-13.1)	12.2 (9.20-16.4)	13.9 (10.1-19.4)
7-day	2.25 (1.99-2.59)	3.13 (2.77-3.61)	4.36 (3.85-5.04)	5.42 (4.75-6.32)	6.97 (5.90-8.39)	8.24 (6.84-10.1)	9.62 (7.79-12.1)	11.1 (8.76-14.4)	13.3 (10.1-18.0)	15.1 (11.1-21.2)
10-day	2.40 (2.13-2.77)	3.34 (2.95-3.85)	4.63 (4.09-5.35)	5.75 (5.04-6.70)	7.37 (6.25-8.88)	8.71 (7.23-10.7)	10.1 (8.22-12.8)	11.7 (9.24-15.2)	14.0 (10.6-18.9)	15.9 (11.6-22.2)
20-day	2.89 (2.56-3.32)	3.99 (3.53-4.60)	5.52 (4.87-6.38)	6.84 (5.99-7.97)	8.74 (7.41-10.5)	10.3 (8.56-12.7)	12.0 (9.72-15.1)	13.8 (10.9-17.9)	16.5 (12.5-22.3)	18.8 (13.7-26.3)
30-day	3.40 (3.02-3.92)	4.68 (4.14-5.40)	6.45 (5.69-7.45)	7.96 (6.98-9.28)	10.2 (8.61-12.2)	12.0 (9.93-14.7)	13.9 (11.3-17.5)	16.1 (12.7-20.8)	19.2 (14.5-25.9)	21.8 (15.9-30.5)
45-day	4.06 (3.60-4.67)	5.51 (4.88-6.35)	7.51 (6.63-8.68)	9.24 (8.09-10.8)	11.7 (9.95-14.1)	13.8 (11.4-17.0)	16.0 (13.0-20.2)	18.5 (14.6-23.9)	22.1 (16.7-29.8)	25.1 (18.4-35.1)
60-day	4.63 (4.11-5.33)	6.19 (5.48-7.14)	8.34 (7.37-9.64)	10.2 (8.93-11.9)	12.9 (10.9-15.5)	15.1 (12.5-18.6)	17.5 (14.2-22.0)	20.2 (15.9-26.1)	24.1 (18.2-32.6)	27.5 (20.1-38.4)

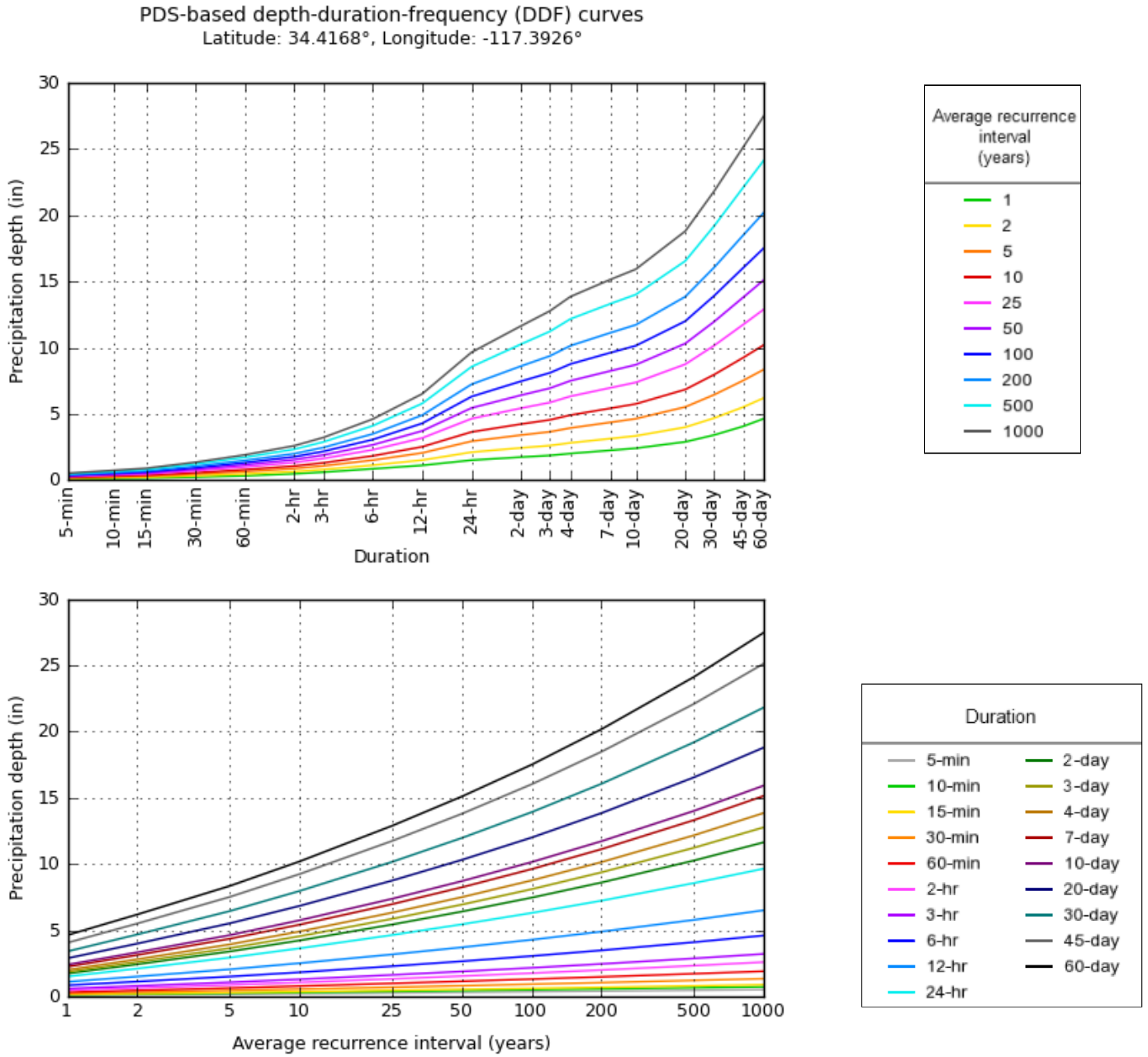
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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PF graphical



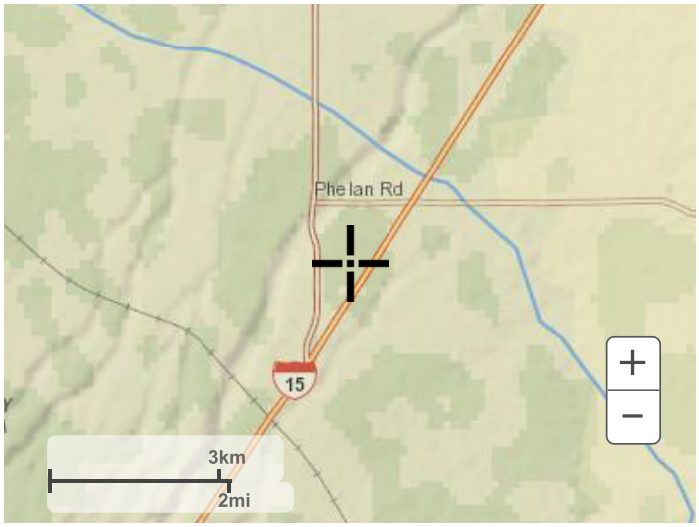
NOAA Atlas 14, Volume 6, Version 2

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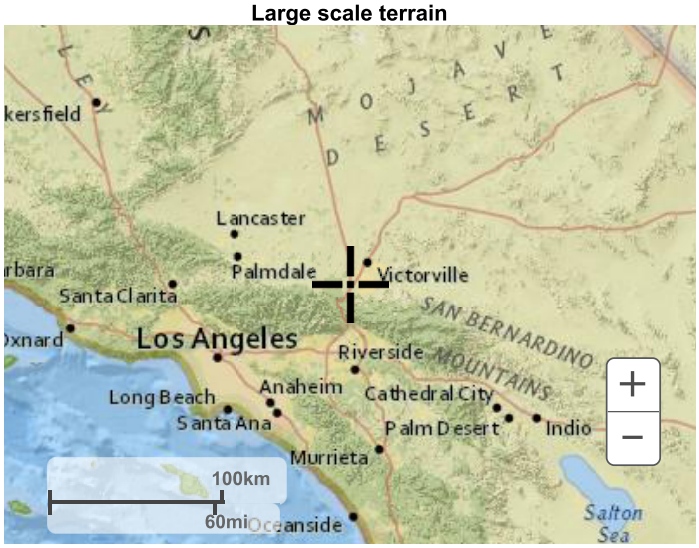
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Maps & aerials

Small scale terrain



Large scale terrain



Large scale map



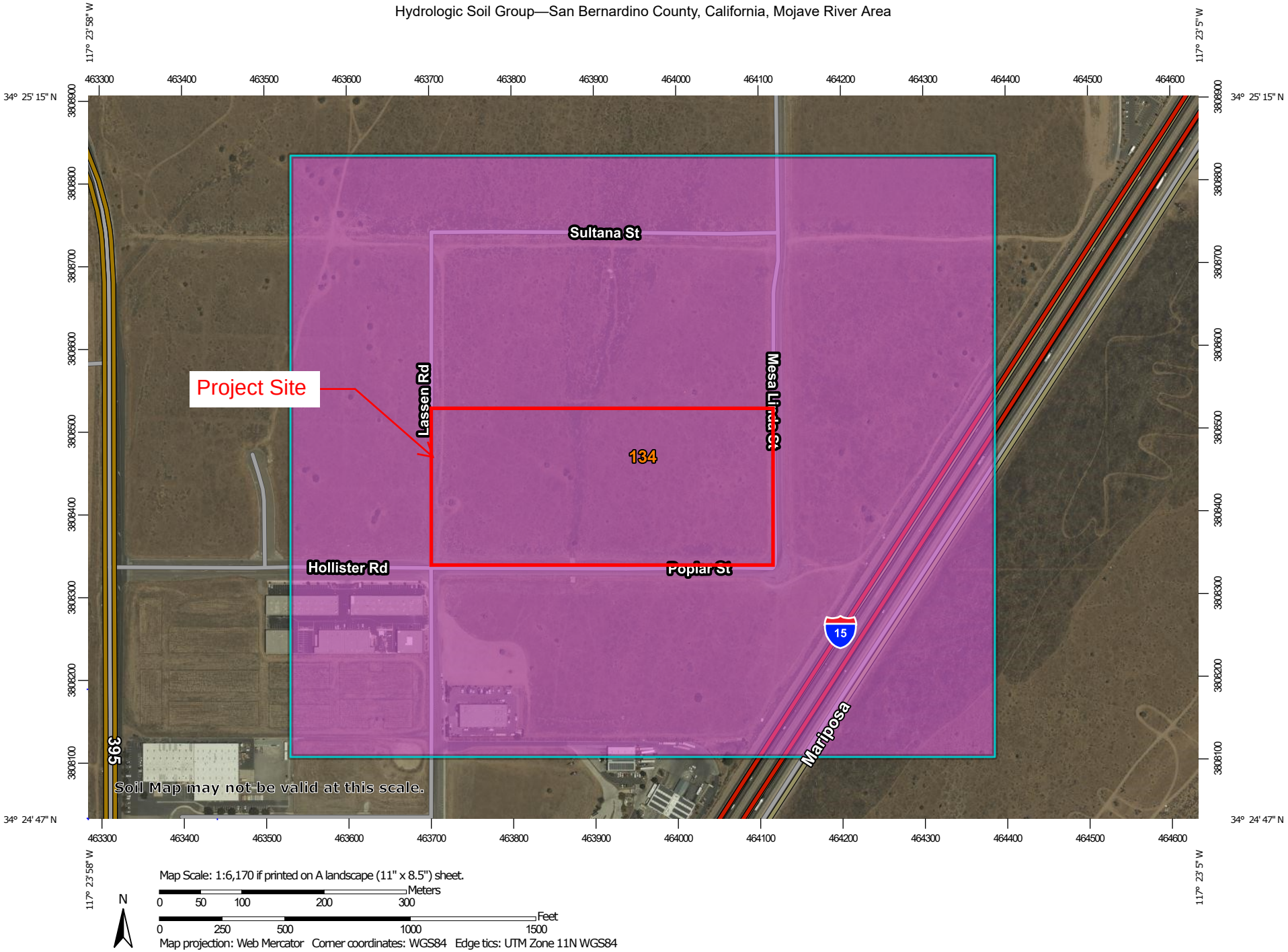
Large scale aerial



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US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer



Map Scale: 1:6,170 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 50 100 200 300

Feet: 0 250 500 1000 1500

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Bernardino County, California, Mojave River Area
Survey Area Data: Version 13, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 26, 2019—Jul 8, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
134	HESPERIA LOAMY FINE SAND, 2 TO 5 PERCENT SLOPES	A	154.3	100.0%
Totals for Area of Interest			**154.3**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Appendix H – Reference Documents

- Infiltration Report

April 7, 2022

Covington Development Group, Inc.
3 Corporate Plaza, Suite 230
Newport Beach, California 92660

Attention: Mr. Michael Di Sano
Sr. Director - Entitlements

Project No.: **22G134-2**

Subject: **Results of Additional Infiltration Testing**
Poplar 18 Industrial Park
NWC Poplar Street and Mesa Linda Street
Hesperia, California

References: Geotechnical Investigation, Poplar 18 Industrial Park, NWC Poplar Street and Mesa Linda Street, Hesperia, California, prepared by Southern California Geotechnical, Inc. (SCG) for Covington Development Group, Inc., SCG Project No. 22G134-1R, dated April 7, 2022.

Mr. Di Sano:

In accordance with your request, we have conducted additional infiltration testing at the subject site. We are pleased to present this report summarizing the results of the infiltration testing and our design recommendations.

Scope of Services

The scope of services performed for this project was in general accordance with our Proposal No. 22P126, dated January 24, 2022. The scope of services included site reconnaissance, subsurface exploration, field and laboratory testing, and engineering analysis to determine the infiltration rates of the on-site soils. The infiltration testing was performed in general accordance with ASTM Test Method D-3385-03, Standard Test Method for Infiltration Rate of Soils in Field Using Double Ring Infiltrometer.

Site and Project Description

The subject site is located at the northwest corner of Poplar Street and Mesa Linda Street in Hesperia, California. The site is bounded to the north by vacant land, to the west by the proposed alignment of Lassen Road, to the south by Poplar Street and to the east by Mesa Linda Street. The general location of the site is illustrated on the Site Location Map, included as Plate 1 of this report.

The site consists of a rectangular-shaped parcel, 17.87± acres in size which is vacant and undeveloped. Ground surface cover consists of exposed soils with moderate native brush and shrub growth, and the site is sparsely populated with Joshua trees. Occasional scattered trash debris are present throughout the site. A small drainage course, about 1 to 3± feet in depth, is present in the center of the site, trending in the north-south direction.

Numerous dirt roads are present in various locations throughout the site, generally trending east-west. A dirt road trending north-south is also present along the east property line of the site.

Detailed topographic information was not available at the time of this report. Based on visual observations made at the time of the subsurface investigation and from elevation data obtained from Google Earth, the overall site topography generally slopes downward to the northeast at a gradient less than 2± percent. The highest elevation on the site is located in the southwestern area of the site, and the minimum site elevation is located in the northeastern region of the site. There was estimated to be an elevation differential of about 22± feet across the site.

Proposed Development

A conceptual site plan, prepared by RGA Office of Architectural Design (RGA), indicates that the site will be developed with one (1) new warehouse identified as Building 1. The building will be located in the central area of the site and will be 414,700± ft² in size. The building will be constructed with dock-high doors along most of the north building wall. The building will be surrounded by asphaltic concrete pavements in the automobile parking and drive areas and Portland cement concrete pavements in the truck court area. Several landscape planters and concrete flatwork will be included throughout the site.

The proposed development will use on-site storm water infiltration. Based on conversations with representatives of Westland Group, Inc (WGI), the project civil engineer, the infiltration system will consist of three (3) infiltration systems, identified as Infiltration System "A" through Infiltration System "C", located in the northern areas of the site. Two basins will be located in the northwest and northeast corners of the site and the below-grade chambers will be located in the north-central area of the basin. The bottoms of the systems are expected to be approximately 12± feet below the existing site grades.

Concurrent Study

SCG performed a concurrent study at the subject site, referenced above. As part of this study, seven (7) borings were advanced to depths of 15 to 30± feet below the existing site grades. The borings encountered younger alluvial soils at the ground surface at all of the boring locations extending to a depth of 2½ to 5½± feet below the existing site grades. These soils consist of loose to medium dense silty fine sands, fine to coarse sands, fine sandy silts and fine to coarse sandy silts. At greater depths, older alluvium was encountered at all of the boring locations extending to the maximum depth explored of 30± feet. The older alluvium consists of medium dense to very dense fine to medium sands, fine to coarse sands, and fine to coarse sandy silts. The older alluvial soils were generally weakly cemented.

Free water was not encountered during the drilling of any of the borings. Based on the lack of any water within the borings and the moisture contents of the recovered soil samples, the static groundwater table is considered to have existed at a depth in excess of 30± feet at the time of the subsurface exploration.

Subsurface Exploration

Scope of Exploration

The subsurface exploration for the infiltration testing consisted of three (3) backhoe-excavated trenches, extending to a depth of 12± feet below existing site grades. The trenches were logged during excavation by a member of our staff. The approximate locations of the infiltration trenches (identified as I-1 through I-3) are indicated on the Infiltration Test Location Plan, enclosed as Plate 2 of this report.

Geotechnical Conditions

Native younger alluvial soils were encountered at the ground surface of all three (3) infiltration trench locations, extending to depths ranging from 3 to 4± feet below existing site grades. The younger alluvium consists of loose to medium dense fine to medium sandy silts and silty fine to coarse sands.

Older alluvial soils were encountered beneath the younger alluvium, extending to at least the maximum explored depth of 12± feet below existing site grades. The older alluvium consisted of medium to dense silty fine to medium sands, silty fine to coarse sands, and gravelly fine to coarse sands. The Trench Logs, which illustrate the conditions encountered at each of the trench locations, are included with this report.

Groundwater

Groundwater was not encountered at any of the infiltration test locations. Based on the lack of any water within the trenches, and the moisture contents of the recovered soil samples, the static groundwater table is considered to have existed at a depth in excess of the maximum explored depth of 12± feet below existing grades.

As part of our research, we also reviewed recent groundwater data available for wells within the vicinity of the site. Recent water level data was obtained from the California Department of Water Resources website, http://www.water.ca.gov/waterdatalibrary/. The nearest monitoring well with available records in this database is located approximately 4,400± feet northwest of the site. Water level readings within this monitoring well indicate a groundwater level of 600± feet below the ground surface in October 2020.

Infiltration Testing

We understand that the results of the testing will be used to prepare a preliminary design for the storm water infiltration system that will be used at the subject site. As previously mentioned, the infiltration testing was performed in general accordance with ASTM Test Method D-3385-03, Standard Test Method for Infiltration Rate of Soils in Field Using Double Ring Infiltrometer.

Two stainless steel infiltration rings were used for the infiltration testing. The outer infiltration ring is 2 feet in diameter and 20 inches in height. The inner infiltration ring is 1 foot in diameter and 20 inches in height. At the test locations, the outer ring was driven 3± inches into the soil at

the base of each trench. The inner ring was centered inside the outer ring and subsequently driven 3± inches into the soil at the base of the trench. The rings were driven into the soil using a ten-pound sledge hammer. The soil surrounding the wall of the infiltration rings was only slightly disturbed during the driving process.

Infiltration Testing Procedure

Infiltration testing was performed at all of the trench locations. The infiltration testing consisted of filling the inner ring and the annular space (the space between the inner and outer rings) with water, approximately 3 to 4 inches above the soil. To prevent the flow of water from one ring to the other, the water level in both the inner ring and the annular space between the rings was maintained using constant-head float valves. The volume of water that was added to maintain a constant head in the inner ring and the annular space during each time interval was determined and recorded. A cap was placed over the rings to minimize the evaporation of water during the tests.

The schedule for readings was determined based on the observed soil type at the base of each backhoe-excavated trench. Based on the existing soil conditions at the trench locations, the volumetric measurements were made at 15-minute intervals at all of the infiltration test locations. The water volume measurements are presented on the spreadsheets enclosed with this report. The infiltration rates for each of the timed intervals are also tabulated on these spreadsheets.

The infiltration rates for the infiltration tests are calculated in centimeters per hour and then converted to inches per hour. The rates are summarized below:

Infiltration Test No.	Depth (feet)	Soil Description	Infiltration Rate (inches/hour)
I-1	12	Light Brown Silty fine to coarse Sand	0.9
I-2	12	Brown Silty fine to coarse Sand, trace fine Gravel	0.7
I-3	12	Light Brown Silty fine to coarse Sand	1.0

Laboratory Testing

Moisture Content

The moisture contents for selected soil samples within the trenches were determined in accordance with ASTM D-2216 and are expressed as a percentage of the dry weight. These test results are presented on the Trench Logs in Plates B-1 through B-3 of this report.

Grain Size Analysis

The grain size distribution of selected soils collected from the base of each infiltration test trench has been determined using a range of wire mesh screens. These tests were performed in general accordance with ASTM D-422 and/or ASTM D-1140. The weight of the portion of the sample retained on each screen is recorded and the percentage finer or coarser of the total weight is calculated. The results of the grainsize analysis are presented on Plates C-1 and C-3 of this report.

Design Recommendations

Three (3) infiltration tests were performed at the subject site. As noted above, the calculated infiltration rates at the infiltration test locations are 0.7 and 1.0 inches per hour. Based on the results of infiltration tests, we recommend the following:

Infiltration System	Infiltration System Location	Infiltration System Type	Infiltration Rate (inches/hour)
"A"	Northwest	Basin	0.9
"B"	North-Central	Chamber	0.7
"C"	Northeast	Basin	1.0

We recommend that a representative from the geotechnical engineer be on-site during the construction of the proposed infiltration system to identify the soil classification at the base of the infiltration basin or chamber bottom. It should be confirmed that the soils at the base of the proposed infiltration system corresponds with those presented in this report to ensure that the performance of the system will be consistent with the rates reported herein.

The design of the proposed storm water infiltration system should be performed by the project civil engineer, in accordance with the City of Hesperia and/or County of San Bernardino guidelines. However, it is recommended that the systems be constructed so as to facilitate removal of silt and clay, or other deleterious materials from any water that may enter the system. The presence of such materials would decrease the effective infiltration rates. **It is recommended that the project civil engineer apply an appropriate factor of safety. The infiltration rate recommended above is based on the assumption that only clean water will be introduced to the subsurface profile. Any fines, debris, or organic materials could significantly impact the infiltration rate.** It should be noted that the recommended infiltration rate is based on infiltration testing at three (3) discrete locations, and the overall infiltration rate of the storm water infiltration system could vary considerably.

Infiltration Rate Considerations

The infiltration rate presented herein was determined in accordance with the San Bernardino County guidelines and is considered valid only for the time and place of the actual test. Varying subsurface conditions will exist in other areas of the site, which could alter the recommended infiltration rates presented above. The infiltration rates will decline over time between maintenance cycles as silt or clay particles accumulate on the BMP surface. The infiltration rate is highly dependent upon a number of factors, including density, silt and clay content, grainsize

distribution throughout the range of particle sizes, and particle shape. Small changes in these factors can cause large changes in the infiltration rates.

Infiltration rates are based on unsaturated flow. As water is introduced into soils by infiltration, the soils become saturated and the wetting front advances from the unsaturated zone to the saturated zone. Once the soils become saturated, infiltration rates become zero, and water can only move through soils by hydraulic conductivity at a rate determined by pressure head and soil permeability. Changes in soil moisture content will affect the infiltration rate. Infiltration rates should be expected to decrease until the soils become saturated. Soil permeability values will then govern groundwater movement. Permeability values may be on the order of 10 to 20 times less than infiltration rates. The system designer should incorporate adequate factors of safety and allow for overflow design into appropriate traditional storm drain systems, which would transport storm water off-site.

Construction Considerations

The infiltration rates presented in this report are specific to the tested locations and tested depths. Infiltration rates can be significantly reduced if the soils are exposed to excessive disturbance or compaction during construction. Compaction of the soils at the bottom of the infiltration system can significantly reduce the infiltration ability of the basins. Therefore, the subgrade soils within proposed infiltration system areas should not be over-excavated, undercut or compacted in any significant manner. **It is recommended that a note to this effect be added to the project plans and/or specifications.**

We recommend that a representative from the geotechnical engineer be on-site during the construction of the proposed infiltration systems to identify the soil classification at the base of each system. It should be confirmed that the soils at the base of the proposed infiltration systems correspond with those presented in this report to ensure that the performance of the systems will be consistent with the rates reported herein.

We recommend that scrapers and other rubber-tired heavy equipment not be operated on the basin bottom, or at levels lower than 2 feet above the bottom of the system, particularly within basins. As such, the bottom 24 inches of the infiltration systems should be excavated with non-rubber-tired equipment, such as excavators.

Basin Maintenance

The proposed project may include infiltration basins. Water flowing into these basins will carry some level of sediment. Wind-blown sediments and erosion of the basin side walls will also contribute to sediment deposition at the bottom of the basin. This layer has the potential to significantly reduce the infiltration rate of the basin subgrade soils. Therefore, a formal basin maintenance program should be established to ensure that these silt and clay deposits are removed from the basin on a regular basis. Appropriate vegetation on the basin sidewalls and bottom may reduce erosion and sediment deposition.

Basin maintenance should also include measures to prevent animal burrows, and to repair any burrows or damage caused by such. Animal burrows in the basin sidewalls can significantly increase the risk of erosion and piping failures.

Infiltration Chamber Maintenance

The proposed project may include infiltration chambers. Water flowing into these chambers will carry some level of sediment. This layer has the potential to significantly reduce the infiltration rate of the chamber subgrade soils. Therefore, a formal chamber maintenance program should be established to ensure that these silt and clay deposits are removed from the chamber on a regular basis.

Location of Infiltration Systems

The use of on-site storm water infiltration systems carries a risk of creating adverse geotechnical conditions. Increasing the moisture content of the soil can cause the soil to lose internal shear strength and increase its compressibility, resulting in a change in the designed engineering properties. Overlying structures and pavements in the infiltration area could potentially be damaged due to saturation of the subgrade soils. **The proposed infiltration systems for this site should be located at least 25 feet away from any structures, including retaining walls.** Even with this provision of locating the infiltration system at least 25 feet from the building(s), it is possible that infiltrating water into the subsurface soils could have an adverse effect on the proposed or existing structures. It should also be noted that utility trenches which happen to collect storm water can also serve as conduits to transmit storm water toward the structure, depending on the slope of the utility trench. Therefore, consideration should also be given to the proposed locations of underground utilities which may pass near the proposed infiltration system.

The infiltration system designer should also give special consideration to the effect that the proposed infiltration systems may have on nearby subterranean structures, open excavations, or descending slopes. In particular, infiltration systems should not be located near the crest of descending slopes, particularly where the slopes are comprised of granular soils. Such systems will require specialized design and analysis to evaluate the potential for slope instability, piping failures and other phenomena that typically apply to earthen dam design. This type of analysis is beyond the scope of this infiltration test report, but these factors should be considered by the infiltration system designer when locating the infiltration systems.

General Comments

This report has been prepared as an instrument of service for use by the client in order to aid in the evaluation of this property and to assist the architects and engineers in the design and preparation of the project plans and specifications. This report may be provided to the contractor(s) and other design consultants to disclose information relative to the project. However, this report is not intended to be utilized as a specification in and of itself, without appropriate interpretation by the project architect, structural engineer, and/or civil engineer. The design of the infiltration system is the responsibility of the civil engineer. The role of the geotechnical engineer is limited to determination of infiltration rate only. By using the design infiltration rates contained herein, the civil engineer agrees to indemnify, defend, and hold harmless the geotechnical engineer for all aspects of the design and performance of the infiltration

system. The reproduction and distribution of this report must be authorized by the client and Southern California Geotechnical, Inc. Furthermore, any reliance on this report by an unauthorized third party is at such party's sole risk, and we accept no responsibility for damage or loss which may occur. The analysis of this site was based on a subsurface profile interpolated from limited discrete soil samples. While the materials encountered in the project area are considered to be representative of the total area, some variations should be expected between trench locations and testing depths. If the conditions encountered during construction vary significantly from those detailed herein, we should be contacted immediately to determine if the conditions alter the recommendations contained herein.

This report has been based on assumed or provided characteristics of the proposed development. It is recommended that the owner, client, architect, structural engineer, and civil engineer carefully review these assumptions to ensure that they are consistent with the characteristics of the proposed development. If discrepancies exist, they should be brought to our attention to verify that they do not affect the conclusions and recommendations contained herein. We also recommend that the project plans and specifications be submitted to our office for review to verify that our recommendations have been correctly interpreted. The analysis, conclusions, and recommendations contained within this report have been promulgated in accordance with generally accepted professional geotechnical engineering practice. No other warranty is implied or expressed.

Closure

We sincerely appreciate the opportunity to be of service on this project. We look forward to providing additional consulting services during the course of the project. If we may be of further assistance in any manner, please contact our office.

Respectfully Submitted,

SOUTHERN CALIFORNIA GEOTECHNICAL, INC.

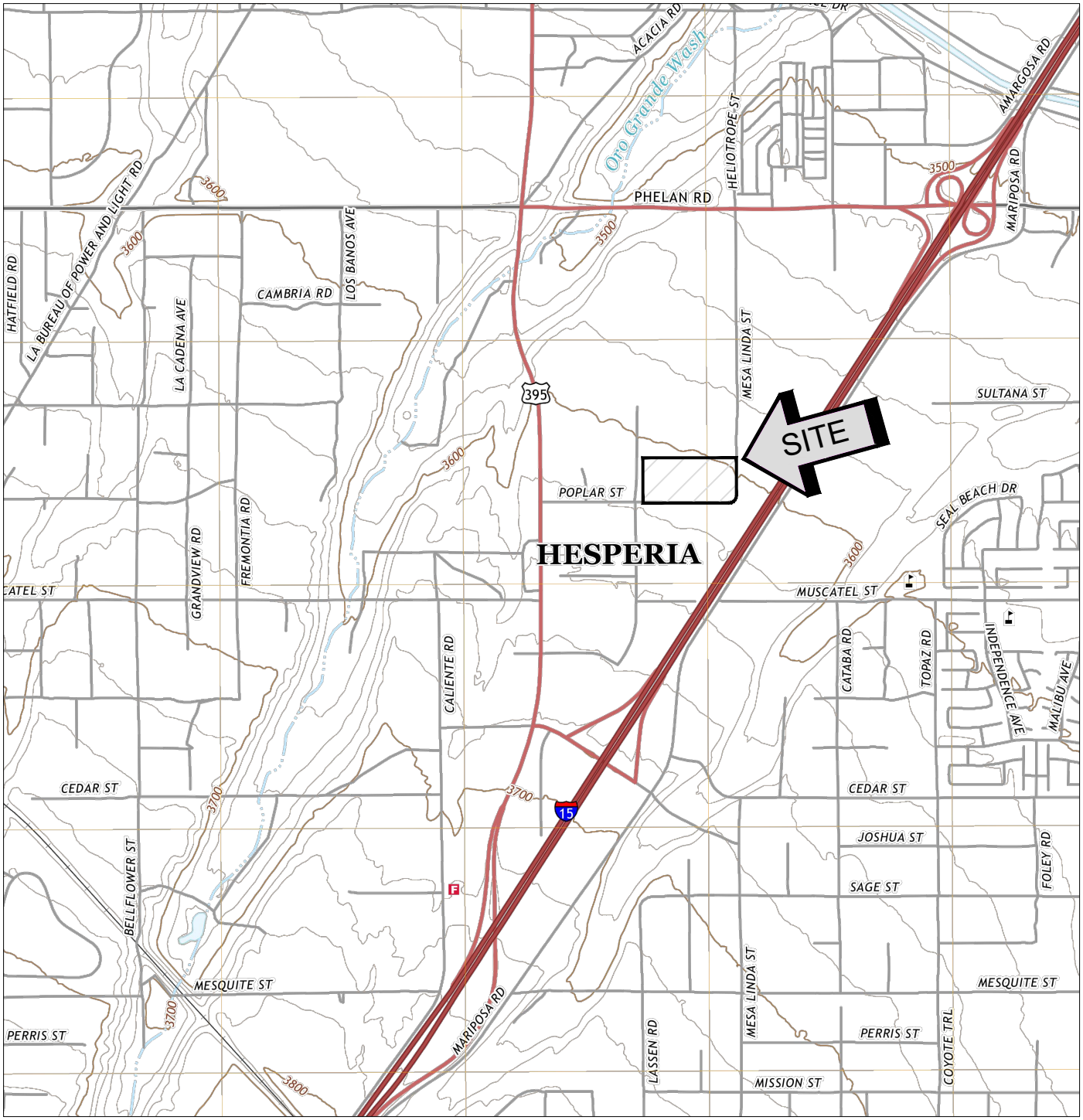
Ryan Bremer
Staff Geologist

Robert G. Trazo, GE 2655
Principal Engineer

REGISTERED PROFESSIONAL ENGINEER
ROBERT TRAZO
No. 2655
GEOTECHNICAL
STATE OF CALIFORNIA

Distribution: (1) Addressee

Enclosures:
Plate 1 - Site Location Map
Plate 2 - Infiltration Test Location Plan
Trench Log Legend and Logs (5 pages)
Infiltration Test Results Spreadsheets (3 pages)
Grain Size Distribution Graphs (3 pages)



SOURCE: USGS TOPOGRAPHIC MAP OF THE BALDY MESA QUADRANGLE, RIVERSIDE COUNTY, CALIFORNIA, 2021.

SITE LOCATION MAP

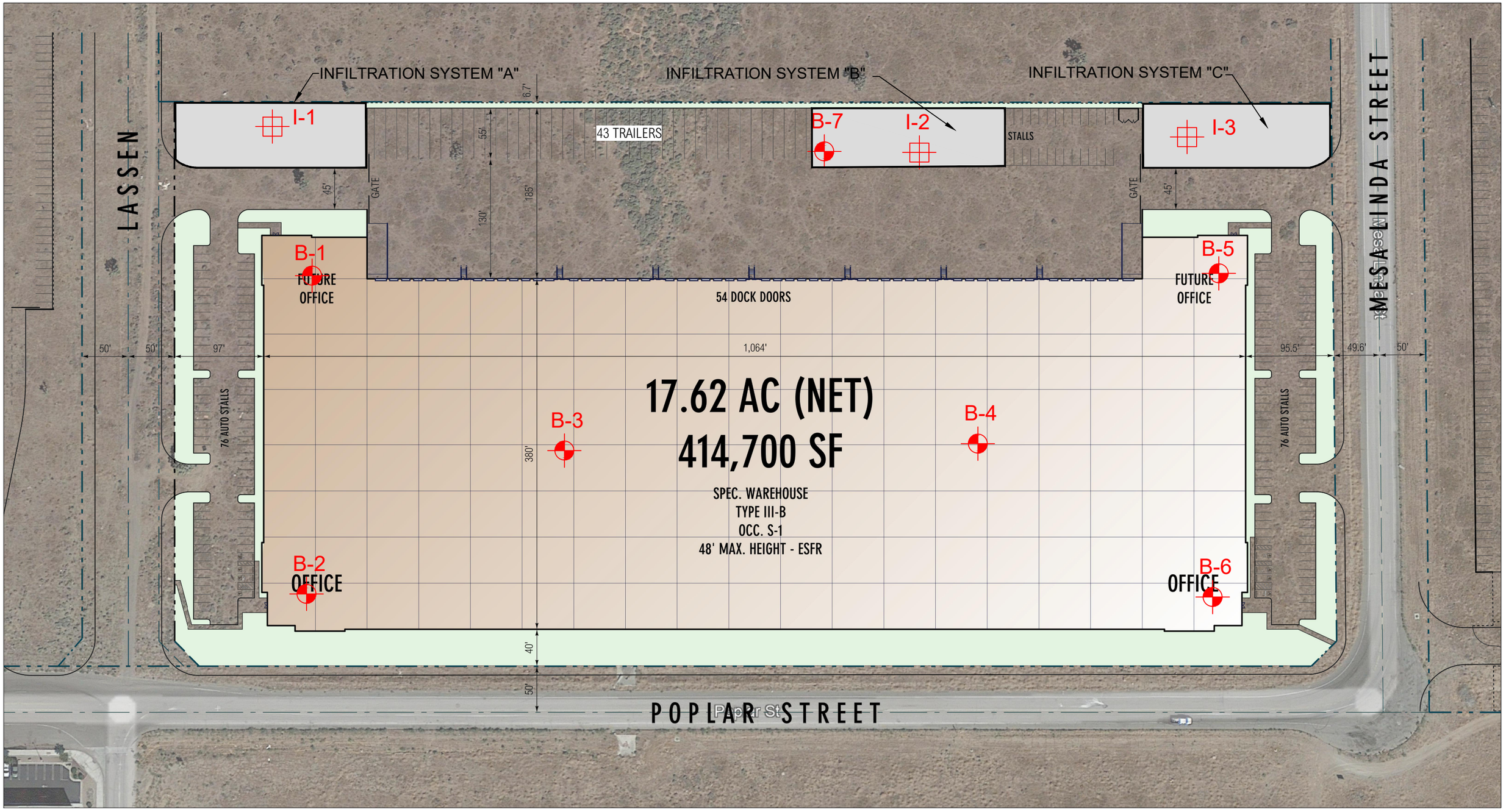
PROPOSED POPLAR 18

HESPERIA, CALIFORNIA

SCALE: 1" = 2000'	
DRAWN: MD CHKD: DN	
SCG PROJECT 22G134-2	
PLATE 1	

SoCalGeo

SOUTHERN CALIFORNIA GEOTECHNICAL



GEOTECHNICAL LEGEND

- APPROXIMATE INFILTRATION LOCATION
- APPROXIMATE BORING LOCATION (SCG PROJECT NO. 22G134-1)
- SITE BOUNDARY
- PROPOSED INFILTRATION SYSTEM

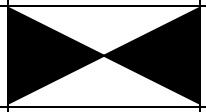
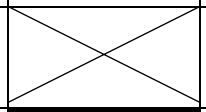
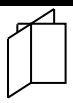
NOTE: CONCEPTUAL SITE PLAN PREPARED BY RGA ARCHITECTS.
AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH.

INFILTRATION LOCATION PLAN
PROPOSED POPLAR 18
HESPERIA, CALIFORNIA

SCALE: 1" =100'	
DRAWN: MD CHKD: DN	
SCG PROJECT 22G134-2	
PLATE 2	

SOUTHERN CALIFORNIA GEOTECHNICAL

TRENCH LOG LEGEND

SAMPLE TYPE	GRAPHICAL SYMBOL	SAMPLE DESCRIPTION
AUGER		SAMPLE COLLECTED FROM AUGER CUTTINGS, NO FIELD MEASUREMENT OF SOIL STRENGTH. (DISTURBED)
CORE		ROCK CORE SAMPLE: TYPICALLY TAKEN WITH A DIAMOND-TIPPED CORE BARREL. TYPICALLY USED ONLY IN HIGHLY CONSOLIDATED BEDROCK.
GRAB		SOIL SAMPLE TAKEN WITH NO SPECIALIZED EQUIPMENT, SUCH AS FROM A STOCKPILE OR THE GROUND SURFACE. (DISTURBED)
CS		CALIFORNIA SAMPLER: 2-1/2 INCH I.D. SPLIT BARREL SAMPLER, LINED WITH 1-INCH HIGH BRASS RINGS. DRIVEN WITH SPT HAMMER. (RELATIVELY UNDISTURBED)
NSR		NO RECOVERY: THE SAMPLING ATTEMPT DID NOT RESULT IN RECOVERY OF ANY SIGNIFICANT SOIL OR ROCK MATERIAL.
SPT		STANDARD PENETRATION TEST: SAMPLER IS A 1.4 INCH INSIDE DIAMETER SPLIT BARREL, DRIVEN 18 INCHES WITH THE SPT HAMMER. (DISTURBED)
SH		SHELBY TUBE: TAKEN WITH A THIN WALL SAMPLE TUBE, PUSHED INTO THE SOIL AND THEN EXTRACTED. (UNDISTURBED)
VANE		VANE SHEAR TEST: SOIL STRENGTH OBTAINED USING A 4 BLADED SHEAR DEVICE. TYPICALLY USED IN SOFT CLAYS-NO SAMPLE RECOVERED.

COLUMN DESCRIPTIONS

DEPTH: Distance in feet below the ground surface.

SAMPLE: Sample Type as depicted above.

BLOW COUNT: Number of blows required to advance the sampler 12 inches using a 140 lb hammer with a 30-inch drop. 50/3" indicates penetration refusal (>50 blows) at 3 inches. WH indicates that the weight of the hammer was sufficient to push the sampler 6 inches or more.

POCKET PEN.: Approximate shear strength of a cohesive soil sample as measured by pocket penetrometer.

GRAPHIC LOG: Graphic Soil Symbol as depicted on the following page.

DRY DENSITY: Dry density of an undisturbed or relatively undisturbed sample in lbs/ft^3.

MOISTURE CONTENT: Moisture content of a soil sample, expressed as a percentage of the dry weight.

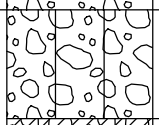
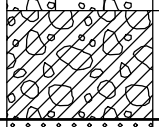
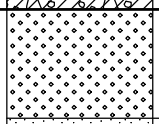
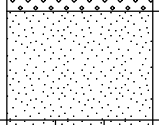
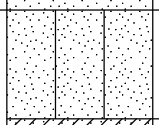
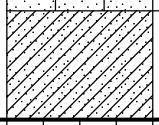
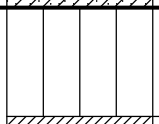
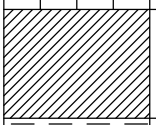
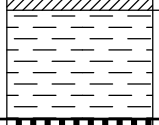
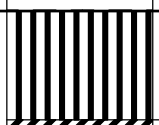
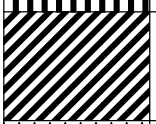
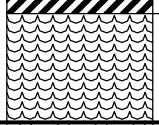
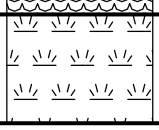
LIQUID LIMIT: The moisture content above which a soil behaves as a liquid.

PLASTIC LIMIT: The moisture content above which a soil behaves as a plastic.

PASSING #200 SIEVE: The percentage of the sample finer than the #200 standard sieve.

UNCONFINED SHEAR: The shear strength of a cohesive soil sample, as measured in the unconfined state.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

TRENCH NO. I-1

JOB NO.: 22G134-2
PROJECT: Poplar 18 Industrial Park
LOCATION: Hesperia, California

EXCAVATION DATE: 3/2/22
EXCAVATION METHOD: Backhoe
LOGGED BY: Caleb Brackett

WATER DEPTH: Dry
CAVE DEPTH: ---
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					YOUNGER ALLUVIUM: Light Brown Silty fine to medium Sand, trace coarse Sand, trace fine root fibers, medium dense-damp							
					OLDER ALLUVIUM: Light Brown Silty fine to medium Sand, trace coarse Sand, trace fine Gravel, slightly porous, dense-dry							
5												
					Light Brown Gravelly fine to coarse Sand, trace Silt, medium dense-dry							
10												
					Light Brown Silty fine to coarse Sand, medium dense-dry		2					
					Trench Terminated at 12'							

TBL 22G134-2.GPJ SOCALGEO.GDT 4/8/22

TEST TRENCH LOG **PLATE B-1**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

TRENCH NO. I-2

JOB NO.: 22G134-2
PROJECT: Poplar 18 Industrial Park
LOCATION: Hesperia, California

EXCAVATION DATE: 3/2/22
EXCAVATION METHOD: Backhoe
LOGGED BY: Caleb Brackett

WATER DEPTH: Dry
CAVE DEPTH: ---
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					YOUNGER ALLUVIUM: Light Brown fine to medium Sandy Silt, trace fine root fibers, loose-damp							
					Light Brown Silty fine to medium Sand, trace coarse Sand, medium dense-dry							
5					OLDER ALLUVIUM: Brown Silty fine to coarse Sand, trace fine Gravel, well cemented, dense to very dense-dry							
10												
							2					
					Trench Terminated at 12'							

TBL 22G134-2.GPJ SOCALGEO.GDT 4/8/22

TEST TRENCH LOG **PLATE B-2**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

TRENCH NO. I-3

JOB NO.: 22G134-2
PROJECT: Poplar 18 Industrial Park
LOCATION: Hesperia, California

EXCAVATION DATE: 3/2/22
EXCAVATION METHOD: Backhoe
LOGGED BY: Caleb Brackett

WATER DEPTH: Dry
CAVE DEPTH: ---
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					YOUNGER ALLUVIUM: Light Brown Silty fine to medium Sand, trace fine root fibers, trace fine Gravel, loose to medium dense-damp							
					OLDER ALLUVIUM: Light Brown Silty fine to coarse Sand, dense-dry							
5												
10							2					
					Trench Terminated at 12'							

TBL 22G134-2.GPJ SOCALGEO.GDT 4/8/22

TEST TRENCH LOG **PLATE B-3**

INFILTRATION CALCULATIONS

Project Name	Poplar 18 Industrial Park
Project Location	Hesperia, California
Project Number	22G134-2
Engineer	Caleb Brackett

Infiltration Test No: I-1

Constants

	Diameter (ft)	Area (ft^2)	Area (cm^2)
Inner	1	0.79	730
Anlr. Spac	2	2.36	2189

*Note: The infiltration rate was calculated based on current time interval

Test Interval		Time (hr)	Interval **Elapsed** (min)	Flow Readings: Inner Ring (ml)	Flow Readings: Ring Flow (cm^3)	Flow Readings: Annular Ring (ml)	Flow Readings: Space Flow (cm^3)	Infiltration Rates: Inner Ring* (cm/hr)	Infiltration Rates: Annular Space* (cm/hr)	Infiltration Rates: Inner Ring* (in/hr)	Infiltration Rates: Annular Space* (in/hr)
1	Initial	8:00 AM	15	0	1250	0	2900	6.85	5.30	2.70	2.09
	Final	8:15 AM	**15**	1250		2900					
2	Initial	8:15 AM	15	0	650	0	2500	3.56	4.57	1.40	1.80
	Final	8:30 AM	**30**	650		2500					
3	Initial	8:30 AM	15	0	500	0	1400	2.74	2.56	1.08	1.01
	Final	8:45 AM	**45**	500		1400					
4	Initial	8:45 AM	15	0	400	0	1400	2.19	2.56	0.86	1.01
	Final	9:00 AM	**60**	400		1400					
5	Initial	9:00 AM	15	0	400	0	1300	2.19	2.38	0.86	0.94
	Final	9:15 AM	**75**	400		1300					
6	Initial	9:15 AM	15	0	400	0	1500	2.19	2.74	0.86	1.08
	Final	9:30 AM	**90**	400		1500					

INFILTRATION CALCULATIONS

Project Name	Poplar 18 Industrial Park
Project Location	Hesperia, California
Project Number	22G134-2
Engineer	Caleb Brackett

Infiltration Test No: I-2

Constants

	Diameter (ft)	Area (ft^2)	Area (cm^2)
Inner	1	0.79	730
Anlr. Spac	2	2.36	2189

*Note: The infiltration rate was calculated based on current time interval

Test Interval		Time (hr)	Interval **Elapsed** (min)	Flow Readings: Inner Ring (ml)	Flow Readings: Ring Flow (cm^3)	Flow Readings: Annular Ring (ml)	Flow Readings: Space Flow (cm^3)	Infiltration Rates: Inner Ring* (cm/hr)	Infiltration Rates: Annular Space* (cm/hr)	Infiltration Rates: Inner Ring* (in/hr)	Infiltration Rates: Annular Space* (in/hr)
1	Initial	10:00 AM	15	0	350	0	3400	1.92	6.21	0.76	2.45
	Final	10:15 AM	**15**	350		3400					
2	Initial	10:15 AM	15	0	950	0	1600	5.21	2.92	2.05	1.15
	Final	10:30 AM	**30**	950		1600					
3	Initial	10:30 AM	15	0	1050	0	2000	5.76	3.65	2.27	1.44
	Final	10:45 AM	**45**	1050		2000					
4	Initial	10:45 AM	15	0	300	0	2200	1.64	4.02	0.65	1.58
	Final	11:00 AM	**60**	300		2200					
5	Initial	11:00 AM	15	0	300	0	1100	1.64	2.01	0.65	0.79
	Final	11:15 AM	**75**	300		1100					
6	Initial	11:15 AM	15	0	350	0	1300	1.92	2.38	0.76	0.94
	Final	11:30 AM	**90**	350		1300					
7	Initial	11:30 AM	15	0	300	0	1200	1.64	2.19	0.65	0.86
	Final	11:45 AM	**105**	300		1200					

INFILTRATION CALCULATIONS

Project Name	Poplar 18 Industrial Park
Project Location	Hesperia, California
Project Number	22G134-2
Engineer	Caleb Brackett

Infiltration Test No: I-3

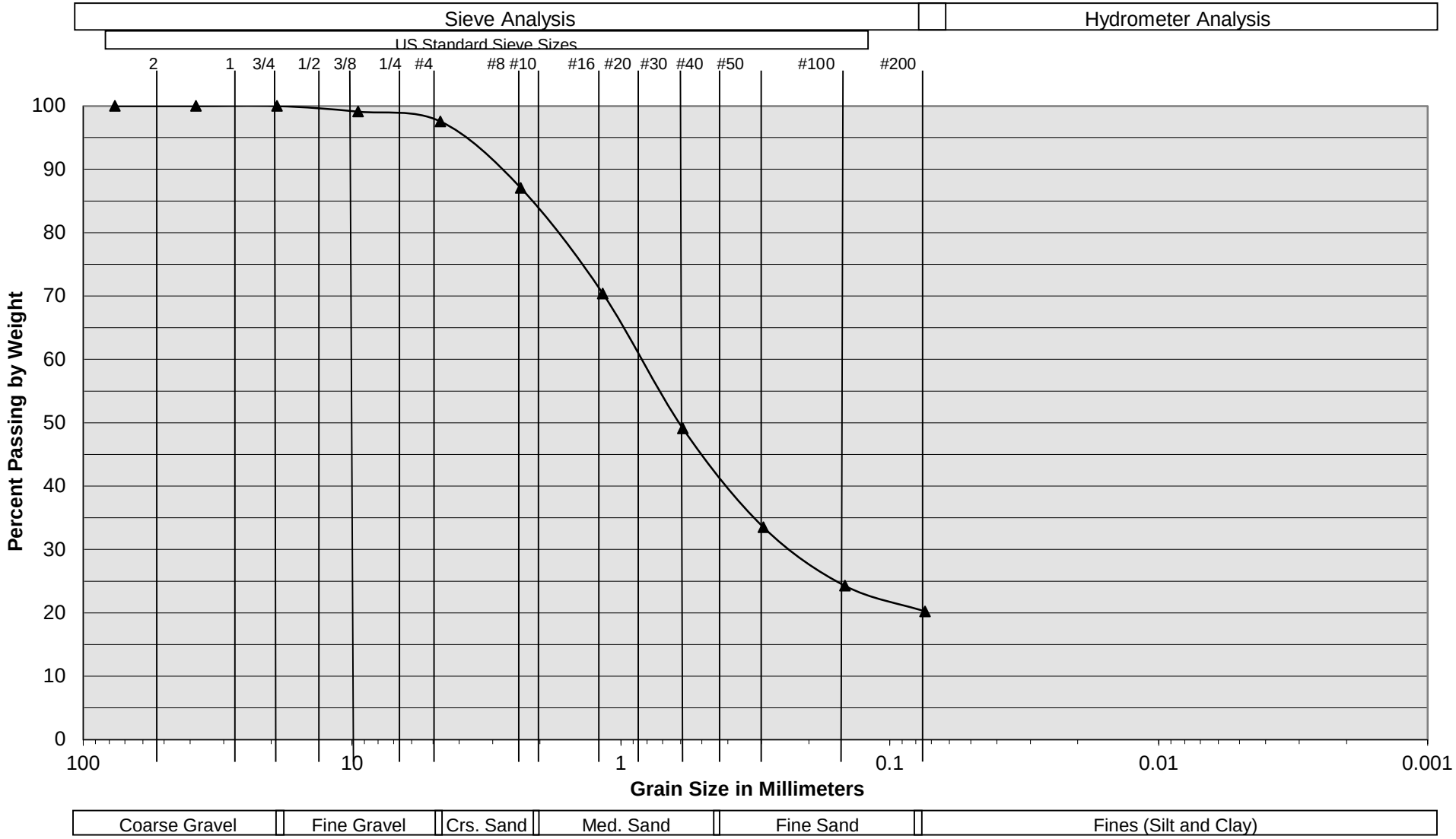
Constants

	Diameter (ft)	Area (ft^2)	Area (cm^2)
Inner	1	0.79	730
Anlr. Spac	2	2.36	2189

*Note: The infiltration rate was calculated based on current time interval

Test Interval		Time (hr)	Interval **Elapsed** (min)	Flow Readings: Inner Ring (ml)	Flow Readings: Ring Flow (cm^3)	Flow Readings: Annular Ring (ml)	Flow Readings: Space Flow (cm^3)	Infiltration Rates: Inner Ring* (cm/hr)	Infiltration Rates: Annular Space* (cm/hr)	Infiltration Rates: Inner Ring* (in/hr)	Infiltration Rates: Annular Space* (in/hr)
1	Initial	12:00 PM	15	0	750	0	3800	4.11	6.94	1.62	2.73
	Final	12:15 PM	**15**	750		3800					
2	Initial	12:15 PM	15	0	650	0	3500	3.56	6.40	1.40	2.52
	Final	12:30 PM	**30**	650		3500					
3	Initial	12:30 PM	15	0	550	0	3100	3.02	5.66	1.19	2.23
	Final	12:45 PM	**45**	550		3100					
4	Initial	12:45 PM	15	0	500	0	2700	2.74	4.93	1.08	1.94
	Final	1:00 PM	**60**	500		2700					
5	Initial	1:00 PM	15	0	450	0	2200	2.47	4.02	0.97	1.58
	Final	1:15 PM	**75**	450		2200					
6	Initial	1:15 PM	15	0	450	0	1900	2.47	3.47	0.97	1.37
	Final	1:30 PM	**90**	450		1900					

Grain Size Distribution

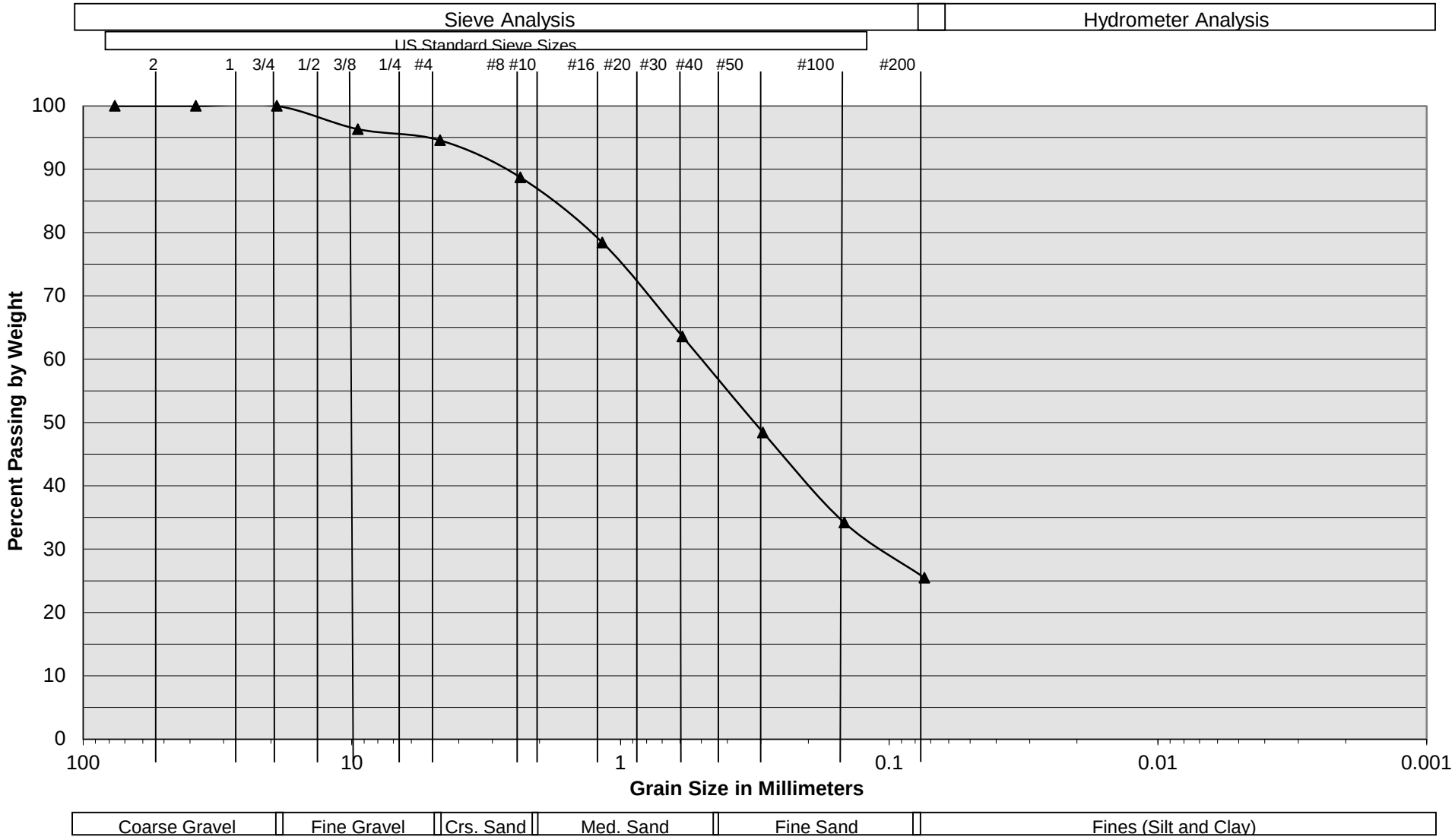


Sample Description	I-1 @ 12'
Soil Classification	OLDER ALLUVIUM: Light Brown Silty fine to coarse Sand

Poplar 18 Industrial Park
Hesperia, California
Project No. 22G134-2
PLATE C- 1

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Grain Size Distribution

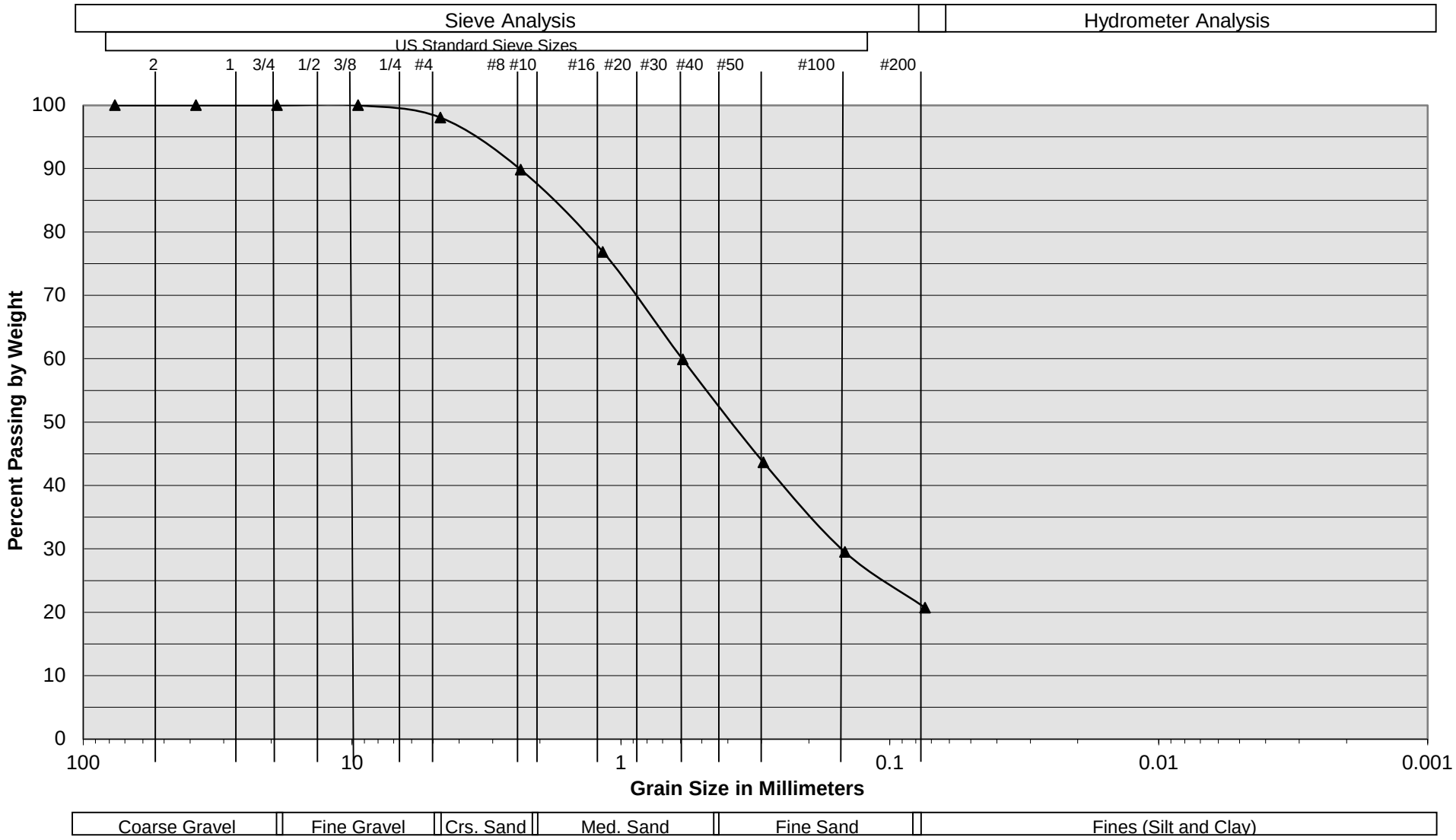


Sample Description	I-2 @ 12'
Soil Classification	OLDER ALLUVIUM: Light Brown Silty fine to coarse Sand, trace fine Gravel

Poplar 18 Industrial Park
Hesperia, California
Project No. 22G134-2
PLATE C- 2

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Grain Size Distribution



Sample Description	I-3 @ 12'
Soil Classification	OLDER ALLUVIUM: Light Brown Silty fine to coarse Sand

Poplar 18 Industrial Park
Hesperia, California
Project No. 22G134-2
PLATE C- 3

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Appendix G-2

Preliminary Water Quality Management Plan

MOJAVE RIVER WATERSHED

Preliminary Water Quality Management Plan

For:

Poplar 18 Industrial Park

PARCEL MAP NO. XXX

Prepared for:

Covington Development Group, Inc

3 Corporate Plaza, Suite 230

Newport Beach, CA 92660

(949) 706-8614

Prepared by:

WestLAND Group

4150 Concours, Suite 100

Ontario, CA 91764

(909) 989-9789

Submittal Date: 02/18/2022

Revision No. and Date: 1 - 05/20/2022

Revision No. and Date: Insert No and Current Revision Date

Revision No. and Date: Insert No and Current Revision Date

Revision No. and Date: Insert No and Current Revision Date

Revision No. and Date: Insert No and Current Revision Date

Final Approval Date:_____

Project Owner's Certification

This Mojave River Watershed Water Quality Management Plan (WQMP) has been prepared for Covington Development Group, Inc by WestLAND Group. The WQMP is intended to comply with the requirements of the City of Hesperia and the Phase II Small MS4 General Permit for the Mojave River Watershed. The undersigned, while it owns the subject property, is responsible for the implementation of the provisions of this plan and will ensure that this plan is amended as appropriate to reflect up-to-date conditions on the site consistent with the Phase II Small MS4 Permit and the intent of San Bernardino County (unincorporated areas of Phelan, Oak Hills, Spring Valley Lake and Victorville) and the incorporated cities of Hesperia and Victorville and the Town of Apple Valley. Once the undersigned transfers its interest in the property, its successors in interest and the city/county/town shall be notified of the transfer. The new owner will be informed of its responsibility under this WQMP. A copy of the approved WQMP shall be available on the subject site in perpetuity.

"I certify under a penalty of law that the provisions (implementation, operation, maintenance, and funding) of the WQMP have been accepted and that the plan will be transferred to future successors."

Project Data			
Permit/Application Number(s):	TBD	Grading Permit Number(s):	TBD
Tract/Parcel Map Number(s):	TBD	Building Permit Number(s):	TBD
CUP, SUP, and/or APN (Specify Lot Numbers if Portions of Tract):			

Owner's Signature			
Owner Name: Michael Di Sano			
Title	Senior Director		
Company	Covington Development Group, Inc		
Address	3 Corporate Plaza, Suite 230		
Email	mdisano@covingtongroupinc.com		
Telephone #	(949) 706-8614		
Signature		Date	

Preparer's Certification

Project Data			
Permit/Application Number(s):	TBD	Grading Permit Number(s):	TBD
Tract/Parcel Map Number(s):	TBD	Building Permit Number(s):	TBD
CUP, SUP, and/or APN (Specify Lot Numbers if Portions of Tract):			

"The selection, sizing and design of stormwater treatment and other stormwater quality and quantity control measures in this plan were prepared under my oversight and meet the requirements of the California State Water Resources Control Board Order No. 2013-0001-DWQ.

Engineer: Glenn Chung, PE QSD		PE Stamp Below
Title	Executive Vice President/Principal	
Company	Westland Group, Inc.	
Address	4150 Concours, Suite 100, Ontario CA 91764	
Email	gchung@westlandgroup.net	
Telephone #	(909) 989-9789	
Signature		
Date		

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Section I – Introduction

This WQMP template has been prepared specifically for the Phase II Small MS4 General Permit in the Mojave River Watershed. This location is within the jurisdiction of the Lahontan Regional Water Quality Control Board (LRWQCB). This document should not be confused with the WQMP template for the Santa Ana Phase I area of San Bernardino County.

WQMP preparers must refer to the MS4 Permit for the Mojave Watershed WQMP template and Technical Guidance (TGD) document found at: http://cms.sbcounty.gov/dpw/Land/NPDES.aspx to find pertinent arid region and Mojave River Watershed specific references and requirements.

Section 1 Discretionary Permit(s)

Form 1-1 Project Information

Project Name	Poplar 18 Industrial Park				
Project Owner Contact Name:	Michael Di Sano				
Mailing Address:	3 Corporate Plaza, Suite 230	E-mail Address:	mdisano@covingtongroupinc.com	Telephone:	(949) 706-8614
Permit/Application Number(s):			Tract/Parcel Map Number(s):		
Additional Information/ Comments:					
Description of Project:	The project site is located on the northwest corner of the intersection between Mesa Linda Street and Poplar Street and measures to be approximately 17.86 acres. The project site is currently vacant, undeveloped land with poor coverage. The soils have a hydrologic soil group classification of "A", and the site topography shows that stormwater runoff sheet flows to the northeast where it will naturally evaporate and infiltrate into the soil. See the exhibit for the Pre-Development conditions in Appendix A for more information. The proposed site will be an industrial development with one industrial building, parking areas, loading areas, drive aisles, and landscape areas. Stormwater runoff will be collected by nearby catch basins and conveyed to the proposed above ground basins and underground CMP via a storm drain system. Prior to entering the storm drain system, runoff will first be pretreated via filter inserts placed on the catch basins. Further downstream within the storm drain system, the runoff will be further pretreated via a hydrodynamic separator CDS unit prior to entering the underground CMP system. The site proposes one above ground basin to the west and one above ground basin and underground CMP detention system to the east. After pretreatment, runoff will be routed to the designated infiltration/detention BMP. Runoff in Drainage Area A will be routed to the above ground basin to the northwest along with the Underground CMP where it will collect and infiltrate into the soil. Runoff from Drainage Areas B and C will be routed into the same underground infiltration CMP and the above ground basin to the northeast. The basins are sized and designed to prevent flooding from a 100-year storm while also accommodating the required retention volume for water quality purposes. For this project, the basins are designed to capture the entire volume generated from a 100-year storm even meaning that no runoff will be discharged off site. For more information, please refer to the WQMP exhibit in Section 6.1.				

Provide summary of Conceptual WQMP conditions (if previously submitted and approved). Attach complete copy.	N/A

Section 2 Project Description

2.1 Project Information

The WQMP shall provide the information listed below. The information provided for Conceptual/ Preliminary WQMP should give sufficient detail to identify the major proposed site design and LID BMPs and other anticipated water quality features that impact site planning. Final Project WQMP must specifically identify all BMP incorporated into the final site design and provide other detailed information as described herein.

The purpose of this information is to help determine the applicable development category, pollutants of concern, watershed description, and long term maintenance responsibilities for the project, and any applicable water quality credits. This information will be used in conjunction with the information in Section 3, Site Description, to establish the performance criteria and to select the LID BMP or other BMP for the project or other alternative programs that the project will participate in, which are described in Section 4.

2.1.1 Project Sizing Categorization

If the Project is greater than 5,000 square feet, and not on the excluded list as found on Section 1.4 of the TGD, the Project is a Regulated Development Project.

If the Project is creating and/or replacing greater than 2,500 square feet but less than 5,000 square feet of impervious surface area, then it is considered a Site Design Only project. This criterion is applicable to all development types including detached single family homes that create and/or replace greater than 2,500 square feet of impervious area and are not part of a larger plan of development.

Form 2.1-1 Description of Proposed Project

1 Regulated Development Project Category (Select all that apply):

☒ #1 New development involving the creation of 5,000 ft² or more of impervious surface collectively over entire site	☐ #2 Significant re-development involving the addition or replacement of 5,000 ft² or more of impervious surface on an already developed site	☐ #3 Road Project – any road, sidewalk, or bicycle lane project that creates greater than 5,000 square feet of contiguous impervious surface	☐ #4 LUPs – linear underground/overhead projects that has a discrete location with 5,000 sq. ft. or more new constructed impervious surface

☐ Site Design Only (Project Total Square Feet > 2,500 but < 5,000 sq.ft.) *Will require source control Site Design Measures. Use the "PCMP" Template. Do not use this WQMP Template.*

2 Project Area (ft2):	778,113	**3** Number of Dwelling Units:		**4** SIC Code:	

5 Is Project going to be phased? Yes ☐ No ☒ *If yes, ensure that the WQMP evaluates each phase as a distinct DA, requiring LID BMPs to address runoff at time of completion.*

2.2 Property Ownership/Management

Describe the ownership/management of all portions of the project and site. State whether any infrastructure will transfer to public agencies (City, County, Caltrans, etc.) after project completion. State if a homeowners or property owners association will be formed and be responsible for the long-term maintenance of project stormwater facilities. Describe any lot-level stormwater features that will be the responsibility of individual property owners.

Form 2.2-1 Property Ownership/Management

Describe property ownership/management responsible for long-term maintenance of WQMP stormwater facilities:

Maintenance of the WQMP facilities will be the sole responsibility of the property owner:

Covington Development Group, Inc
3 Corporate Plaza, Suite 230
Newport Beach, CA 92660
Contact: Michael Di Sano
Phone: (949) 706-8614

The owner may choose to contract the appropriate employers for the maintenance of stormwater to whom will provide the proper equipment if the current owners to not have the proper equipment and/or knowledge to do so.

Any future property owner(s) whom will succeed Poplar 18 Industrial Park as the entity responsible for long term maintenance.

No infrastructure will be transferred to a public agency after completion. Refer to Section 5 of this WQMP report for detailed maintenance activities.

2.3 Potential Stormwater Pollutants

Best Management Practices (BMP) measures for pollutant generating activities and sources shall be designed consistent with recommendations from the CASQA Stormwater BMP Handbook for New Development and Redevelopment (or an equivalent manual). Pollutant generating activities must be considered when determining the overall pollutants of concern for the Project as presented in Form 2.3-1.

Determine and describe expected stormwater pollutants of concern based on land uses and site activities (refer to Table 3-2 in the TGD for WQMP).

Form 2.3-1 Pollutants of Concern

Pollutant	Please check: E=Expected, N=Not Expected		Additional Information and Comments
Pathogens (Bacterial / Virus)	E ☒	N ☐	Wild Bird and Pet Waste, Garbage
Nutrients - Phosphorous	E ☒	N ☐	Fertilizers, Food Waste, & Garbage
Nutrients - Nitrogen	E ☒	N ☐	Fertilizer & Waste
Noxious Aquatic Plants	E ☐	N ☒	The proposed development does not include any areas where water will be standing long enough to allow the growth of aquatic plants.
Sediment	E ☒	N ☐	Driveways, Rooftops, Sidewalks, Paved areas & landscape
Metals	E ☒	N ☐	Cars, Trucks & Parking Areas
Oil and Grease	E ☒	N ☐	Leaking Vehicles & Parking Areas
Trash/Debris	E ☒	N ☐	Poorly managed Trash Container & Parking area
Pesticides / Herbicides	E ☒	N ☐	Landscape Area
Organic Compounds	E ☒	N ☐	Cars & Trucks
Other:	E ☐	N ☐	
Other:	E ☐	N ☐	
Other:	E ☐	N ☐	

Section 3 Site and Watershed Description

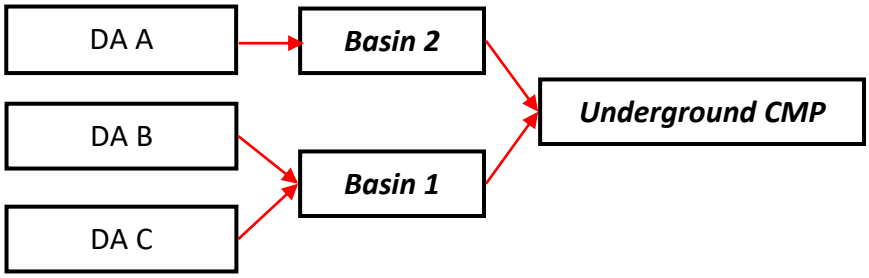
Describe the project site conditions that will facilitate the selection of BMPs through an analysis of the physical conditions and limitations of the site and its receiving waters. Identify distinct drainage areas (DA) that collect flow from a portion of the site and describe how runoff from each DA (and sub-watershed Drainage Management Areas (DMAs)) is conveyed to the site outlet(s). Refer to Section 3.2 in the TGD for WQMP. The form below is provided as an example. Then complete Forms 3.2 and 3.3 for each DA on the project site. ***If the project has more than one drainage area for stormwater management, then complete additional versions of these forms for each DA / outlet. A map presenting the DMAs must be included as an appendix to the WQMP document.***

Form 3-1 Site Location and Hydrologic Features

Site coordinates *take GPS measurement at approximate center of site*	Latitude 34.4168°	Longitude -117.3926°	Thomas Bros Map page 4475

1 San Bernardino County climatic region: ☒ Desert

2 Does the site have more than one drainage area (DA): Yes☒ No☐ *If no, proceed to Form 3-2. If yes, then use this form to show a conceptual schematic describing DMAs and hydrologic feature connecting DMAs to the site outlet(s). An example is provided below that can be modified for proposed project or a drawing clearly showing DMA and flow routing may be attached*



Conveyance	Briefly describe on-site drainage features to convey runoff that is not retained within a DMA
DA1 DMA C flows to DA1 DMA A	*Ex. Bioretention overflow to vegetated bioswale with 4' bottom width, 5:1 side slopes and bed slope of 0.01. Conveys runoff for 1000' through DMA 1 to existing catch basin on SE corner of property*
DA A to Basin 2	Runoff sheet flows into the nearest catch basin and routed into the above ground basin, Basin 2 and underground CMP infiltration system.
DA B/C to Basin 1	Runoff sheet flows into the nearest catch basin and routed into the underground CMP infiltration system and above ground basin, Basin 1.
DA C to Basin 2	

Form 3-2 Existing Hydrologic Characteristics for Drainage Area 1

For Drainage Area 1's sub-watershed DMA, provide the following characteristics	DA A	DA B		
1 DMA drainage area (ft^2)	418,622	359,491		
2 Existing site impervious area (ft^2)	0	0		
3 Antecedent moisture condition *For desert areas, use* *http://www.sbcounty.gov/dpw/floodcontrol/pdf/20100412_map.pdf*	AMC II	AMC II		
4 Hydrologic soil group *Refer to County Hydrology Manual Addendum for Arid Regions – http://www.sbcounty.gov/dpw/floodcontrol/pdf/20100412_addendum.pdf*	A	A		
5 Longest flowpath length (ft)	848	630		
6 Longest flowpath slope (ft/ft)	0.0200	0.0191		
7 Current land cover type(s) *Select from Fig C-3 of Hydrology Manual*	Grass, Annual or Perennial (Undeveloped)	Grass, Annual or Perennial (Undeveloped)		
8 Pre-developed pervious area condition: *Based on the extent of wet season vegetated cover good >75%; Fair 50-75%; Poor <50%* ***Attach photos of site to support rating***	Poor	Poor		

Form 3-3 Watershed Description for Drainage Area

Receiving waters Refer to SWRCB site: http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2010.shtml	Mojave River (Mojave Forks Reservoir outlet to Upper Narrows) Deep Creek (San Bernardino County) Oro Grande Wash Owner: SBCFCD
Applicable TMDLs *http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2010.shtml*	**Mojave River (Mojave Forks Reservoir outlet to Upper Narrows)** N/A **Deep Creek (San Bernardino County)** N/A **Oro Grande Wash** N/A
303(d) listed impairments *http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2010.shtml*	**Mojave River (Mojave Forks Reservoir outlet to Upper Narrows)** Fluoride **Deep Creek (San Bernardino County)** N/A **Oro Grande Wash** N/A
Environmentally Sensitive Areas (ESA) *Refer to Watershed Mapping Tool –* *http://sbcounty.permitrack.com/WAP*	**Environmentally Sensitive Areas within 200':** DESERT TORTOISE HABITAT CAT 3
Hydromodification Assessment	☒ Yes *Complete Hydromodification Assessment. Include Forms 4.2-2 through Form 4.2-5 and Hydromodification BMP Form 4.3-9 in submittal* ☐ No

Section 4 Best Management Practices (BMP)

4.1 Source Control BMPs and Site Design BMP Measures

The information and data in this section are required for both Regulated Development and Site Design Only Projects. Source Control BMPs and Site Design BMP Measures are the basis of site-specific pollution management.

4.1.1 Source Control BMPs

Non-structural and structural source control BMP are required to be incorporated into all new development and significant redevelopment projects. Form 4.1-1 and 4.1-2 are used to describe specific source control BMPs used in the WQMP or to explain why a certain BMP is not applicable. Table 7-3 of the TGD for WQMP provides a list of applicable source control BMP for projects with specific types of potential pollutant sources or activities. The source control BMP in this table must be implemented for projects with these specific types of potential pollutant sources or activities.

The preparers of this WQMP have reviewed the source control BMP requirements for new development and significant redevelopment projects. The preparers have also reviewed the specific BMP required for project as specified in Forms 4.1-1 and 4.1-2. All applicable non-structural and structural source control BMP shall be implemented in the project.

The identified list of source control BMPs correspond to the CASQA Stormwater BMP Handbook for New Development and Redevelopment.

Form 4.1-1 Non-Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, if not applicable, state reason
		Included	Not Applicable	
N1	Education of Property Owners, Tenants and Occupants on Stormwater BMPs	☒	☐	The current owner/developer and future owners and their POA shall be familiar with the contents of this WQMP and County & City ordinances and brochures and furnish copies of these documents to all future property owners.
N2	Activity Restrictions	☒	☐	Property owners and their tenants or occupants shall not be allowed to discharge chemicals, chemical residues, wastewater or other prohibited discharges listed in the City stormwater Ordinance, to the outside, paved areas of the site; or store chemicals or other pollutant sources in a non-spill contained or covered facilities as stipulated in the CC&Rs.
N3	Landscape Management BMPs	☒	☐	The POA and their landscape maintenance contractor shall inspect the irrigation system plant health and erosion problems after each landscape procedure and shall report all repairs and problems to the POA. All routine landscaping maintenance.
N4	BMP Maintenance	☒	☐	The POA shall inspect for standing water in the water retention/infiltration basins, 48 hours after storm events. BMP maintenance shall be performed per the schedule in Form 5-1, as needed to restore free drainage.
N5	Title 22 CCR Compliance (How development will comply)	☒	☐	The POA will file appropriate hazardous material disclosures, if any storage is conducted, and must comply with all Title 22 CCR, Chapter 29 regulations.
N6	Local Water Quality Ordinances	☒	☐	The POA shall ensure that all maintenance activities at the site comply with the City of Hesperia's Stormwater Ordinance, through the implementation of BMPs.
N7	Spill Contingency Plan	☒	☐	Building operators shall prepare specific plans based on materials on site for the cleanup of spills. Plans shall mandate stock piling of cleanup materials, notification of agencies, disposal, documentation, ect.
N8	Underground Storage Tank Compliance	☐	☒	There are no underground storage tanks at this site.
N9	Hazardous Materials Disclosure Compliance	☐	☒	The current owner and the future POA shall prohibit the storage of hazardous materials.

Form 4.1-1 Non-Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, if not applicable, state reason
		Included	Not Applicable	
N10	Uniform Fire Code Implementation	☒	☐	The current owners or the future POA shall require all fire code requirements to be implemented at this project site.
N11	Litter/Debris Control Program	☒	☐	The property owners, POA and their contractor shall pick up litter and sweep and clean the existing trash enclosure weekly. The trash enclosure is designed to divert all flows around the dumpsters and shall be roofed. The HOA shall contract with a refuse company to have the dumpsters emptied on a weekly basis, at a minimum.
N12	Employee Training	☒	☐	The POA shall require all maintenance contractors to train their employees in stormwater BMP implementation.
N13	Housekeeping of Loading Docks	☒	☐	Dock areas shall be swept regularly with litter control and cleanup procedures eliminating the use of water.
N14	Catch Basin Inspection Program	☒	☐	The on-site catch basins shall be inspected monthly during the rainy season (October-May) and before and after each storm to ensure proper operation. The HOA shall contract with a qualified landscape contractor to inspect and clean out accumulation of trash, litter and sediment and check for evidence of illegal dumping of waste materials into on-site drains.
N15	Vacuum Sweeping of Private Streets and Parking Lots	☒	☐	The paved areas and common open areas of the project site shall be swept and cleaned weekly by the POA's contractor
N16	Other Non-structural Measures for Public Agency Projects	☐	☒	This development is not part of a Public Agency Project.
N17	Comply with all other applicable NPDES permits	☒	☐	The developer of this site shall comply with all BMP implementation requirements of the City of Hesperia for Stormwater discharges during construction of this project and shall file for a permit coverage under the Statewide General Construction Stormwater Permit, prior to beginning construction/grading activities at this site. Following occupancy, owners, tenants, and POA shall comply with SB County MS4 Permit requirements, enforced by the City of Hesperia.

Form 4.1-2 Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, If not applicable, state reason
		Included	Not Applicable	
S1	Provide storm drain system stencilling and signage (CASQA New Development BMP Handbook SD-13)	☒	☐	A painted message "No Dumping-Drains to River" shall be placed on each catch basin by developer. The message shall be inspected annually & repainted as necessary by the POA.
S2	Design and construct outdoor material storage areas to reduce pollution introduction (CASQA New Development BMP Handbook SD-34)	☐	☒	This development does not include the storage of materials outdoors.
S3	Design and construct trash and waste storage areas to reduce pollution introduction (CASQA New Development BMP Handbook SD-32)	☒	☐	Stormwater flows are diverted away from the trash enclosure. All dumpsters shall have working lids which shall be kept closed, at all times. Trash enclosure shall comply with CASQA SD-32 and shall have doors and a solid roof.
S4	Use efficient irrigation systems & landscape design, water conservation, smart controllers, and source control (Statewide Model Landscape Ordinance; CASQA New Development BMP Handbook SD-12)	☒	☐	The irrigation system will include devices to prevent low head drainage, overspray and run off through the use of pressure regulating devices, check valves, rain shutoff valves, flow sensors, pressure drop sensors, proper spacing, low precipitation emission devices and ET or weather-based controllers. Landscape and irrigation shall be consistent with the State Model Water Efficient landscape Ordinance and the City of Ontario landscape Development Standards. Plants installed will be arranged according to similar hydrozones and meet the required water budget for the site. Shade trees shall be used to intercept rainwater and reduce heat gain on paving.
S5	Finish grade of landscaped areas at a minimum of 1-2 inches below top of curb, sidewalk, or pavement	☒	☐	All landscaped areas shall comply with depressed grading requirements by finish grading to a minimum of 1" below pavement grades or top-of-curb.
S6	Protect slopes and channels and provide energy dissipation (CASQA New Development BMP Handbook SD-10)	☒	☐	All slopes shall be hard lined, rip-rapped or vegetated to provide erosion protection and prevent sediment transport
S7	Covered dock areas (CASQA New Development BMP Handbook SD-31)	☐	☒	Unloading of truck trailers at docks will occur under cover of the building. It is not feasible to cover the entire loading area as it would be cost prohibitive. Project will incorporate dock high rollup doors and sweeping activities at the outside of the building.
S8	Covered maintenance bays with spill containment plans (CASQA New Development BMP Handbook SD-31)	☐	☒	Maintenance bays are not proposed as a part of this development, and no maintenance activities will be allowed on site.

S9	Vehicle wash areas with spill containment plans (CASQA New Development BMP Handbook SD-33)	☐	☒	Vehicle wash areas are not provided as part of this development.
S10	Covered outdoor processing areas (CASQA New Development BMP Handbook SD-36)	☐	☒	Outdoor processing is not associated with the proposed development.

Form 4.1-2 Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, If not applicable, state reason
		Included	Not Applicable	
S11	Equipment wash areas with spill containment plans (CASQA New Development BMP Handbook SD-33)	☐	☒	Outdoor equipment is not associated with the proposed development.
S12	Fueling areas (CASQA New Development BMP Handbook SD-30)	☐	☒	Fueling areas are not included as part of this development.
S13	Hillside landscaping (CASQA New Development BMP Handbook SD-10)	☐	☒	No hillsides will require re-vegetation as part of the proposed development.
S14	Wash water control for food preparation areas	☐	☒	The proposed development does not include food preparation areas.
S15	Community car wash racks (CASQA New Development BMP Handbook SD-33)	☐	☒	The proposed development does not include community car wash areas

4.1.2 Site Design BMPs

As part of the planning phase of a project, the site design practices associated with new LID requirements in the Phase II Small MS4 Permit must be considered. Site design BMP measures can result in smaller Design Capture Volume (DCV) to be managed by both LID and hydromodification control BMPs by reducing runoff generation.

As is stated in the Permit, it is necessary to evaluate site conditions such as soil type(s), existing vegetation and flow paths will influence the overall site design.

Describe site design and drainage plan including:

- A narrative of site design practices utilized or rationale for not using practices
- A narrative of how site plan incorporates preventive site design practices
- Include an attached Site Plan layout which shows how preventative site design practices are included in WQMP

Refer to Section 5.2 of the TGD for WQMP for more details.

Form 4.1-3 Site Design Practices Checklist

Site Design Practices *If yes, explain how preventative site design practice is addressed in project site plan. If no, other LID BMPs must be selected to meet targets*
Minimize impervious areas: Yes ☒ No ☐ Explanation: Impervious areas will be minimized to the maximum extent practicable. The proposed development requires large areas for loading docks and building foot prints.
Maximize natural infiltration capacity; Including improvement and maintenance of soil: Yes ☒ No ☐ Explanation: All pervious areas will be below adjacent impervious areas to maximize natural infiltration, and the project site utilizes subsurface infiltration basins.
Preserve existing drainage patterns and time of concentration: Yes ☐ No ☒ Explanation: Post-development has different travel distance, surface roughness and time concentration from the existing condition.
Disconnect impervious areas. Including rerouting of rooftop drainage pipes to drain stormwater to storage or infiltration BMPs instead of to storm drain : Yes ☒ No ☐ Explanation: Most areas are run through landscape areas prior to entering the storm drain system. Roof area will be conveyed through adjacent landscaping, where feasible.
Use of Porous Pavement.: Yes ☐ No ☒ Explanation: The project does not propose areas with porous pavement.
Protect existing vegetation and sensitive areas: Yes ☐ No ☒ Explanation: Native vegetation has been mostly removed by agricultural activities, and the existing undeveloped area will not be preserved.
Re-vegetate disturbed areas. Including planting and preservation of drought tolerant vegetation. : Yes ☒ No ☐ Explanation: Any areas that are disturbed will be stabilized prior to project completion.

Minimize unnecessary compaction in stormwater retention/infiltration basin/trench areas: Yes ☒ No ☐ Explanation: Landscaping areas will be staked off after rough grading has been completed to prevent excessive compaction, the areas in which the subsurface basins are to be constructed will minimize compaction.
Utilize naturalized/rock-lined drainage swales in place of underground piping or imperviously lined swales: Yes ☐ No ☒ Explanation: The project does not incorporate naturalized/ rock-lined drainage swales in place of underground piping.
Stake off areas that will be used for landscaping to minimize compaction during construction : Yes ☒ No ☐ Explanation: Landscaping areas will be staked off after rough grading has been completed to prevent excessive compaction.
Use of Rain Barrels and Cisterns, Including the use of on-site water collection systems.: Yes ☐ No ☒ Explanation: The project does not incorporate rain barrels and cisterns.
Stream Setbacks. Includes a specified distance from an adjacent steam: : Yes ☐ No ☒ Explanation: There are no streams adjacent to the property.

It is noted that, in the Phase II Small MS4 Permit, site design elements for green roofs and vegetative swales are required. Due to the local climatology in the Mojave River Watershed, proactive measures are taken to maximize the amount of drought tolerant vegetation. It is not practical in this region to have green roofs or vegetative swales. As part of site design the project proponent should utilize locally recommended vegetation types for landscaping. Typical landscaping recommendations are found in following local references:

San Bernardino County Special Districts:

Guide to High Desert Landscaping -
http://www.specialdistricts.org/Modules/ShowDocument.aspx?documentid=795

Recommended High-Desert Plants -
http://www.specialdistricts.org/modules/showdocument.aspx?documentid=553

Mojave Water Agency:

Desert Ranch: http://www.mojavewater.org/files/desertranchgardenprototype.pdf

Summertree: http://www.mojavewater.org/files/Summertree-Native-Plant-Brochure.pdf

Thornless Garden: http://www.mojavewater.org/files/thornlessgardenprototype.pdf

Mediterranean Garden: http://www.mojavewater.org/files/mediterraneangardenprototype.pdf

Lush and Efficient Garden: http://www.mojavewater.org/files/lushandefficientgardenprototype.pdf

Alliance for Water Awareness and Conservation (AWAC) outdoor tips – http://hdawac.org/save-outdoors.html

4.2 Treatment BMPs

After implementation and design of both Source Control BMPs and Site Design BMP measures, any remaining runoff from impervious DMAs must be directed to one or more on-site, treatment BMPs (LID or biotreatment) designed to infiltrate, evaportranspire, and/or bioretain the amount of runoff specified in Permit Section E.12.e (ii)(c) Numeric Sizing Criteria for Storm Water Retention and Treatment.

4.2.1 Project Specific Hydrology Characterization

The purpose of this section of the Project WQMP is to establish targets for post-development hydrology based on performance criteria specified in Section E.12.e.ii.c and Section E.12.f of the Phase II Small MS4 Permit. These targets include runoff volume for water quality control (referred to as LID design capture volume), and runoff volume, time of concentration, and peak runoff for protection from hydromodification.

If the project has more than one outlet for stormwater runoff, then complete additional versions of these forms for each DA / outlet.

It is noted that in the Phase II Small MS4 Permit jurisdictions, the LID BMP Design Capture Volume criteria is based on the 2-year rain event. The hydromodification performance criterion is based on the 10-year rain event.

Methods applied in the following forms include:

- For LID BMP Design Capture Volume (DCV), San Bernardino County requires use of the P_6 method (Form 4.2-1) For pre- and post-development hydrologic calculation, San Bernardino County requires the use of the Rational Method (San Bernardino County Hydrology Manual Section D). Forms 4.2-2 through Form 4.2-5 calculate hydrologic variables including runoff volume, time of concentration, and peak runoff from the project site pre- and post-development using the Hydrology Manual Rational Method approach. For projects greater than 640 acres (1.0 mi^2), the Rational Method and these forms should not be used. For such projects, the Unit Hydrograph Method (San Bernardino County Hydrology Manual Section E) shall be applied for hydrologic calculations for hydromodification performance criteria.

Refer to Section 4 in the TGD for WQMP for detailed guidance and instructions.

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DA 1)		
[1] Project area DA 1 (ft^2): 104,677	[2] Imperviousness after applying preventative site design practices (Imp%): 81	[3] Runoff Coefficient (Rc): 0.61 *$R_c = 0.858(Imp\%)^{\wedge 3}-0.78(Imp\%)^{\wedge 2}+0.774(Imp\%)+0.04$*
[4] Determine 1-hour rainfall depth for a 2-year return period $P_{2yr\text{-}1hr}$ (in): 0.458 http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html		
[5] Compute P_6, Mean 6-hr Precipitation (inches): 0.57 *P_6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1 (Desert = 1.2371)*		
[6] Drawdown Rate *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*		24-hrs ☐ 48-hrs ☒
[7] Compute design capture volume, DCV (ft^3): 5,929 *DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)* *Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2*		

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DA 2)		
[1] Project area DA 1 (ft^2): 673,436	[2] Imperviousness after applying preventative site design practices (Imp%): 81	[3] Runoff Coefficient (Rc): 0.61 *$R_c = 0.858(Imp\%)^{\wedge 3}-0.78(Imp\%)^{\wedge 2}+0.774(Imp\%)+0.04$*
[4] Determine 1-hour rainfall depth for a 2-year return period $P_{2yr\text{-}1hr}$ (in): 0.458 http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html		
[5] Compute P_6, Mean 6-hr Precipitation (inches): 0.57 *P_6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1 (Desert = 1.2371)*		
[6] Drawdown Rate *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*		24-hrs ☐ 48-hrs ☒
[7] Compute design capture volume, DCV (ft^3): 38,147 *DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)* *Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2*		

Form 4.2-2 Summary of Hydromodification Assessment (Entire Site)

Is the change in post- and pre- condition flows captured on-site? : Yes ☒ No ☐

If "Yes", then complete Hydromodification assessment of site hydrology for 10yr storm event using Forms 4.2-3 through 4.2-5 and insert results below *(Forms 4.2-3 through 4.2-5 may be replaced by computer software analysis based on the San Bernardino County Hydrology Manual- Addendum 1)*

If "No," then proceed to Section 4.3 BMP Selection and Sizing

Condition	Runoff Volume (ft^3)	Time of Concentration (min)	Peak Runoff (cfs)
Pre-developed	**1** 75,376 *Form 4.2-3 Item 12*	**2** 16.22 *Form 4.2-4 Item 13*	**3** 19.88 *Form 4.2-5 Item 10*
Post-developed	**4** 182,860 *Form 4.2-3 Item 13*	**5** 5.42 *Form 4.2-4 Item 14*	**6** 46.76 *Form 4.2-5 Item 14*
Difference	**7** *107,484* *Item 4 – Item 1*	**8** *10.80* *Item 2 – Item 5*	**9** *26.88* *Item 6 – Item 3*
Difference (as % of pre-developed)	**10** *143%* *Item 7 / Item 1*	**11** *67%* *Item 8 / Item 2*	**12** *135%* *Item 9 / Item 3*

Civil D is a computer software analysis that that can be utilized to assess HCOC and replace Forms 4.2-3 through 4.2-5. The methodology for the program is based off of the San Bernardino County Hydrology Manual. An HCOC summary is provided below and the calculations can be found in Section 6.5.

HCOC Calculation Summary Table

	10-Year, 24-Hour Runoff Volume (CF)
Pre-Development Condition	75,376
Post-Development Condition	182,860
HCOC Required Volume *0.95*(Post-Development) – Pre-Development*	98,341
DCV *Form 4.2-1*	44,076
Notes	Since the HCOC Required Volume is greater than the DCV, the HCOC Required Volume will be used for the BMP design

4.3 BMP Selection and Sizing

Complete the following forms for each project site DA to document that the proposed treatment (LID/Bioretention) BMPs conform to the project DCV developed to meet performance criteria specified in the Phase II Small MS4 Permit (WQMP Template Section 4.2). For the LID DCV, the forms are ordered according to hierarchy of BMP selection as required by the Phase II Small MS4 Permit (see Section 5.3 in the TGD for WQMP). The forms compute the following for on-site LID BMP:

- Site Design Measures (Form 4.3-2)
- Retention and Infiltration BMPs (Form 4.3-3) or
- Biotreatment BMPs (Form 4.3-4).

> Please note that the selected BMPs may also be used as dual purpose for on-site, hydromodification mitigation and management.

At the end of each form, additional fields facilitate the determination of the extent of mitigation provided by the specific BMP category, allowing for use of the next category of BMP in the hierarchy, if necessary.

The first step in the analysis, using Section 5.3.2 of the TGD for WQMP, is to complete Forms 4.3-1 and 4.3-3) to determine if retention and infiltration BMPs are infeasible for the project. For each feasibility criterion in Form 4.3-1, if the answer is "Yes," provide all study findings that includes relevant calculations, maps, data sources, etc. used to make the determination of infeasibility.

Next, complete Form 4.3-2 to determine the feasibility of applicable Site Design BMPs, and, if their implementation is feasible, the extent of mitigation of the DCV.

If no site constraints exist that would limit the type of BMP to be implemented in a DA, evaluate the use of combinations of LID BMPs, including all applicable Site Design BMPs to maximize on-site retention of the DCV. If no combination of BMP can mitigate the entire DCV, implement the single BMP type, or combination of BMP types, that maximizes on-site retention of the DCV within the minimum effective area.

If the combination of site design, retention and/or infiltration BMPs is unable to mitigate the entire DCV, then the remainder of the volume-based performance criteria that cannot be achieved with site design, retention and/or infiltration BMPs must be managed through biotreatment BMPs. If biotreatment BMPs are used, then they must be sized to provide equivalent effectiveness based on Template Section 4.3.4.

4.3.1 Exceptions to Requirements for Bioretention Facilities

Contingent on a demonstration that use of bioretention or a facility of equivalent effectiveness is infeasible, other types of biotreatment or media filters (such as tree-box-type biofilters or in-vault media filters) may be used for the following categories of Regulated Projects:

1) Projects creating or replacing an acre or less of impervious area, and located in a designated pedestrian-oriented commercial district (i.e., smart growth projects), and having at least 85% of the entire project site covered by permanent structures;

2) Facilities receiving runoff solely from existing (pre-project) impervious areas; and

3) Historic sites, structures or landscapes that cannot alter their original configuration in order to maintain their historic integrity.

Form 4.3-1 Infiltration BMP Feasibility (DA 1)

Feasibility Criterion – Complete evaluation for each DA on the Project Site

[1] Would infiltration BMP pose significant risk for groundwater related concerns? Yes ☐ No ☒
Refer to Section 5.3.2.1 of the TGD for WQMP

If Yes, Provide basis: (attach)

[2] Would installation of infiltration BMP significantly increase the risk of geotechnical hazards? Yes ☐ No ☒
(Yes, if the answer to any of the following questions is yes, as established by a geotechnical expert):

- The location is less than 50 feet away from slopes steeper than 15 percent
- The location is less than ten feet from building foundations or an alternative setback.
- A study certified by a geotechnical professional or an available watershed study determines that stormwater infiltration would result in significantly increased risks of geotechnical hazards.

If Yes, Provide basis: (attach)

[3] Would infiltration of runoff on a Project site violate downstream water rights? Yes ☐ No ☒

If Yes, Provide basis: (attach)

[4] Is proposed infiltration facility located on hydrologic soil group (HSG) D soils or does the site geotechnical investigation indicate presence of soil characteristics, which support categorization as D soils? Yes ☐ No ☒

If Yes, Provide basis: (attach)

[5] Is the design infiltration rate, after accounting for safety factor of 2.0, below proposed facility less than 0.3 in/hr (accounting for soil amendments)? Yes ☐ No ☒

If Yes, Provide basis: (attach)

[6] Would on-site infiltration or reduction of runoff over pre-developed conditions be partially or fully inconsistent with watershed management strategies as defined in the WAP, or impair beneficial uses? Yes ☐ No ☒
See Section 3.5 of the TGD for WQMP and WAP

If Yes, Provide basis: (attach)

[7] Any answer from Item 1 through Item 3 is "Yes": Yes ☐ No ☒
If yes, infiltration of any volume is not feasible onsite. Proceed to Form 4.3-4, Selection and Evaluation of Biotreatment BMP.
If no, then proceed to Item 8 below.

[8] Any answer from Item 4 through Item 6 is "Yes": Yes ☐ No ☒
If yes, infiltration is permissible but is not required to be considered. Proceed to Form 4.3-2, Site Design BMP.
If no, then proceed to Item 9, below.

[9] All answers to Item 1 through Item 6 are "No":
Infiltration of the full DCV is potentially feasible, LID infiltration BMP must be designed to infiltrate the full DCV to the MEP.
Proceed to Form 4.3-2, Site Design BMPs.

4.3.2 Site Design BMP

Section E.12.e. of the Small Phase II MS4 Permit emphasizes the use of LID preventative measures; and the use of Site Design Measures reduces the portion of the DCV that must be addressed in downstream BMPs. Therefore, all applicable Site Design Measures shall be provided except where they are mutually exclusive with each other, or with other BMPs. Mutual exclusivity may result from overlapping BMP footprints such that either would be potentially feasible by itself, but both could not be implemented. Please note that while there are no numeric standards regarding the use of Site Design BMPs. If a project cannot feasibly meet BMP sizing requirements or cannot fully address hydromodification, feasibility of all applicable Site Design BMPs must be part of demonstrating that the BMP system has been designed to retain the maximum feasible portion of the DCV. Complete Form 4.3-2 to identify and calculate estimated retention volume from implementing site design BMP. Refer to Section 5.4 in the TGD for more detailed guidance.

Form 4.3-2 Site Design BMPs (DA 1)

1 Implementation of Impervious Area Dispersion BMP (i.e. routing runoff from impervious to pervious areas), excluding impervious areas planned for routing to on-lot infiltration BMP: Yes ☐ No ☒ *If yes, complete Items 2-5; If no, proceed to Item 6*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
2 Total impervious area draining to pervious area (ft^2)			
3 Ratio of pervious area receiving runoff to impervious area			
4 Retention volume achieved from impervious area dispersion (ft^3) *V = Item2 * Item 3 * (0.5/12), assuming retention of 0.5 inches of runoff*			
5 Sum of retention volume achieved from impervious area dispersion (ft^3):		$V_{retention}$ *=Sum of Item 4 for all BMPs*	
6 Implementation of Localized On-lot Infiltration BMPs (e.g. on-lot rain gardens): Yes ☐ No ☒ *If yes, complete Items 7-13 for aggregate of all on-lot infiltration BMP in each DA; If no, proceed to Item 14*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
7 Ponding surface area (ft^2)			
8 Ponding depth (ft) (min. 0.5 ft.)			
9 Surface area of amended soil/gravel (ft^2)			
10 Average depth of amended soil/gravel (ft) (min. 1 ft.)			
11 Average porosity of amended soil/gravel			
12 Retention volume achieved from on-lot infiltration (ft^3) $V_{retention}$ *= (Item 7 *Item 8) + (Item 9 * Item 10 * Item 11)*			

Form 4.3-2 Site Design BMPs (DA 1)

13 Runoff volume retention from on-lot infiltration (ft^3): *$V_{retention}$ =Sum of Item 12 for all BMPs*

Form 4.3-2 cont. Site Design BMPs (DA 1)

14 Implementation of Street Trees: Yes ☐ No ☒ *If yes, complete Items 14-18. If no, proceed to Item 19*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
15 Number of Street Trees			
16 Average canopy cover over impervious area (ft^2)			
17 Runoff volume retention from street trees (ft^3) *$V_{retention}$ = Item 15 * Item 16 * (0.05/12) assume runoff retention of 0.05 inches*			
18 Runoff volume retention from street tree BMPs (ft^3): *$V_{retention}$ = Sum of Item 17 for all BMPs*			
19 Total Retention Volume from Site Design BMPs: *Sum of Items 5, 13 and 18*			

4.3.3 Infiltration BMPs

Use Form 4.3-3 to compute on-site retention of runoff from proposed retention and infiltration BMPs. Volume retention estimates are sensitive to the percolation rate used, which determines the amount of runoff that can be infiltrated within the specified drawdown time. The infiltration safety factor reduces field measured percolation to account for potential inaccuracy associated with field measurements, declining BMP performance over time, and compaction during construction. Appendix C of the TGD for WQMP provides guidance on estimating an appropriate safety factor to use in Form 4.3-3.

If site constraints limit the use of BMPs to a single type and implementation of retention and infiltration BMPs mitigate no more than 40% of the DCV, then they are considered infeasible and the Project Proponent may evaluate the effectiveness of BMPs lower in the LID hierarchy of use (Section 5.5 of the TGD for WQMP)

If implementation of infiltrations BMPs is feasible as determined using Form 4.3-1, then LID infiltration BMPs shall be implemented to the MEP (section 4.1 of the TGD for WQMP).

4.3.3.1 Allowed Variations for Special Site Conditions

The bioretention system design parameters of this Section may be adjusted for the following special site conditions:

1) Facilities located within 10 feet of structures or other potential geotechnical hazards established by the geotechnical expert for the project may incorporate an impervious cutoff wall between the bioretention facility and the structure or other geotechnical hazard.

2) Facilities with documented high concentrations of pollutants in underlying soil or groundwater, facilities located where infiltration could contribute to a geotechnical hazard, and facilities located on elevated plazas or other structures may incorporate an impervious liner and may locate the underdrain discharge at the bottom of the subsurface drainage/storage layer (this configuration is commonly known as a “flow-through planter”).

3) Facilities located in areas of high groundwater, highly infiltrative soils or where connection of underdrain to a surface drain or to a subsurface storm drain are infeasible, may omit the underdrain.

4) Facilities serving high-risk areas such as fueling stations, truck stops, auto repairs, and heavy industrial sites may be required to provide adequate pretreatment to address pollutants of concern unless these high-risk areas are isolated from storm water runoff or bioretention areas with no chance of spill migration.

Form 4.3-3 Infiltration LID BMP - including underground BMPs (DA 1)

1 Remaining LID DCV not met by site design BMP (ft^3): 44,076 *V_{unmet} = Form 4.2-1 Item 7 - Form 4.3-2 Item19*

BMP Type *Use columns to the right to compute runoff volume retention from proposed infiltration BMP (select BMP from Table 5-4 in TGD for WQMP) - Use additional forms for more BMPs*	DA A1 DMA 1 BMP Type Infiltration Basin	DA B1 DMA 1 BMP Type Infiltration Basin	DA B1 DMA 1 BMP Type Infiltration CMP *(Use additional forms for more BMPs)*
2 Infiltration rate of underlying soils (in/hr) *See Section 5.4.2 and Appendix C of the TGD for WQMP for minimum requirements for assessment methods*	0.7	0.9	8.77
3 Infiltration safety factor *See TGD Section 5.4.2 and Appendix D*	2	2	2
4 Design percolation rate (in/hr) *P_{design} = Item 2 / Item 3*	0.35	0.45	4.38
5 Ponded water drawdown time (hr) *Copy Item 6 in Form 4.2-1*	96	96	48
6 Maximum ponding depth (ft) *BMP specific, see Table 5-4 of the TGD for WQMP for BMP design details*	4	4	12
7 Ponding Depth (ft) *d_{BMP} = Minimum of (1/12*Item 4*Item 5) or Item 6*	4	4	12
8 Infiltrating surface area, SA_{BMP} (ft^2) *the lesser of the area needed for infiltration of full DCV or minimum space requirements from Table 5.7 of the TGD for WQMP*	7045	6961	84,680
9 Amended soil depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 in the TGD for WQMP for reference to BMP design details*	4	4	N/A
10 Amended soil porosity	0.35	0.35	N/A
11 Gravel depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 of the TGD for WQMP for BMP design details*	N/A	N/A	0.5
12 Gravel porosity	N/A	N/A	0.40
13 Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*	3	3	N/A
14 Above Ground Retention Volume (ft^3) *$V_{retention}$ = Item 8 * [Item7 + (Item 9 * Item 10) + (Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*	31,614	31,412	N/A
15 Underground Retention Volume (ft^3) *Volume determined using manufacturer's specifications and calculations*	N/A	N/A	348,521

16 Total Retention Volume from LID Infiltration BMPs: 411,547 *(Sum of Items 14 and 15 for all infiltration BMP included in plan)*

17 Fraction of DCV achieved with infiltration BMP: 100% *Retention% = Item 16 / Form 4.2-1 Item 7*

18 Is full LID DCV retained onsite with combination of hydrologic source control and LID retention/infiltration BMPs? Yes ☒ No ☐

If yes, demonstrate conformance using Form 4.3-10; If no, then reduce Item 3, Factor of Safety to 2.0 and increase Item 8, Infiltrating Surface Area, such that the portion of the site area used for retention and infiltration BMPs equals or exceeds the minimum effective area thresholds (Table 5-7 of the TGD for WQMP) for the applicable category of development and repeat all above calculations.

4.3.4 Biotreatment BMP

Biotreatment BMPs may be considered if the full LID DCV cannot be met by maximizing retention and infiltration. A key consideration when using biotreatment BMP is the effectiveness of the proposed BMP in addressing the pollutants of concern for the project (see Table 5-5 of the TGD for WQMP).

Use Form 4.3-4 to summarize the potential for volume based and/or flow based biotreatment options to biotreat the remaining unmet LID DCV. Biotreatment computations are included as follows:

- Use Form 4.3-5 to compute biotreatment in small volume based biotreatment BMP (e.g. bioretention w/underdrains);
- Use Form 4.3-6 to compute biotreatment in large volume based biotreatment BMP (e.g. constructed wetlands);
- Use Form 4.3-7 to compute sizing criteria for flow-based biotreatment BMP (e.g. bioswales)

Form 4.3-4 Selection and Evaluation of Biotreatment BMP (DA 1)

1 Remaining LID DCV not met by site design , or infiltration, BMP for potential biotreatment (ft^3): *Form 4.2-1 Item 7 - Form 4.3-2 Item 19 – Form 4.3-3 Item 16*	List pollutants of concern *Copy from Form 2.3-1.*	
2 Biotreatment BMP Selected *(Select biotreatment BMP(s) necessary to ensure all pollutants of concern are addressed through Unit Operations and Processes, described in Table 5-5 of the TGD for WQMP)*	Volume-based biotreatment *Use Forms 4.3-5 and 4.3-6 to compute treated volume*	Flow-based biotreatment *Use Form 4.3-7 to compute treated flow*
	☐ Bioretention with underdrain ☐ Planter box with underdrain ☐ Constructed wetlands ☐ Wet extended detention ☐ Dry extended detention	☐ Vegetated swale ☐ Vegetated filter strip ☐ Proprietary biotreatment
3 Volume biotreated in volume based biotreatment BMP (ft^3): *Form 4.3-5 Item 15 + Form 4.3-6 Item 13*	**4** Compute remaining LID DCV with implementation of volume based biotreatment BMP (ft^3): *Item 1 – Item 3*	**5** Remaining fraction of LID DCV for sizing flow based biotreatment BMP: % *Item 4 / Item 1*
6 Flow-based biotreatment BMP capacity provided (cfs): *Use Figure 5-2 of the TGD for WQMP to determine flow capacity required to provide biotreatment of remaining percentage of unmet LID DCV (Item 5), for the project's precipitation zone (Form 3-1 Item 1)*		
7 Metrics for MEP determination: • Provided a WQMP with the portion of site area used for suite of LID BMP equal to minimum thresholds in Table 5-7 of the TGD for WQMP for the proposed category of development: ☐ *If maximized on-site retention BMPs is feasible for partial capture, then LID BMP implementation must be optimized to retain and infiltrate the maximum portion of the DCV possible within the prescribed minimum effective area. The remaining portion of the DCV shall then be mitigated using biotreatment BMP.*		

4.3.5 Conformance Summary

Complete Form 4.3-8 to demonstrate how on-site LID DCV is met with proposed site design, infiltration, and/or biotreatment BMP. The bottom line of the form is used to describe the basis for infeasibility determination for on-site LID BMP to achieve full LID DCV, and provides methods for computing remaining volume to be addressed in an alternative compliance plan. If the project has more than one outlet, then complete additional versions of this form for each outlet.

Form 4.3-8 Conformance Summary and Alternative Compliance Volume Estimate (DA 1)

1 Total LID DCV for the Project DA-1 (ft^3): 44,076 *Copy Item 7 in Form 4.2-1*

2 On-site retention with site design BMP (ft^3): N/A *Copy Item18 in Form 4.3-2*

3 On-site retention with LID infiltration BMP (ft^3): 411,547 *Copy Item 16 in Form 4.3-3*

4 On-site biotreatment with volume based biotreatment BMP (ft^3): N/A *Copy Item 3 in Form 4.3-4*

5 Flow capacity provided by flow based biotreatment BMP (cfs): N/A *Copy Item 6 in Form 4.3-4*

6 LID BMP performance criteria are achieved if answer to any of the following is "Yes":

- Full retention of LID DCV with site design or infiltration BMP: Yes ☒ No ☐
  If yes, sum of Items 2, 3, and 4 is greater than Item 1
- Combination of on-site retention BMPs for a portion of the LID DCV and volume-based biotreatment BMP that address all pollutants of concern for the remaining LID DCV: Yes ☐ No ☒
  If yes, a) sum of Items 2, 3, 4, and 5 is greater than Item 1, and Items 2, 3 and 4 are maximized; or b) Item 6 is greater than Form 4.3--5 Item 6 and Items 2, 3 and 4 are maximized
- On-site retention and infiltration is determined to be infeasible; therefore biotreatment BMP provides biotreatment for all pollutants of concern for full LID DCV: Yes ☐ No ☒
  If yes, Form 4.3-1 Items 7 and 8 were both checked yes

7 If the LID DCV is not achieved by any of these means, then the project may be allowed to develop an alternative compliance plan. Check box that describes the scenario which caused the need for alternative compliance:

- Combination of Site Design, retention and infiltration, , and biotreatment BMPs provide less than full LID DCV capture: ☐
  Checked yes if Form 4.3-4 Item 7is checked yes, Form 4.3-4 Item 6 is zero, and sum of Items 2, 3, 4, and 5 is less than Item 1. If so, apply water quality credits and calculate volume for alternative compliance, V_{alt} *= (Item 1 – Item 2 – Item 3 – Item 4 – Item 5) * (100 - Form 2.4-1 Item 2)%*

- Facilities, or a combination of facilities, of a different design than in Section E.12.e.(ii)(f) may be permitted if all of the following Phase II Small MS4 General Permit 2013-0001-DWQ 55 February 5, 2013 measures of equivalent effectiveness are demonstrated:
  1) Equal or greater amount of runoff infiltrated or evapotranspired; ☐
  2) Equal or lower pollutant concentrations in runoff that is discharged after biotreatment; ☐
  3) Equal or greater protection against shock loadings and spills; ☐
  4) Equal or greater accessibility and ease of inspection and maintenance. ☐

4.3.6 Hydromodification Control BMP

Use Form 4.3-9 to compute the remaining runoff volume retention, after Site Design BMPs are implemented, needed to address hydromodification, and the increase in time of concentration and decrease in peak runoff necessary to meet targets for protection of waterbodies with a potential hydromodification. Describe the proposed hydromodification treatment control BMP. Section 5.6 of the TGD for WQMP provides additional details on selection and evaluation of hydromodification control BMP.

Form 4.3-9 Hydromodification Control BMPs (DA 1)

1 Volume reduction needed for hydromodification performance criteria (ft^3): 5,401 *(Form 4.2-2 Item 4 * 0.95) – Form 4.2-2 Item 1*	**2** On-site retention with site design and infiltration, BMP (ft^3): 411,547 *Sum of Form 4.3-8 Items 2, 3, and 4. Evaluate option to increase implementation of on-site retention in Forms 4.3-2, 4.3-3, and 4.3-4 in excess of LID DCV toward achieving hydromodification volume reduction*
3 Remaining volume for hydromodification volume capture (ft^3): 0 *Item 1 – Item 2*	**4** Volume capture provided by incorporating additional on-site BMPs (ft^3): N/A

5 Is Form 4.2-2 Item 11 less than or equal to 5%: Yes ☐ No ☒

If yes, hydromodification performance criteria is achieved. If no, select one or more mitigation options below:

- Demonstrate increase in time of concentration achieved by proposed LID site design, LID BMP, and additional on-site BMP ☒
- Increase time of concentration by preserving pre-developed flow path and/or increase travel time by reducing slope and increasing cross-sectional area and roughness for proposed on-site conveyance facilities ☐

6 Form 4.2-2 Item 12 less than or equal to 5%: Yes ☐ No ☒

If yes, hydromodification performance criteria is achieved. If no, select one or more mitigation options below:

- Demonstrate reduction in peak runoff achieved by proposed LID site design, LID BMPs, and additional on-site retention BMPs ☒

Since there was no remaining volume necessary for HCOC mitigation, additional on-site BMPs are not necessary for this project. Basin design and analysis has been implemented to show the decrease in the peak runoff and increase in the time of concentration. The table on the following page provides a summary of the volumes, time of concentration, and peak runoff after taking into account the BMPs. See Section 6.5 for calculations and basin analysis for the 10-year storm.

HCOC Calculation Summary Table

	10-Year Time of Concentration (Min)	10-Year Peak Runoff (cfs)	10-Year, 24-Hour Runoff Volume (CF)
Pre-Development Condition	16.22	19.88	75,376
Post-Development Condition without BMPs	5.42	46.76	182,860
Post-Development Condition with BMPs	16 hours, 5 minutes (Retention Volume)	0.59	202,074 (Retention Volume)
HCOC Requirement *0.95*(Post-Development) – Pre-Development*	9.99 (Additional time that must be provided)	24.54 (Runoff reduction)	98,406 (Required Retention)
Notes	The basin retains the entire water quality volume before releasing runoff offsite. For a 10-year storm event, the water quality volume was calculated to be met at 16 hours, 5 minutes.	To comply with HCOC requirements, the allowable flow rate for a 10-year storm is 46.76 – 24.54 = 22.22 cfs	To comply with HCOC requirements, 98,406 CF will need to be retained onsite. The proposed BMPs will retain a total of 343,010 CF.

4.4 Alternative Compliance Plan (if applicable)

Describe an alternative compliance plan (if applicable) for projects not fully able to infiltrate, or biotreat the DCV via on-site LID practices. A project proponent must develop an alternative compliance plan to address the remainder of the LID DCV. Depending on project type some projects may qualify for water quality credits that can be applied to reduce the DCV that must be treated prior to development of an alternative compliance plan (see Form 2.4-1, Water Quality Credits). Form 4.3-9 Item 8 includes instructions on how to apply water quality credits when computing the DCV that must be met through alternative compliance.

Alternative Designs — Facilities, or a combination of facilities, of a different design than in Permit Section E.12.e.(ii)(f) may be permitted if all of the following measures of equivalent effectiveness are demonstrated:

1) Equal or greater amount of runoff infiltrated or evapotranspired;

2) Equal or lower pollutant concentrations in runoff that is discharged after biotreatment;

3) Equal or greater protection against shock loadings and spills;

4) Equal or greater accessibility and ease of inspection and maintenance.

The Project Proponent will need to obtain written approval for an alternative design from the Lahontan Regional Water Board Executive Officer (see Section 6 of the TGD for WQMP).

Section 5 Inspection and Maintenance Responsibility for Post Construction BMP

All BMPs included as part of the project WQMP are required to be maintained through regular scheduled inspection and maintenance (refer to Section 8, Post Construction BMP Requirements, in the TGD for WQMP). Fully complete Form 5-1 summarizing all BMP included in the WQMP. Attach additional forms as needed. The WQMP shall also include a detailed Operation and Maintenance Plan for all BMP and a Maintenance Agreement. The Maintenance Agreement must also be attached to the WQMP.

Note that at time of Project construction completion, the Maintenance Agreement must be completed, signed, notarized and submitted to the County Stormwater Department

Form 5-1 BMP Inspection and Maintenance (use additional forms as necessary)

BMP	Reponsible Party(s)	Inspection/ Maintenance Activities Required	Minimum Frequency of Activities
Onsite storm drain catch basins and piping	Property Owner	Onsite catch basins shall be inspected quarterly for debris buildup and evidence of illegal dumping and shall be cleaned whenever debris/sediment accumulates. Removal can be accomplished by vac-truck or other equally effective method.	Quarterly
Hydrodynamic Separator	Property Owner	Visual inspection and debris removed quarterly per manufactures recommendations	Quarterly
Above ground infiltration/detention basins	Property Owner	Inspections and maintenance by owners contracted maintenance staff to ensure that water infiltrates into the subsurface completely in 48 hours or less. Visual inspection, landscape maintenance, debris removal and erosion damage repair.	Monthly and within 48 hours following a significant storm event to verify there is no standing water.
Underground Infiltration System	Property Owner	Regular inspections of system to observe sediment build up and infiltration capacity. Cleaning of accumulated trash, debris, and sediment as determined by inspections. Cleaning is recommended during dry weather. See manufacturer recommendations for additional maintenance activities.	Monthly and within 48 hours following a significant storm event to verify there is no standing water in the chambers.

Landscape Maintenance	Property Owner	Maintain landscape area vegetation, slope protection and grades, adjacent to hardscape and prevent discharges of landscape maintenance waste into storm drains.	Weekly
Litter Control	Property Owner	Maintain roofed waste collection areas and vacuum-sweep drive aisles and parking areas to remove potential stormwater contamination before anticipated storm events.	Weekly/Monthly
Anti-Dumping Stenciling & Signage	Property Owner	Visual inspection and replacement of damaged or illegible stenciling and signage over on-site catch basins	Annually
Irrigation System	Property Owner	Check and repair the irrigation system. Verify there are no leaks or runoff from landscaped areas. Adjust irrigation heads and system run times as necessary to percent overwater of vegetation, overspray or run-off from landscape areas and to ensure the health and aesthetic quality of the landscape.	Weekly
Loading Docks	Property Owner	Sweep and clear debris from dock areas to remove potential stormwater contaminates prior to anticipated storms.	Weekly
Catch Basin Filter Inserts	Property Owner	Visual inspect filter for debris buildup. Removal can be accomplished by vac-truck or other equally effective method. See manufacturer recommendations for additional maintenance activities.	Quarterly and within 48 hours following a significant storm event

Section 6 WQMP Attachments

6.1. Site Plan and Drainage Plan

Section 6.1: Attachment A

- **Project Site Boundary**
- **Pre-Development Condition PWQMP Exhibit**
- **Post-Development Condition PWQMP Exhibit**
-

Section 6.1: Attachment B

- **BMP & LID Device Detail**
    - **Underground CMP Detention System**
    - **Hydrodynamic Separator**

6.2 Electronic Data Submittal

Section 6.2: CD (for Final Engineering)

6.3 Post Construction

Section 6.3:

- **O&M Plans**
- **Maintenance Agreements for BMP (for Final Engineering)**

6.4 Other Supporting Documentation

Section 6.4: Attachment A – Education Materials (for Final Engineering)
Section 6.4: Attachment B – Preliminary WQMP (for Final Engineering)
Section 6.4: Attachment B - Geotechnical Report (for Final Engineering)

6.5 Calculations

Section 6.5: Calculations

A

- **WAP Report**
- **Precipitation Data**
- **Hydrologic Soil Map**

B

- **10-Year Rational Method**

C

- **10-Year Unit Hydrograph Method**

D

- **10-Year Basin Analysis**

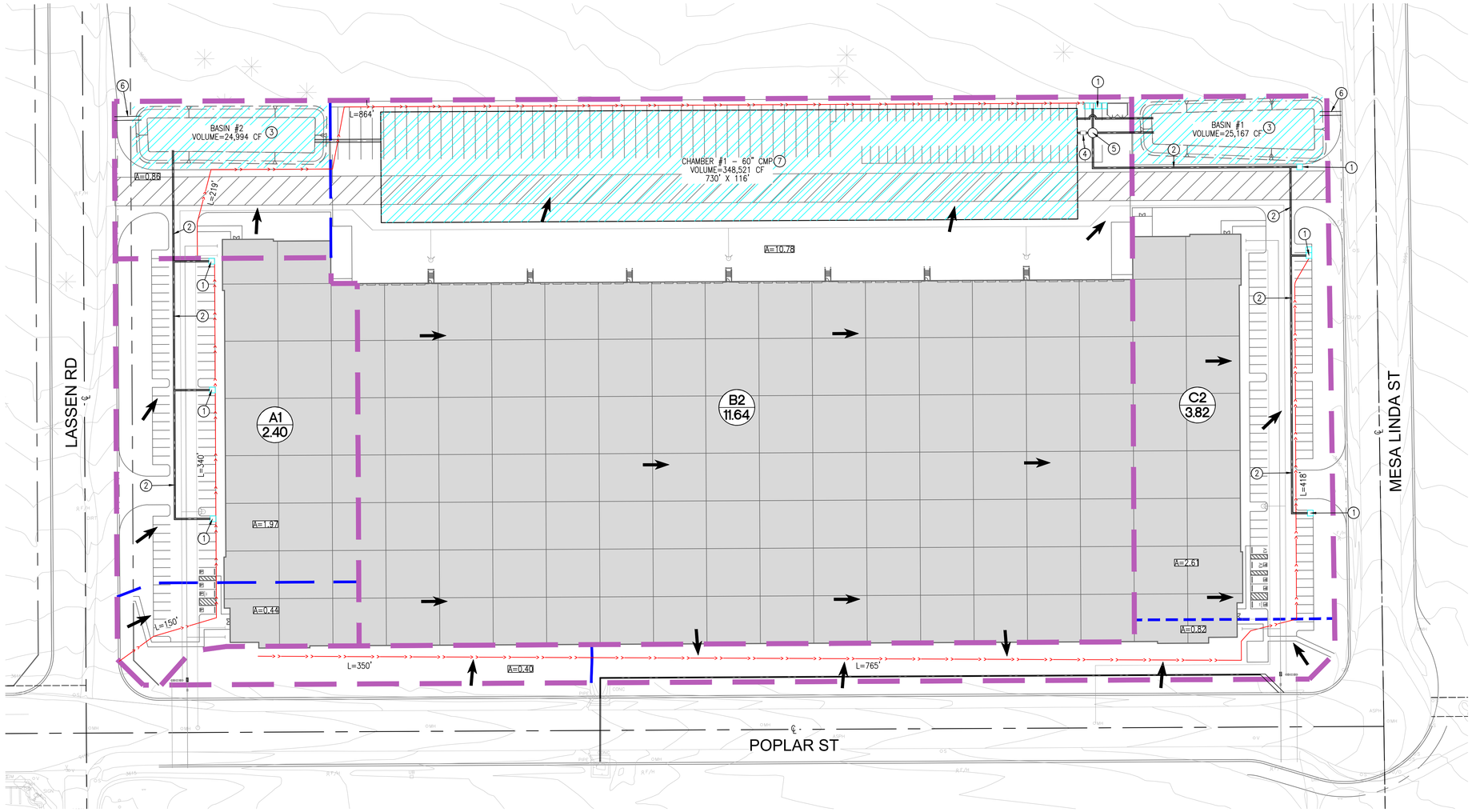
SECTION 6.1: ATTACHMENT A

Project Site Boundary
Pre-Development Condition PWQMP Exhibit
Post-Development Condition PWQMP Exhibit

CITY OF HESPERIA
WQMP EXHIBIT
FOR
POPLAR 18 INDUSTRIAL PARK



VICINITY MAP
NOT TO SCALE



HYDROLOGY INFORMATION

SITE AREA:	17.86 ACRE	
SOIL GROUP:	A	(NRCS WEB SOIL SURVEY)
IMPERVIOUS:	81%	
ISOHYETALS:	1.31"	(100-YEAR 1 HOUR)
	0.785"	(10-YEAR 1 HOUR)
CN NUMBER:	67	(SOIL GROUP A)
FREQUENCY:	100 YEAR	(FOR STORM DRAIN DESIGN)
	10 YEAR	(FOR STORMWATER QUALITY)

METHOD: SAN BERNARDINO COUNTY HYDROLOGY MANUAL

LEGEND:

- INFILTRATION BASIN
- SUB DRAINAGE AREA BOUNDARY
- DRAINAGE AREA BOUNDARY
- FLOW PATH
- STORM DRAIN
- PROPOSED FLOW DIRECTION ARROW
- X / X.XX — DRAINAGE AREA DESIGNATION / AREA (AC)

DRAINAGE NOTES:

1. PROPOSED CATCH BASIN WITH FILTER INSERT
2. PROPOSED STORM DRAIN PIPE PRIVATE MAINTAINED
3. PROPOSED BMP – ABOVE GROUND DETENTION BASIN
4. PROPOSED BMP – HYDRODYNAMIC SEPARATOR
5. DIVERSION STRUCTURE
6. EMERGENCY SPILLWAY
7. UNDERGROUND CMP STRUCTURE

HYDROLOGY SUMMARY

DRAINAGE AREA No.	TRIBUTARY AREA (AC)	IMPERVIOUS RATIO	RUNOFF COEFFICIENT	DCV (CF)	HYDROMODIFICATION VOLUME TO RETAIN (CF)	100-YEAR VOLUME (CF)	TOTAL RETENTION VOLUME (CF)
A	2.40	0.81	0.61	–	98,341	342,639	24,994 (BASIN 2)
B	11.64	0.81	0.61	–			25,167 (BASIN 1) 348,521 (UNDERGROUND CMP)
C	3.82	0.81	0.61	–			
TOTAL	17.86	0.81	0.61	44,076			398,681

60' 0' 30' 60' 120'
SCALE: 1" = 60'

PREPARED BY:
WestLAND Group, Inc. Land Surveyors • Civil Engineers • GIS
4150 CONCOURS, ONTARIO, CA 91764
PHONE: (909) 989-9789 FAX: (909) 989-9660
JOB NO: 2021-352

POPLAR 18 INDUSTRIAL PARK
WMQP EXHIBIT

CITY OF HESPERIA

DATE: SEP 2022
SHEET 1 OF 1

09/26/2022

SECTION 6.1: ATTACHMENT B

BMP & LID Device Detail

SECTION 6.1: ATTACHMENT B.1

Underground CMP Detention System

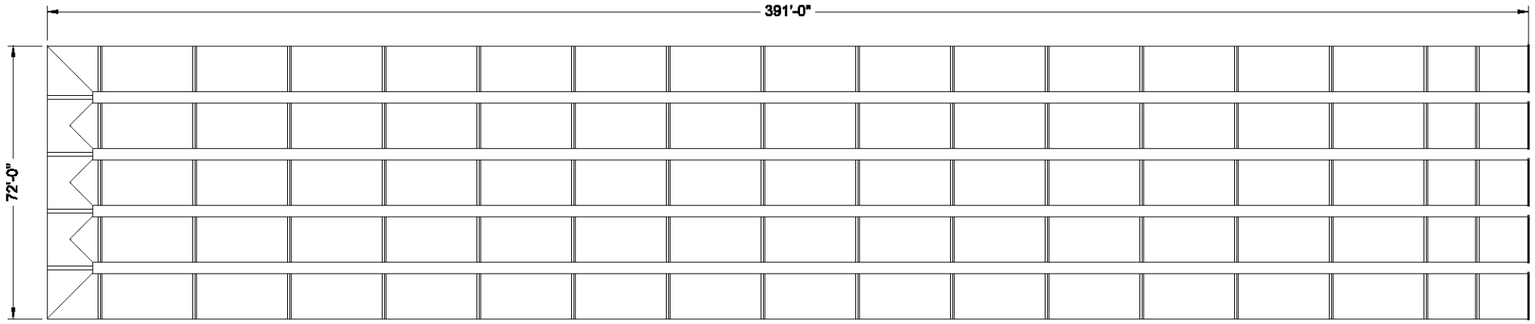
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20 & HS25
- APPROX. LINEAR FOOTAGE = 1,967 lf.

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 294,130 cf.
- PIPE STORAGE VOLUME = 222,462 cf.
- BACKFILL STORAGE VOLUME = 72,038 cf.
- TOTAL STORAGE PROVIDED = 294,501 cf.

PIPE DETAILS
- DIAMETER = 144 IN.
- CORRUGATION = 5x1
- GAGE = 14
- COATING = ALT2
- WALL TYPE = Perforated
- BARRELL SPACING = 36 IN.

BACKFILL DETAILS
- WIDTH AT ENDS = 36 IN.
- ABOVE PIPE = 6 IN.
- WIDTH AT SIDES = 36 IN.
- BELOW PIPE = 6 IN.



NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
- THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN, QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
- THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.

ASSEMBLY
SCALE: 1" = 40'

C:\EXPORTS\TEMPLATES\CMP_V5.DWG 10/18/2019 10:02 AM

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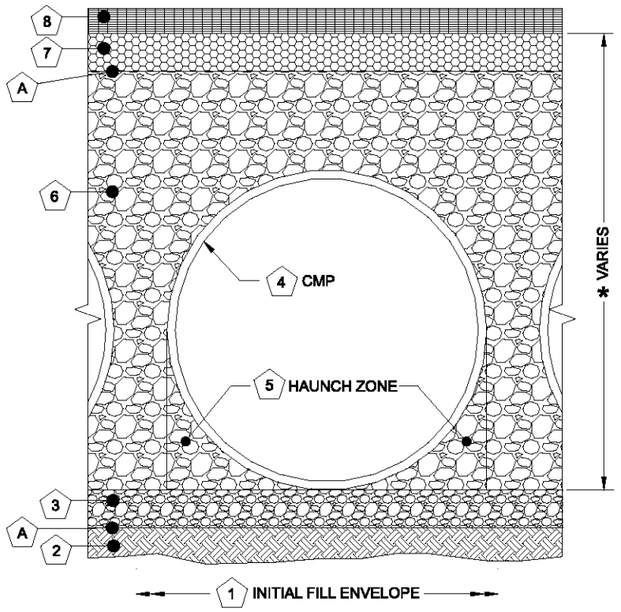
DATE	REVISION DESCRIPTION	BY

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

DYO13636 2021-325 Poplar St
2021-352 Poplar 144" CMP #1
Hesperia, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
8562	13536	2/18/2022
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: D1		



Infiltration Systems - CMP Infiltration & CMP Perforated Drainage Pipe			
Material Location	Description	Material Designation	Designation
8 Rigid or Flexible Pavement (If applicable)			
7 Road Base (If applicable			
A Geotextile Layer	Non-Woven Geotextile	CONTECH C-40 or C-45	Engineer Decision for consideration to prevent soil migration into varying soil types. Wrap the trench only.
6 Backfill	Infiltration pipe systems have a pipe perforation sized of 3/8" diameter. An open graded, free draining stone, with a particle size of ¼" – 2 ½" diameter is recommended.	AASHTO M 145-A-1 or AASHTO M 43 - 3, 4	Material shall be worked into the pipe haunches by means of shovel-slicing, rodding, air-tamper, vibratory rod, or other effective methods. Compaction of all placed fill material is necessary and shall be considered adequate when no further yielding of the material is observed under the compactor, or under foot, and the Project Engineer or his representative is satisfied with the level of compaction"
3 Bedding Stone	Well graded granular bedding material w/maximum particle size of 3"	AASHTO M43 - 3,357,4,467, 5, 56, 57	For soil aggregates larger than 3/8" a dedicated bedding layer is not required for CMP. Pipe may be placed on the trench bottom comprised of native suitable well graded & granular material. For Arch pipes it is recommended to be shaped to a relatively flat bottom or fine-grade the foundation to a slight v-shape. Soil aggregates less than 3/8" and unsuitable material should be over-excavated and re-placed with a 4"-6" layer of well graded & granular stone per the material designation.
A Geotextile Layer	None	None	Contech does not recommend geotextiles be placed under the invert of Infiltration systems due to the propensity for geotextiles to clog over time.
* Note: The listed AASHTO designations are for gradation only. The stone must also be angular and clean.			

1 MINIMUM WIDTH DEPENDS ON SITE CONDITIONS AND ENGINEERING JUDGEMENT.

FOUNDATION/BEDDING PREPARATION

2 PRIOR TO PLACING THE BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, THEY SHALL BE REMOVED AND BROUGHT BACK TO THE GRADE WITH A FILL MATERIAL AS APPROVED BY THE ENGINEER.

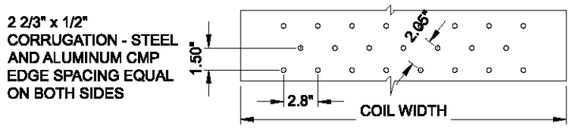
5 HAUNCH ZONE MATERIAL SHALL BE PLACED AND UNIFORMLY COMPACTED WITHOUT SOFT SPOTS.

BACKFILL

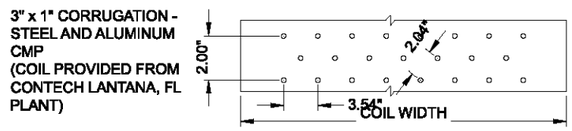
MATERIAL SHALL BE PLACED IN 8"-10" MAXIMUM LIFTS. INADEQUATE COMPACTION CAN LEAD TO EXCESSIVE DEFLECTIONS WITHIN THE SYSTEM AND SETTLEMENT OF THE SOILS OVER THE SYSTEM. BACKFILL SHALL BE PLACED SUCH THAT THERE IS NO MORE THAN A TWO-LIFT DIFFERENTIAL BETWEEN THE SIDES OF ANY PIPE IN THE SYSTEM AT ALL TIMES DURING THE BACKFILL PROCESS. BACKFILL SHALL BE ADVANCED ALONG THE LENGTH OF THE SYSTEM AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING ON ANY PIPES IN THE SYSTEM.

EQUIPMENT USED TO PLACE AND COMPACT THE BACKFILL SHALL BE OF A SIZE AND TYPE SO AS NOT TO DISTORT, DAMAGE, OR DISPLACE THE PIPE. ATTENTION MUST BE GIVEN TO PROVIDING ADEQUATE MINIMUM COVER FOR SUCH EQUIPMENT. MAINTAIN BALANCED LOADING ON ALL PIPES IN THE SYSTEM DURING ALL SUCH OPERATIONS.

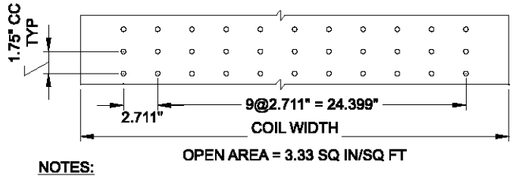
OTHER ALTERNATE BACKFILL MATERIAL MAY BE ALLOWED DEPENDING ON SITE SPECIFIC CONDITIONS. REFER TO TYPICAL BACKFILL DETAIL FOR MATERIAL REQUIRED.



OPEN AREA = 3.76 SQ IN/SQ FT



OPEN AREA = 4.16 SQ IN/SQ FT



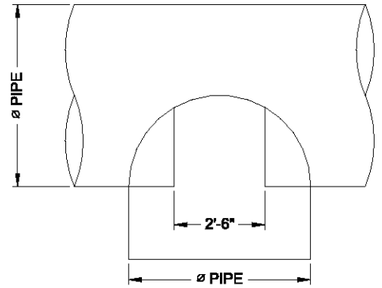
OPEN AREA = 3.33 SQ IN/SQ FT

NOTES:

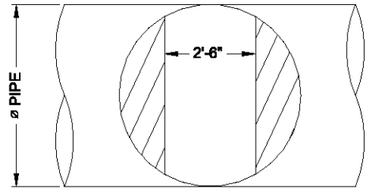
1. PERFORATIONS MEET AASHTO AND ASTM SPECIFICATIONS.
2. PERFORATION OPEN AREA PER SQUARE FOOT OF PIPE IS BASED ON THE NOMINAL DIAMETER AND LENGTH OF PIPE.
3. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
4. ALL HOLES ⌀3/8".

TYPICAL PERFORATION DETAIL

SCALE: N.T.S.



PLAN

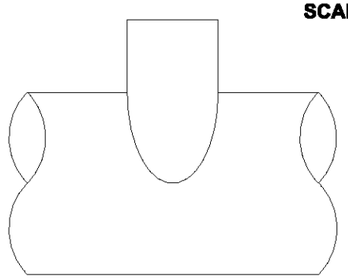


FRONT

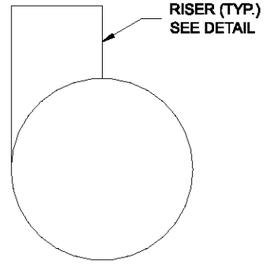
TYPICAL MANWAY DETAIL

SCALE: N.T.S.

NOTE:
MANWAY DETAIL APPLICABLE FOR CMP SYSTEMS WITH DIAMETERS 48" AND LARGER. MANWAYS MAY BE REQUIRED ON SMALLER SYSTEMS DEPENDING ON ACTUAL SITE SPECIFIC CONDITIONS.



ELEVATION

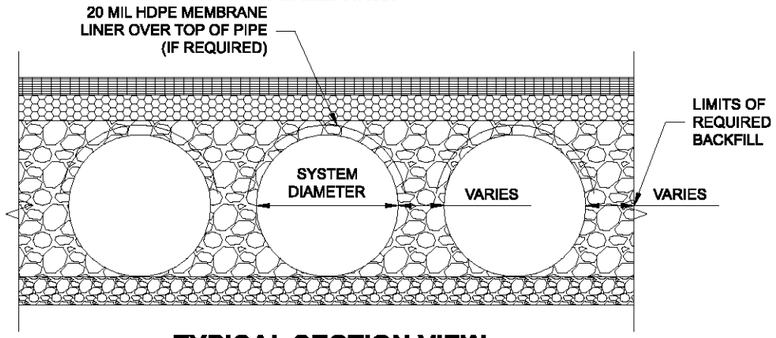


END

TYPICAL RISER DETAIL

SCALE: N.T.S.

NOTE:
LADDERS ARE OPTIONAL AND ARE NOT REQUIRED FOR ALL SYSTEMS.



TYPICAL SECTION VIEW

LINER OVER ROWS
SCALE: N.T.S.

NOTE: IF SALTING AGENTS FOR SNOW AND ICE REMOVAL ARE USED ON OR NEAR THE PROJECT, AN HDPE MEMBRANE LINER IS RECOMMENDED WITH THE SYSTEM. THE IMPERMEABLE LINER IS INTENDED TO HELP PROTECT THE SYSTEM FROM THE POTENTIAL ADVERSE EFFECTS THAT MAY RESULT FROM A CHANGE IN THE SURROUNDING ENVIRONMENT OVER A PERIOD OF TIME. PLEASE REFER TO THE CORRUGATED METAL PIPE DETENTION DESIGN GUIDE FOR ADDITIONAL INFORMATION.

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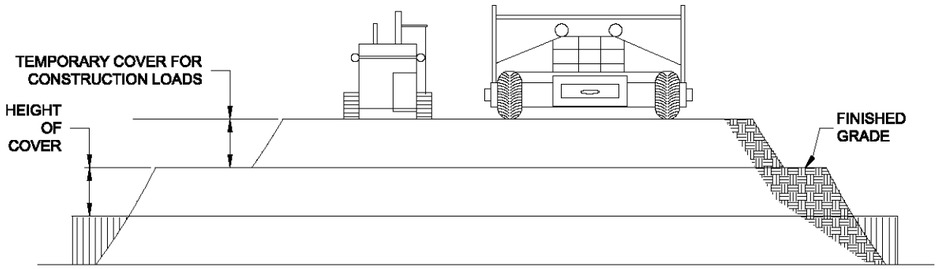
CONTECH CMP DETENTION SYSTEMS

CONTECH DYODS DRAWING

DYO13636 2021-325 Poplar St
2021-352 Poplar 144" CMP #1
Hesperia, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
8562	13536	2/16/2022
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: D2		

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CONSTRUCTION LOADS

FOR TEMPORARY CONSTRUCTION VEHICLE LOADS, AN EXTRA AMOUNT OF COMPACTED COVER MAY BE REQUIRED OVER THE TOP OF THE PIPE. THE HEIGHT-OF-COVER SHALL MEET THE MINIMUM REQUIREMENTS SHOWN IN THE TABLE BELOW. THE USE OF HEAVY CONSTRUCTION EQUIPMENT NECESSITATES GREATER PROTECTION FOR THE PIPE THAN FINISHED GRADE COVER MINIMUMS FOR NORMAL HIGHWAY TRAFFIC.

PIPE SPAN, INCHES	AXLE LOADS (kips)			
	18-50	50-75	75-110	110-150
	MINIMUM COVER (FT)			
12-42	2.0	2.5	3.0	3.0
48-72	3.0	3.0	3.5	4.0
78-120	3.0	3.5	4.0	4.0
126-144	3.5	4.0	4.5	4.5

*MINIMUM COVER MAY VARY, DEPENDING ON LOCAL CONDITIONS. THE CONTRACTOR MUST PROVIDE THE ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE PIPE. MINIMUM COVER IS MEASURED FROM THE TOP OF THE PIPE TO THE TOP OF THE MAINTAINED CONSTRUCTION ROADWAY SURFACE.

CONSTRUCTION LOADING DIAGRAM

SCALE: N.T.S.

SPECIFICATION FOR DESIGNED DETENTION SYSTEM:

SCOPE
THIS SPECIFICATION COVERS THE MANUFACTURE AND INSTALLATION OF THE DESIGNED DETENTION SYSTEM DETAILED IN THE PROJECT PLANS.

MATERIAL
THE MATERIAL SHALL CONFORM TO THE APPLICABLE REQUIREMENTS LISTED BELOW:

ALUMINIZED TYPE 2 STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-274 OR ASTM A-92.

THE GALVANIZED STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-218 OR ASTM A-929.

THE POLYMER COATED STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-246 OR ASTM A-742.

THE ALUMINUM COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-197 OR ASTM B-744.

CONSTRUCTION LOADS
CONSTRUCTION LOADS MAY BE HIGHER THAN FINAL LOADS. FOLLOW THE MANUFACTURER'S OR NCSPA GUIDELINES.

PIPE
THE PIPE SHALL BE MANUFACTURED IN ACCORDANCE TO THE APPLICABLE REQUIREMENTS LISTED BELOW:

ALUMINIZED TYPE 2: AASHTO M-36 OR ASTM A-760

GALVANIZED: AASHTO M-36 OR ASTM A-760

POLYMER COATED: AASHTO M-245 OR ASTM A-762

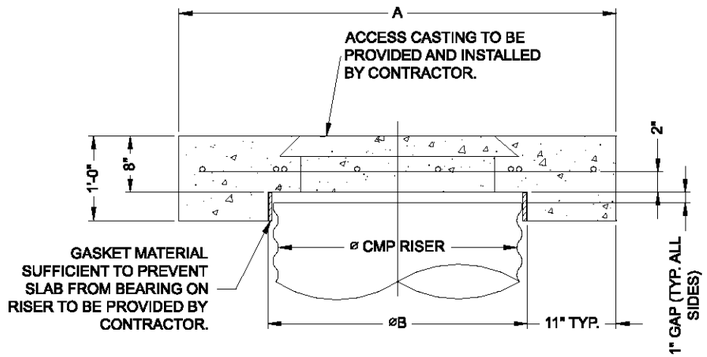
ALUMINUM: AASHTO M-196 OR ASTM B-745

HANDLING AND ASSEMBLY
SHALL BE IN ACCORDANCE WITH NCSP'S (NATIONAL CORRUGATED STEEL PIPE ASSOCIATION) FOR ALUMINIZED TYPE 2, GALVANIZED OR POLYMER COATED STEEL. SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR ALUMINUM PIPE.

INSTALLATION
SHALL BE IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SECTION 26, DIVISION II DIVISION II OR ASTM A-798 (FOR ALUMINIZED TYPE 2, GALVANIZED OR POLYMER COATED STEEL) OR ASTM B-788 (FOR ALUMINUM PIPE) AND IN CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. IF THERE ARE ANY INCONSISTENCIES OR CONFLICTS THE CONTRACTOR SHOULD DISCUSS AND RESOLVE WITH THE SITE ENGINEER.

IT IS ALWAYS THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.

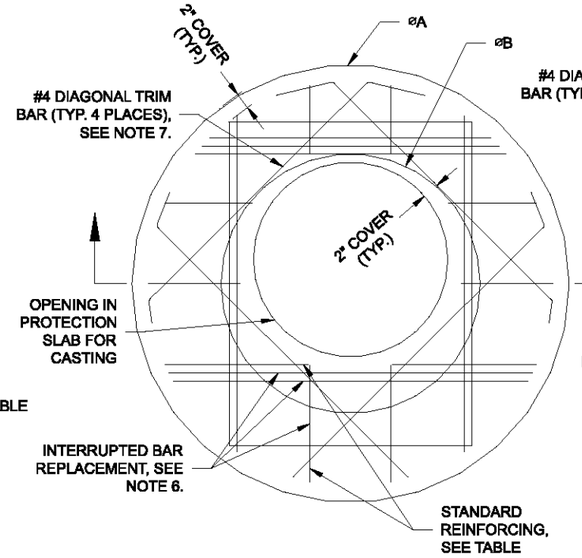
NOTE:
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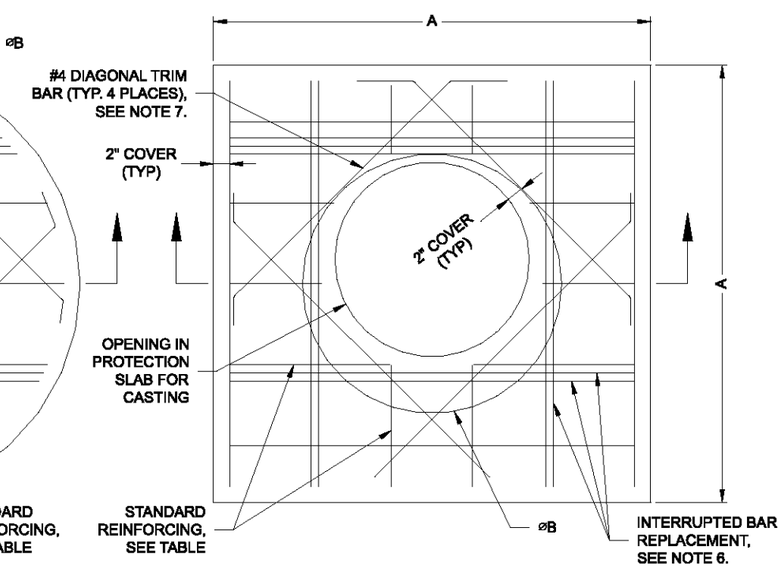
SECTION VIEW

REINFORCING TABLE				
ø CMP RISER	A	ø B	REINFORCING	**BEARING PRESSURE (PSF)
24"	ø 4' 4'X4'	26"	#5 @ 12" OCEW #5 @ 12" OCEW	2,410 1,780
30"	ø 4'-6" 4'-6" X 4'-6"	32"	#5 @ 12" OCEW #5 @ 12" OCEW	2,120 1,530
36"	ø 5' 5' X 5'	38"	#5 @ 10" OCEW #5 @ 10" OCEW	1,890 1,350
42"	ø 5'-6" 5'-6" X 5'-6"	44"	#5 @ 10" OCEW #5 @ 9" OCEW	1,720 1,210
48"	ø 6' 6' X 6'	50"	#5 @ 9" OCEW #5 @ 8" OCEW	1,600 1,100

** ASSUMED SOIL BEARING CAPACITY



ROUND OPTION PLAN VIEW



SQUARE OPTION PLAN VIEW

NOTES:

1. DESIGN IN ACCORDANCE WITH AASHTO, 17th EDITION.
2. DESIGN LOAD HS25.
3. EARTH COVER = 1' MAX.
4. CONCRETE STRENGTH = 3,500 psi
5. REINFORCING STEEL = ASTM A615, GRADE 60.
6. PROVIDE ADDITIONAL REINFORCING AROUND OPENINGS EQUAL TO THE BARS INTERRUPTED, HALF EACH SIDE. ADDITIONAL BARS TO BE IN THE SAME PLANE.
7. TRIM OPENING WITH DIAGONAL #4 BARS, EXTEND BARS A MINIMUM OF 12" BEYOND OPENING, BEND BARS AS REQUIRED TO MAINTAIN BAR COVER.
8. PROTECTION SLAB AND ALL MATERIALS TO BE PROVIDED AND INSTALLED BY CONTRACTOR.
9. DETAIL DESIGN BY DELTA ENGINEERING, BINGHAMTON, NY.

MANHOLE CAP DETAIL

SCALE: N.T.S.

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CONTECH CMP DETENTION SYSTEMS
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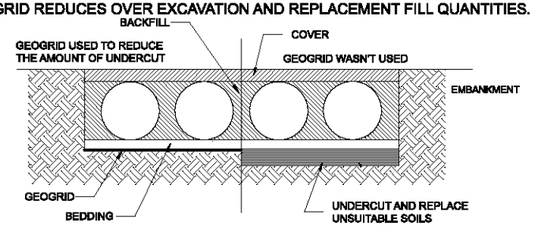
CMP DETENTION INSTALLATION GUIDE

PROPER INSTALLATION OF A FLEXIBLE UNDERGROUND DETENTION SYSTEM WILL ENSURE LONG-TERM PERFORMANCE. THE CONFIGURATION OF THESE SYSTEMS OFTEN REQUIRES SPECIAL CONSTRUCTION PRACTICES THAT DIFFER FROM CONVENTIONAL FLEXIBLE PIPE CONSTRUCTION. CONTECH ENGINEERED SOLUTIONS STRONGLY SUGGESTS SCHEDULING A PRE-CONSTRUCTION MEETING WITH YOUR LOCAL SALES ENGINEER TO DETERMINE IF ADDITIONAL MEASURES, NOT COVERED IN THIS GUIDE, ARE APPROPRIATE FOR YOUR SITE.

FOUNDATION

CONSTRUCT A FOUNDATION THAT CAN SUPPORT THE DESIGN LOADING APPLIED BY THE PIPE AND ADJACENT BACKFILL WEIGHT AS WELL AS MAINTAIN ITS INTEGRITY DURING CONSTRUCTION.

IF SOFT OR UNSUITABLE SOILS ARE ENCOUNTERED, REMOVE THE POOR SOILS DOWN TO A SUITABLE DEPTH AND THEN BUILD UP TO THE APPROPRIATE ELEVATION WITH A COMPETENT BACKFILL MATERIAL. THE STRUCTURAL FILL MATERIAL GRADATION SHOULD NOT ALLOW THE MIGRATION OF FINES, WHICH CAN CAUSE SETTLEMENT OF THE DETENTION SYSTEM OR PAVEMENT ABOVE. IF THE STRUCTURAL FILL MATERIAL IS NOT COMPATIBLE WITH THE UNDERLYING SOILS AN ENGINEERING FABRIC SHOULD BE USED AS A SEPARATOR. IN SOME CASES, USING A STIFF REINFORCING GEOGRID REDUCES OVER EXCAVATION AND REPLACEMENT FILL QUANTITIES.

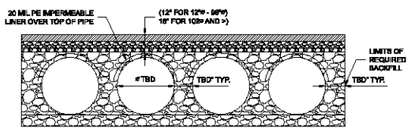


GRADE THE FOUNDATION SUBGRADE TO A UNIFORM OR SLIGHTLY SLOPING GRADE. IF THE SUBGRADE IS CLAY OR RELATIVELY NON-POROUS AND THE CONSTRUCTION SEQUENCE WILL LAST FOR AN EXTENDED PERIOD OF TIME, IT IS BEST TO SLOPE THE GRADE TO ONE END OF THE SYSTEM. THIS WILL ALLOW EXCESS WATER TO DRAIN QUICKLY, PREVENTING SATURATION OF THE SUBGRADE.

GEOMEMBRANE BARRIER

A SITE'S RESISTIVITY MAY CHANGE OVER TIME WHEN VARIOUS TYPES OF SALTING AGENTS ARE USED, SUCH AS ROAD SALTS FOR DEICING AGENTS. IF SALTING AGENTS ARE USED ON OR NEAR THE PROJECT SITE, A GEOMEMBRANE BARRIER IS RECOMMENDED WITH THE SYSTEM. THE GEOMEMBRANE LINER IS INTENDED TO HELP PROTECT THE SYSTEM FROM THE POTENTIAL ADVERSE EFFECTS THAT MAY RESULT FROM THE USE OF SUCH AGENTS INCLUDING PREMATURE CORROSION AND REDUCED ACTUAL SERVICE LIFE.

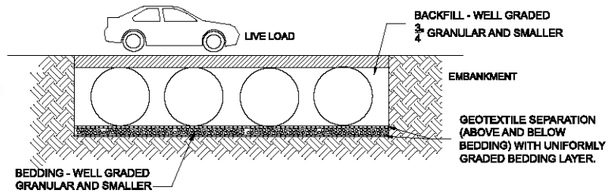
THE PROJECT'S ENGINEER OF RECORD IS TO EVALUATE WHETHER SALTING AGENTS WILL BE USED ON OR NEAR THE PROJECT SITE, AND USE HIS/HER BEST JUDGEMENT TO DETERMINE IF ANY ADDITIONAL PROTECTIVE MEASURES ARE REQUIRED. BELOW IS A TYPICAL DETAIL SHOWING THE PLACEMENT OF A GEOMEMBRANE BARRIER FOR PROJECTS WHERE SALTING AGENTS ARE USED ON OR NEAR THE PROJECT SITE.



IN-SITU TRENCH WALL

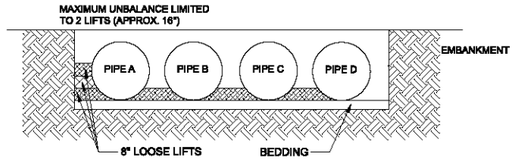
IF EXCAVATION IS REQUIRED, THE TRENCH WALL NEEDS TO BE CAPABLE OF SUPPORTING THE LOAD THAT THE PIPE SHEDS AS THE SYSTEM IS LOADED. IF SOILS ARE NOT CAPABLE OF SUPPORTING THESE LOADS, THE PIPE CAN DEFLECT. PERFORM A SIMPLE SOIL PRESSURE CHECK USING THE APPLIED LOADS TO DETERMINE THE LIMITS OF EXCAVATION BEYOND THE SPRING LINE OF THE OUTER MOST PIPES.

IN MOST CASES THE REQUIREMENTS FOR A SAFE WORK ENVIRONMENT AND PROPER BACKFILL PLACEMENT AND COMPACTION TAKE CARE OF THIS CONCERN.



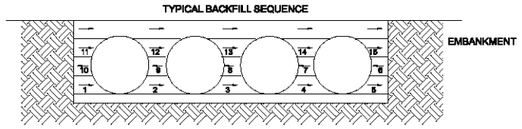
BACKFILL PLACEMENT

MATERIAL SHALL BE WORKED INTO THE PIPE HAUNCHES BY MEANS OF SHOVEL-SLICING, RODDING, AIR TAMPER, VIBRATORY ROD, OR OTHER EFFECTIVE METHODS.

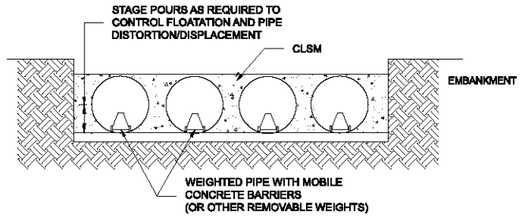


IF AASHTO T99 PROCEDURES ARE DETERMINED INFEASIBLE BY THE GEOTECHNICAL ENGINEER OF RECORD, COMPACTION IS CONSIDERED ADEQUATE WHEN NO FURTHER YIELDING OF THE MATERIAL IS OBSERVED UNDER THE COMPACTOR, OR UNDER FOOT, AND THE GEOTECHNICAL ENGINEER OF RECORD (OR REPRESENTATIVE THEREOF) IS SATISFIED WITH THE LEVEL OF COMPACTION.

FOR LARGE SYSTEMS, CONVEYOR SYSTEMS, BACKHOES WITH LONG REACHES OR DRAGLINES WITH STONE BUCKETS MAY BE USED TO PLACE BACKFILL. ONCE MINIMUM COVER FOR CONSTRUCTION LOADING ACROSS THE ENTIRE WIDTH OF THE SYSTEM IS REACHED, ADVANCE THE EQUIPMENT TO THE END OF THE RECENTLY PLACED FILL, AND BEGIN THE SEQUENCE AGAIN UNTIL THE SYSTEM IS COMPLETELY BACKFILLED. THIS TYPE OF CONSTRUCTION SEQUENCE PROVIDES ROOM FOR STOCKPILED BACKFILL DIRECTLY BEHIND THE BACKHOE, AS WELL AS THE MOVEMENT OF CONSTRUCTION TRAFFIC. MATERIAL STOCKPILES ON TOP OF THE BACKFILLED DETENTION SYSTEM SHOULD BE LIMITED TO 8- TO 10-FEET HIGH AND MUST PROVIDE BALANCED LOADING ACROSS ALL BARRELS. TO DETERMINE THE PROPER COVER OVER THE PIPES TO ALLOW THE MOVEMENT OF CONSTRUCTION EQUIPMENT SEE TABLE 1, OR CONTACT YOUR LOCAL CONTECH SALES ENGINEER.



WHEN FLOWABLE FILL IS USED, YOU MUST PREVENT PIPE FLOATATION. TYPICALLY, SMALL LIFTS ARE PLACED BETWEEN THE PIPES AND THEN ALLOWED TO SET-UP PRIOR TO THE PLACEMENT OF THE NEXT LIFT. THE ALLOWABLE THICKNESS OF THE CLSM LIFT IS A FUNCTION OF A PROPER BALANCE BETWEEN THE UPLIFT FORCE OF THE CLSM, THE OPPOSING WEIGHT OF THE PIPE, AND THE EFFECT OF OTHER RESTRAINING MEASURES. THE PIPE CAN CARRY LIMITED FLUID PRESSURE WITHOUT PIPE DISTORTION OR DISPLACEMENT, WHICH ALSO AFFECTS THE CLSM LIFT THICKNESS. YOUR LOCAL CONTECH SALES ENGINEER CAN HELP DETERMINE THE PROPER LIFT THICKNESS.

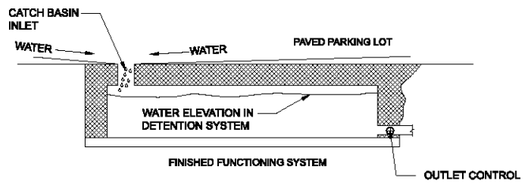


CONSTRUCTION LOADING

TYPICALLY, THE MINIMUM COVER SPECIFIED FOR A PROJECT ASSUMES H-20 LIVE LOAD. BECAUSE CONSTRUCTION LOADS OFTEN EXCEED DESIGN LIVE LOADS, INCREASED TEMPORARY MINIMUM COVER REQUIREMENTS ARE NECESSARY. SINCE CONSTRUCTION EQUIPMENT VARIES FROM JOB TO JOB, IT IS BEST TO ADDRESS EQUIPMENT SPECIFIC MINIMUM COVER REQUIREMENTS WITH YOUR LOCAL CONTECH SALES ENGINEER DURING YOUR PRE-CONSTRUCTION MEETING.

ADDITIONAL CONSIDERATIONS

BECAUSE MOST SYSTEMS ARE CONSTRUCTED BELOW-GRADE, RAINFALL CAN RAPIDLY FILL THE EXCAVATION; POTENTIALLY CAUSING FLOATATION AND MOVEMENT OF THE PREVIOUSLY PLACED PIPES. TO HELP MITIGATE POTENTIAL PROBLEMS, IT IS BEST TO START THE INSTALLATION AT THE DOWNSTREAM END WITH THE OUTLET ALREADY CONSTRUCTED TO ALLOW A ROUTE FOR THE WATER TO ESCAPE. TEMPORARY DIVERSION MEASURES MAY BE REQUIRED FOR HIGH FLOWS DUE TO THE RESTRICTED NATURE OF THE OUTLET PIPE.



CMP DETENTION SYSTEM INSPECTION AND MAINTENANCE

UNDERGROUND STORMWATER DETENTION AND INFILTRATION SYSTEMS MUST BE INSPECTED AND MAINTAINED AT REGULAR INTERVALS FOR PURPOSES OF PERFORMANCE AND LONGEVITY.

INSPECTION

INSPECTION IS THE KEY TO EFFECTIVE MAINTENANCE OF CMP DETENTION SYSTEMS AND IS EASILY PERFORMED. CONTECH RECOMMENDS ONGOING, ANNUAL INSPECTIONS. SITES WITH HIGH TRASH LOAD OR SMALL OUTLET CONTROL ORIFICES MAY NEED MORE FREQUENT INSPECTIONS. THE RATE AT WHICH THE SYSTEM COLLECTS POLLUTANTS WILL DEPEND MORE ON SITE SPECIFIC ACTIVITIES RATHER THAN THE SIZE OR CONFIGURATION OF THE SYSTEM.

INSPECTIONS SHOULD BE PERFORMED MORE OFTEN IN EQUIPMENT WASHDOWN AREAS, IN CLIMATES WHERE SANDING AND/OR SALTING OPERATIONS TAKE PLACE, AND IN OTHER VARIOUS INSTANCES IN WHICH ONE WOULD EXPECT HIGHER ACCUMULATIONS OF SEDIMENT OR ABRASIVE/ CORROSIVE CONDITIONS. A RECORD OF EACH INSPECTION IS TO BE MAINTAINED FOR THE LIFE OF THE SYSTEM

MAINTENANCE

CMP DETENTION SYSTEMS SHOULD BE CLEANED WHEN AN INSPECTION REVEALS ACCUMULATED SEDIMENT OR TRASH IS CLOGGING THE DISCHARGE ORIFICE.

ACCUMULATED SEDIMENT AND TRASH CAN TYPICALLY BE EVACUATED THROUGH THE MANHOLE OVER THE OUTLET ORIFICE. IF MAINTENANCE IS NOT PERFORMED AS RECOMMENDED, SEDIMENT AND TRASH MAY ACCUMULATE IN FRONT OF THE OUTLET ORIFICE. MANHOLE COVERS SHOULD BE SECURELY SEATED FOLLOWING CLEANING ACTIVITIES. CONTECH SUGGESTS THAT ALL SYSTEMS BE DESIGNED WITH AN ACCESS/INSPECTION MANHOLE SITUATED AT OR NEAR THE INLET AND THE OUTLET ORIFICE. SHOULD IT BE NECESSARY TO GET INSIDE THE SYSTEM TO PERFORM MAINTENANCE ACTIVITIES, ALL APPROPRIATE PRECAUTIONS REGARDING CONFINED SPACE ENTRY AND OSHA REGULATIONS SHOULD BE FOLLOWED.

ANNUAL INSPECTIONS ARE BEST PRACTICE FOR ALL UNDERGROUND SYSTEMS. DURING THIS INSPECTION, IF EVIDENCE OF SALTING/DE-ICING AGENTS IS OBSERVED WITHIN THE SYSTEM, IT IS BEST PRACTICE FOR THE SYSTEM TO BE RINSED, INCLUDING ABOVE THE SPRING LINE SOON AFTER THE SPRING THAW AS PART OF THE MAINTENANCE PROGRAM FOR THE SYSTEM.

MAINTAINING AN UNDERGROUND DETENTION OR INFILTRATION SYSTEM IS EASIEST WHEN THERE IS NO FLOW ENTERING THE SYSTEM. FOR THIS REASON, IT IS A GOOD IDEA TO SCHEDULE THE CLEANOUT DURING DRY WEATHER.

THE FOREGOING INSPECTION AND MAINTENANCE EFFORTS HELP ENSURE UNDERGROUND PIPE SYSTEMS USED FOR STORMWATER STORAGE CONTINUE TO FUNCTION AS INTENDED BY IDENTIFYING RECOMMENDED REGULAR INSPECTION AND MAINTENANCE PRACTICES. INSPECTION AND MAINTENANCE RELATED TO THE STRUCTURAL INTEGRITY OF THE PIPE OR THE SOUNDNESS OF PIPE JOINT CONNECTIONS IS BEYOND THE SCOPE OF THIS GUIDE.

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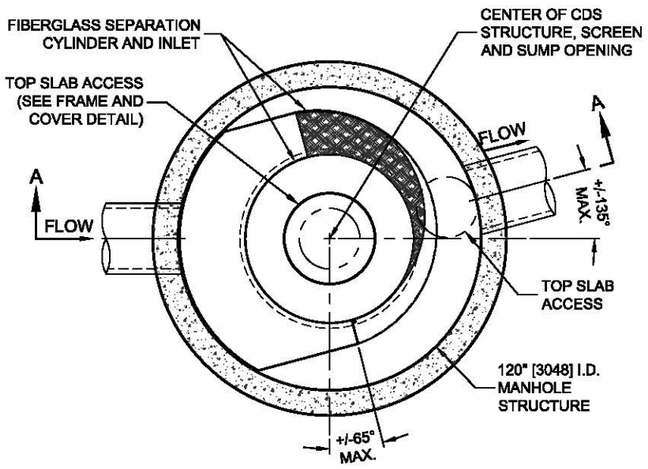
CONTECH CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

DYO13636 2021-325 Poplar St
2021-352 Poplar 144" CMP #1
Hesperia, CA
DETENTION SYSTEM

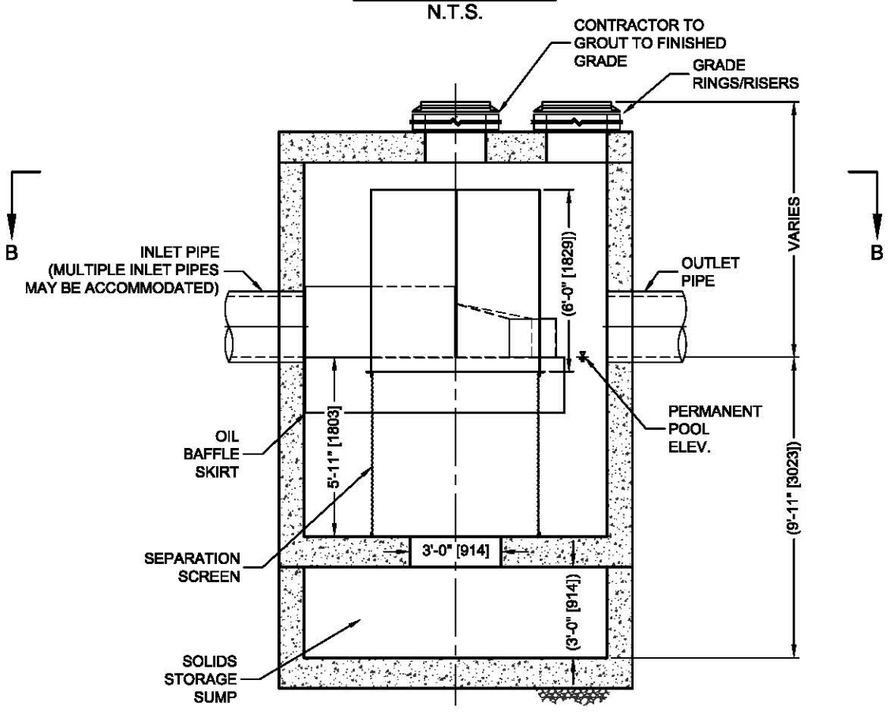
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DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: D4		

SECTION 6.1: ATTACHMENT B.2

Hydrodynamic Separator



PLAN VIEW B-B
N.T.S.



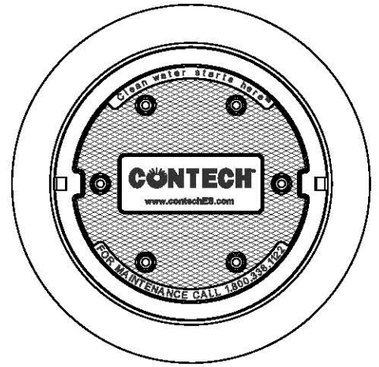
ELEVATION A-A
N.T.S.

THIS PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 6,766,909; 6,641,720; 6,811,696; 6,953,709. RELATED FOREIGN PATENTS, OR OTHER PATENTS PENDING.

CDS5653-10-C DESIGN NOTES

THE STANDARD CDS5653-10-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION
GRATED INLET ONLY (NO INLET PIPE)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPE)
CURB INLET WITH INLET PIPE OR PIPES
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)
SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS



FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	
WATER QUALITY FLOW RATE (CFS OR L/s)	*
PEAK FLOW RATE (CFS OR L/s)	*
RETURN PERIOD OF PEAK FLOW (YRS)	*
SCREEN APERTURE (2400 OR 4700)	*

PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	*	*	*
INLET PIPE 2	*	*	*
OUTLET PIPE	*	*	*

RIM ELEVATION	*

ANTI-FLOTATION BALLAST	WIDTH	HEIGHT
	*	*

NOTES/SPECIAL REQUIREMENTS:

* PER ENGINEER OF RECORD

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechEScom
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET HS20 (AASHTO M 306) AND BE CAST WITH THE CONTECH LOGO.
6. IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
C. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CONTECH® ENGINEERED SOLUTIONS LLC
www.contechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CDS5653-10-C
INLINE CDS
STANDARD DETAIL

C:\USERS\SCHLACHTERH\DESKTOP\CDS DETAILS 180 MICRON SIZING\ACAD\CDS5653-10-C-DTL.DWG 5/19/2014 5:38 PM

SECTION 6.2

CD
(Prepared in Final Engineering)

SECTION 6.3

O&M Plans
Maintenance Agreements for BMP
(Prepared in Final Engineering)

SECTION 6.4: ATTACHMENT A

Education Materials
(Prepared in Final Engineering)

SECTION 6.4: ATTACHMENT B

Preliminary WQMP
(Prepared in Final Engineering)

SECTION 6.4: ATTACHMENT C

Geotechnical Report
(Prepared in Final Engineering)

SECTION 6.5: Calculations

WAP Report
Precipitation Data
Hydrologic Soil Map
10-Year Rational Method
10-Year Unit Hydrograph Method
10-Year Basin Analysis

SECTION 6.5: Attachment A

WAP Report
Precipitation Data
Hydrologic Soil Map



WQMP Project Report

County of San Bernardino Stormwater Program

Santa Ana River Watershed Geodatabase

Friday, October 01, 2021

Note: The information provided in this report and on the Stormwater Geodatabase for the County of San Bernardino Stormwater Program is intended to provide basic guidance in the preparation of the applicant's Water Quality Management Plan (WQMP) and should not be relied upon without independent verification.

Project Site Parcel Number(s):	306462101, 306464134, 306458104, 306458103, 306458101, 306463101, 306459117, 306458102, 306460107, 306457113, 306458105, 306459113, 306459112
Project Site Acreage:	182.211
HCOC Exempt Area:	No
Closest Receiving Waters: (Applicant to verify based on local drainage facilities and topography.)	**System Number** - **Facility Name** - Oro Grande Wash **Owner** - SBCFCD
Closest channel segment's susceptibility to Hydromodification:	EHM
Highest downstream hydromodification susceptibility:	NULL
Is this drainage segment subject to TMDLs?	No
Are there downstream drainage segments subject to TMDLs?	No
Is this drainage segment a 303d listed stream?	No
Are there 303d listed streams downstream?	No
Are there unlined downstream waterbodies?	No
Project Site Onsite Soil Group(s):	B
Environmentally Sensitive Areas within 200':	DESERT TORTOISE HABITAT CAT 3
Groundwater Depth (FT):	No data available
Parcels with potential septic tanks within 1000':	Yes
Known Groundwater Contamination Plumes within 1000':	No
Studies and Reports Related to Project Site:	

NOAA Atlas 14, Volume 6, Version 2
Location name: Hesperia, California, USA*
Latitude: 34.4168°, Longitude: -117.3926°
Elevation: 3607.28 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.087 (0.072-0.106)	0.124 (0.102-0.151)	0.172 (0.142-0.211)	0.212 (0.173-0.262)	0.267 (0.211-0.341)	0.310 (0.240-0.404)	0.354 (0.267-0.473)	0.400 (0.294-0.550)	0.464 (0.327-0.665)	0.514 (0.350-0.762)
10-min	0.125 (0.103-0.152)	0.177 (0.147-0.217)	0.247 (0.203-0.302)	0.304 (0.248-0.375)	0.383 (0.303-0.489)	0.444 (0.344-0.579)	0.507 (0.383-0.678)	0.573 (0.421-0.788)	0.664 (0.468-0.953)	0.736 (0.501-1.09)
15-min	0.151 (0.125-0.184)	0.214 (0.177-0.262)	0.298 (0.246-0.366)	0.367 (0.300-0.454)	0.463 (0.366-0.591)	0.537 (0.416-0.700)	0.613 (0.463-0.820)	0.693 (0.509-0.953)	0.804 (0.566-1.15)	0.890 (0.606-1.32)
30-min	0.228 (0.189-0.278)	0.324 (0.268-0.396)	0.451 (0.371-0.552)	0.555 (0.454-0.686)	0.699 (0.553-0.893)	0.811 (0.628-1.06)	0.927 (0.700-1.24)	1.05 (0.769-1.44)	1.21 (0.855-1.74)	1.35 (0.915-2.00)
60-min	0.323 (0.267-0.394)	0.458 (0.379-0.560)	0.637 (0.525-0.781)	0.785 (0.642-0.970)	0.989 (0.782-1.26)	1.15 (0.888-1.50)	1.31 (0.990-1.75)	1.48 (1.09-2.04)	1.72 (1.21-2.46)	1.90 (1.30-2.82)
2-hr	0.473 (0.391-0.577)	0.641 (0.530-0.784)	0.869 (0.716-1.07)	1.06 (0.867-1.31)	1.33 (1.05-1.70)	1.54 (1.19-2.01)	1.76 (1.33-2.36)	2.00 (1.47-2.75)	2.33 (1.64-3.34)	2.59 (1.76-3.85)
3-hr	0.596 (0.494-0.728)	0.797 (0.659-0.974)	1.07 (0.882-1.31)	1.30 (1.06-1.61)	1.63 (1.29-2.08)	1.89 (1.46-2.46)	2.16 (1.63-2.89)	2.46 (1.81-3.38)	2.87 (2.02-4.12)	3.21 (2.19-4.77)
6-hr	0.849 (0.702-1.04)	1.12 (0.929-1.37)	1.50 (1.24-1.84)	1.82 (1.49-2.25)	2.28 (1.81-2.92)	2.66 (2.06-3.47)	3.05 (2.31-4.08)	3.48 (2.56-4.79)	4.10 (2.89-5.87)	4.60 (3.13-6.83)
12-hr	1.11 (0.918-1.35)	1.51 (1.24-1.84)	2.05 (1.69-2.51)	2.51 (2.05-3.10)	3.17 (2.51-4.06)	3.71 (2.87-4.84)	4.28 (3.23-5.72)	4.90 (3.60-6.73)	5.78 (4.07-8.29)	6.51 (4.43-9.66)
24-hr	1.50 (1.33-1.73)	2.11 (1.87-2.43)	2.93 (2.59-3.39)	3.63 (3.18-4.24)	4.64 (3.93-5.58)	5.45 (4.52-6.70)	6.31 (5.11-7.94)	7.23 (5.70-9.37)	8.56 (6.47-11.6)	9.65 (7.05-13.5)
2-day	1.73 (1.54-2.00)	2.43 (2.15-2.80)	3.40 (3.00-3.93)	4.23 (3.70-4.93)	5.43 (4.60-6.54)	6.41 (5.32-7.88)	7.46 (6.04-9.40)	8.61 (6.78-11.1)	10.3 (7.76-13.9)	11.6 (8.50-16.3)
3-day	1.86 (1.65-2.14)	2.61 (2.31-3.00)	3.65 (3.22-4.21)	4.55 (3.98-5.30)	5.86 (4.96-7.05)	6.94 (5.76-8.53)	8.10 (6.56-10.2)	9.37 (7.38-12.1)	11.2 (8.49-15.2)	12.8 (9.33-17.8)
4-day	2.00 (1.78-2.31)	2.81 (2.49-3.24)	3.93 (3.47-4.54)	4.91 (4.30-5.72)	6.33 (5.36-7.62)	7.50 (6.22-9.22)	8.76 (7.10-11.0)	10.1 (7.99-13.1)	12.2 (9.20-16.4)	13.9 (10.1-19.4)
7-day	2.25 (1.99-2.59)	3.13 (2.77-3.61)	4.36 (3.85-5.04)	5.42 (4.75-6.32)	6.97 (5.90-8.39)	8.24 (6.84-10.1)	9.62 (7.79-12.1)	11.1 (8.76-14.4)	13.3 (10.1-18.0)	15.1 (11.1-21.2)
10-day	2.40 (2.13-2.77)	3.34 (2.95-3.85)	4.63 (4.09-5.35)	5.75 (5.04-6.70)	7.37 (6.25-8.88)	8.71 (7.23-10.7)	10.1 (8.22-12.8)	11.7 (9.24-15.2)	14.0 (10.6-18.9)	15.9 (11.6-22.2)
20-day	2.89 (2.56-3.32)	3.99 (3.53-4.60)	5.52 (4.87-6.38)	6.84 (5.99-7.97)	8.74 (7.41-10.5)	10.3 (8.56-12.7)	12.0 (9.72-15.1)	13.8 (10.9-17.9)	16.5 (12.5-22.3)	18.8 (13.7-26.3)
30-day	3.40 (3.02-3.92)	4.68 (4.14-5.40)	6.45 (5.69-7.45)	7.96 (6.98-9.28)	10.2 (8.61-12.2)	12.0 (9.93-14.7)	13.9 (11.3-17.5)	16.1 (12.7-20.8)	19.2 (14.5-25.9)	21.8 (15.9-30.5)
45-day	4.06 (3.60-4.67)	5.51 (4.88-6.35)	7.51 (6.63-8.68)	9.24 (8.09-10.8)	11.7 (9.95-14.1)	13.8 (11.4-17.0)	16.0 (13.0-20.2)	18.5 (14.6-23.9)	22.1 (16.7-29.8)	25.1 (18.4-35.1)
60-day	4.63 (4.11-5.33)	6.19 (5.48-7.14)	8.34 (7.37-9.64)	10.2 (8.93-11.9)	12.9 (10.9-15.5)	15.1 (12.5-18.6)	17.5 (14.2-22.0)	20.2 (15.9-26.1)	24.1 (18.2-32.6)	27.5 (20.1-38.4)

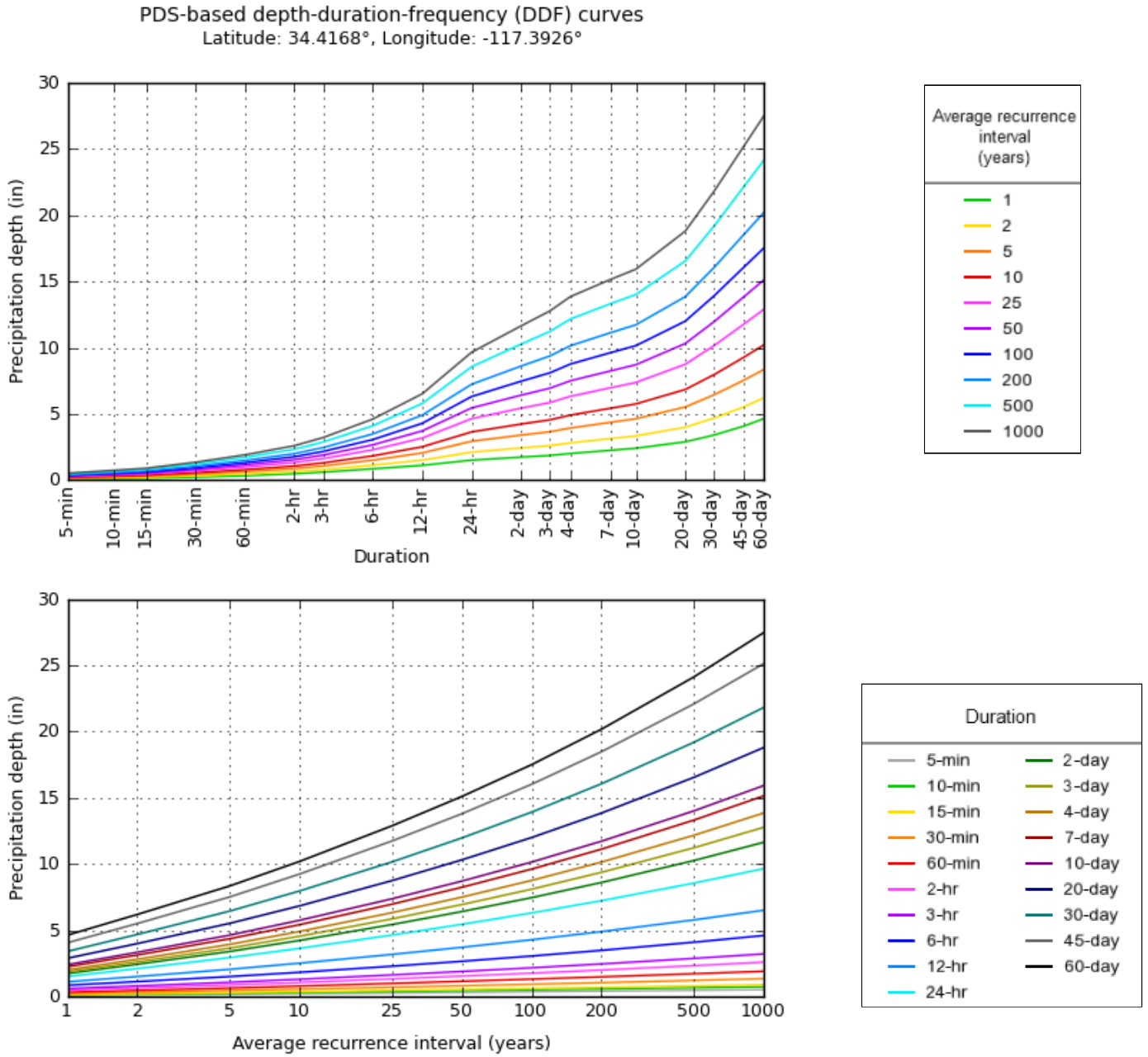
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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PF graphical



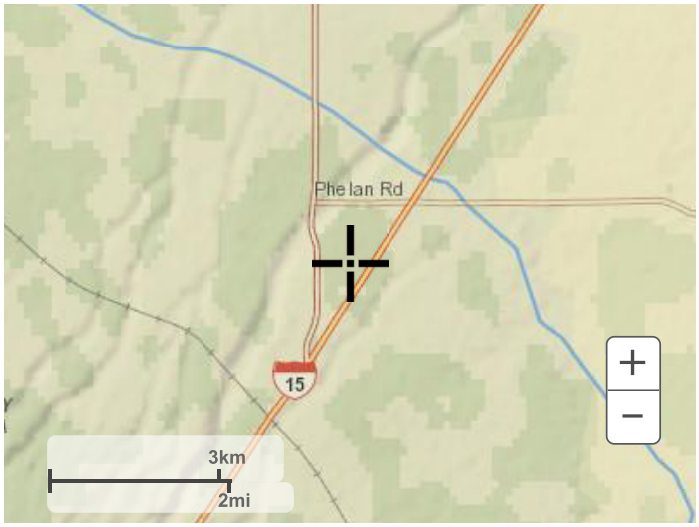
NOAA Atlas 14, Volume 6, Version 2

Created (GMT): Wed Sep 22 19:25:31 2021

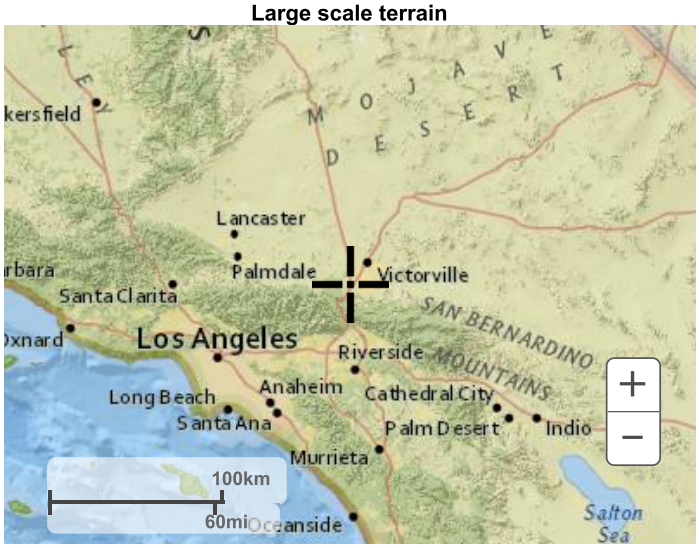
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Maps & aerials

Small scale terrain



Large scale terrain



Large scale map



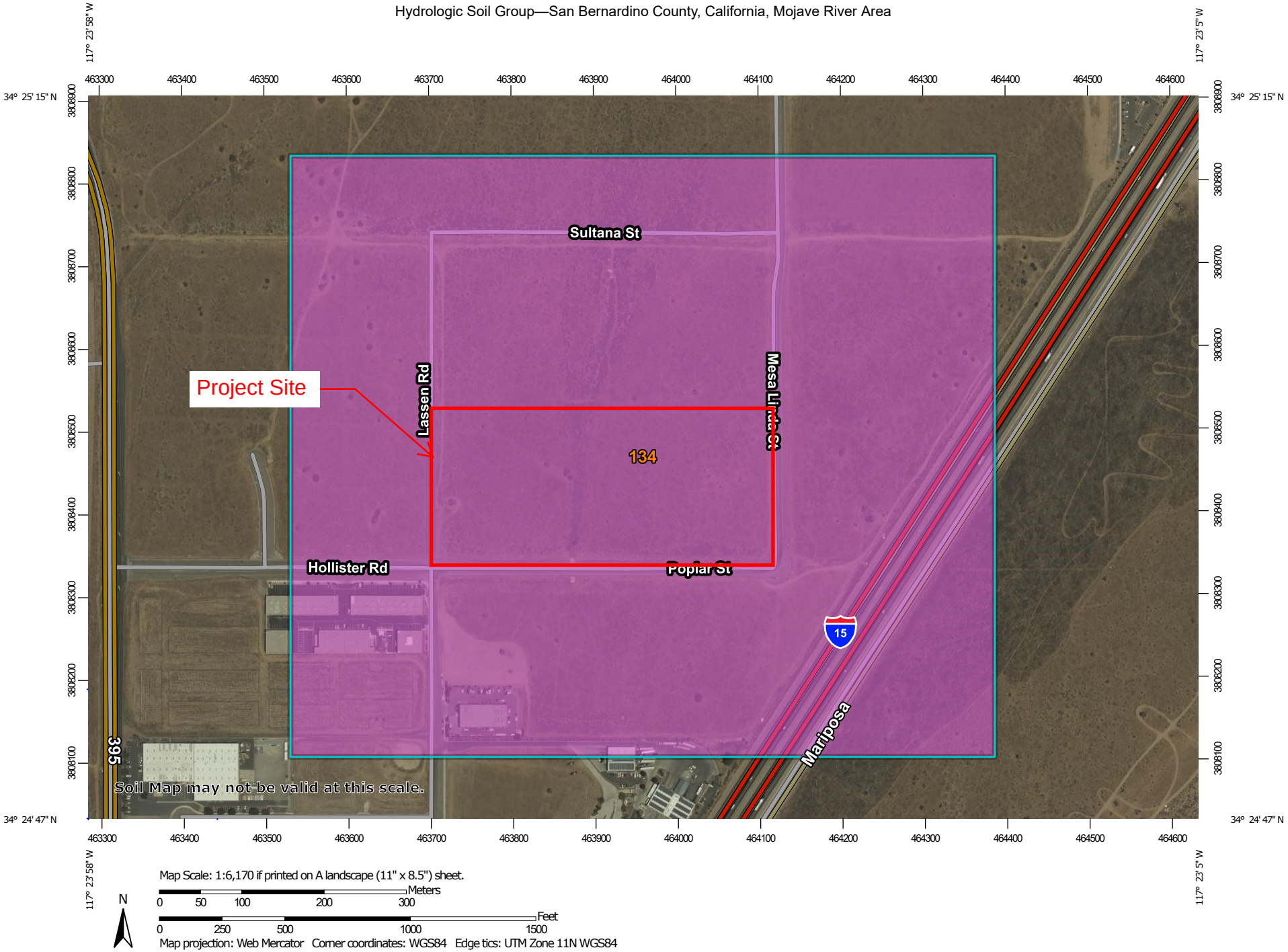
Large scale aerial



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US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer



Map Scale: 1:6,170 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 50 100 200 300

Feet: 0 250 500 1000 1500

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Bernardino County, California, Mojave River Area
Survey Area Data: Version 13, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 26, 2019—Jul 8, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
134	HESPERIA LOAMY FINE SAND, 2 TO 5 PERCENT SLOPES	A	154.3	100.0%
Totals for Area of Interest			**154.3**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

SECTION 6.5: Attachment B.1

10-Year Rational Method Pre-Development Conditions

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2005 Version 7.1
Rational Hydrology Study Date: 10/01/21

I15 INDUSTRIAL PARK BLDG 3
PREDEVELOPED 10 YR
MGUBBAREINER 2021-09-27
-

Program License Serial Number 6277

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 10.0
Computed rainfall intensity:
Storm year = 10.00 1 hour rainfall = 0.785 (In.)
Slope used for rainfall intensity curve b = 0.7000
Soil antecedent moisture condition (AMC) = 2

++
Process from Point/Station 1.100 to Point/Station 1.200
**** INITIAL AREA EVALUATION ****

Soil classification AP and SCS values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2) = 67.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.578(In/Hr)
Initial subarea data:
Initial area flow distance = 341.380(Ft.)
Top (of initial area) elevation = 3615.000(Ft.)
Bottom (of initial area) elevation = 3608.040(Ft.)
Difference in elevation = 6.960(Ft.)
Slope = 0.02039 s(%)= 2.04
TC = k(0.779)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 17.499 min.
Rainfall intensity = 1.860(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.620
Subarea runoff = 0.819(CFS)
Total initial stream area = 0.710(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.578(In/Hr)

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.200 to Point/Station        1.300
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
______________________________________________________________________
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.573(Ft.), Average velocity =   3.241(Ft/s)
!!Warning: Water is above left or right bank elevations
        ******* Irregular Channel Data ***********
----------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              0.50
        2              2.50              0.00
        3              5.00              0.50
Manning's 'N' friction factor =   0.030
----------------------------------------------------------------
Sub-Channel flow  =      5.235(CFS)
  '     '        flow top width =      5.000(Ft.)
  '     '    velocity=    3.241(Ft/s)
  '     '        area =      1.615(Sq.Ft)
  '     '        Froude number =     1.005

Upstream point elevation =  3608.040(Ft.)
Downstream point elevation =  3598.000(Ft.)
Flow length =   506.390(Ft.)
Travel time  =    2.60 min.
Time of concentration =   20.10 min.
Depth of flow =   0.573(Ft.)
Average velocity =   3.241(Ft/s)
Total irregular channel flow =     5.235(CFS)
Irregular channel normal depth above invert elev. =   0.573(Ft.)
Average velocity of channel(s) =   3.241(Ft/s)
!!Warning: Water is above left or right bank elevations
 Adding area flow to channel
Soil classification AP and SCS  values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2)  = 67.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.578(In/Hr)
Rainfall intensity =      1.688(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.592
Subarea runoff =      8.776(CFS) for    8.900(Ac.)
Total runoff =      9.595(CFS)
Effective area this stream =        9.61(Ac.)
Total Study Area (Main Stream No. 1) =        9.61(Ac.)
Area averaged Fm value =    0.578(In/Hr)
Depth of flow =   0.715(Ft.), Average velocity =   4.130(Ft/s)
!!Warning: Water is above left or right bank elevations
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.100 to Point/Station        2.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Soil classification AP and SCS  values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2)  = 67.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.578(In/Hr)
Initial subarea data:
Initial area flow distance =   199.840(Ft.)
Top (of initial area) elevation =  3607.300(Ft.)
Bottom (of initial area) elevation =  3603.240(Ft.)
Difference in elevation =     4.060(Ft.)
Slope =    0.02032  s(%)=       2.03
TC = k(0.779)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   14.135 min.
Rainfall intensity =      2.160(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.659
Subarea runoff =      2.519(CFS)
Total initial stream area =        1.770(Ac.)
Pervious area fraction = 1.000
Initial area Fm value =    0.578(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.200 to Point/Station        2.300
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
________________________________________________________________________
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.623(Ft.), Average velocity =   3.448(Ft/s)
!!Warning: Water is above left or right bank elevations
        ******* Irregular Channel Data ***********
------------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              0.50
        2              2.50              0.00
        3              5.00              0.50
Manning's 'N' friction factor =   0.030
------------------------------------------------------------------
Sub-Channel flow  =      6.428(CFS)
  '     '        flow top width =      5.000(Ft.)
  '     '    velocity=    3.448(Ft/s)
  '     '        area =      1.864(Sq.Ft)
  '     '        Froude number =     0.995

Upstream point elevation =  3603.240(Ft.)
Downstream point elevation =  3595.260(Ft.)
```

```
Flow length =   430.480(Ft.)
Travel time  =    2.08 min.
Time of concentration =   16.22 min.
Depth of flow =   0.623(Ft.)
Average velocity =   3.448(Ft/s)
Total irregular channel flow =     6.428(CFS)
Irregular channel normal depth above invert elev. =   0.623(Ft.)
Average velocity of channel(s) =   3.448(Ft/s)
!!Warning: Water is above left or right bank elevations
 Adding area flow to channel
Soil classification AP and SCS  values input by user
USER INPUT of soil data for subarea
SCS curve number for soil(AMC 2)  = 67.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.578(In/Hr)
Rainfall intensity =      1.962(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.635
Subarea runoff =      7.765(CFS) for    6.490(Ac.)
Total runoff =     10.284(CFS)
Effective area this stream =        8.26(Ac.)
Total Study Area (Main Stream No. 1) =       17.87(Ac.)
Area averaged Fm value =    0.578(In/Hr)
Depth of flow =   0.744(Ft.), Average velocity =   4.161(Ft/s)
!!Warning: Water is above left or right bank elevations
End of computations, Total Study Area =           17.87 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number =  67.0
```

SECTION 6.5: Attachment B.2

10-Year Rational Method Post-Development Conditions

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2005 Version 7.1
Rational Hydrology Study Date: 09/27/21

I15 INDUSTRIAL PARK BLDG 3
POSTDEVELOPED 10 YR
MGUBBAREINER 2021-09-27
-

Program License Serial Number 6277

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 10.0
Computed rainfall intensity:
Storm year = 10.00 1 hour rainfall = 0.785 (In.)
Slope used for rainfall intensity curve b = 0.7000
Soil antecedent moisture condition (AMC) = 2



++
Process from Point/Station 1.100 to Point/Station 1.200
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2) = 32.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.098(In/Hr)
Initial subarea data:
Initial area flow distance = 150.000(Ft.)
Top (of initial area) elevation = 3614.400(Ft.)
Bottom (of initial area) elevation = 3607.070(Ft.)
Difference in elevation = 7.330(Ft.)
Slope = 0.04887 s(%)= 4.89
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 4.126 min.
Rainfall intensity = 5.114(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.883

```
Subarea runoff =      1.986(CFS)
Total initial stream area =        0.440(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.098(In/Hr)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.200 to Point/Station        1.300
**** IMPROVED CHANNEL TRAVEL TIME ****
______________________________________________________________________
Upstream point elevation =  3607.070(Ft.)
Downstream point elevation =  3604.700(Ft.)
Channel length thru subarea  =   339.930(Ft.)
Channel base width      =    3.000(Ft.)
Slope or 'Z' of left channel bank =   1.000
Slope or 'Z' of right channel bank =   1.000
Estimated mean flow rate at midpoint of channel =      5.504(CFS)
Manning's 'N'    = 0.013
Maximum depth of channel  =    1.500(Ft.)
Flow(q) thru subarea =      5.504(CFS)
Depth of flow =   0.373(Ft.), Average velocity =   4.374(Ft/s)
Channel flow top width =    3.746(Ft.)
Flow Velocity =    4.37(Ft/s)
Travel time  =    1.30 min.
Time of concentration =    5.42 min.
Critical depth =      0.445(Ft.)
 Adding area flow to channel
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.098(In/Hr)
Rainfall intensity =      4.224(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.879
Subarea runoff =      6.964(CFS) for    1.970(Ac.)
Total runoff =      8.950(CFS)
Effective area this stream =        2.41(Ac.)
Total Study Area (Main Stream No. 1) =        2.41(Ac.)
Area averaged Fm value =    0.098(In/Hr)
Depth of flow =   0.498(Ft.), Average velocity =   5.139(Ft/s)
Critical depth =      0.609(Ft.)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.300 to Point/Station        1.400
```

```
**** PIPEFLOW TRAVEL TIME (User specified size) ****
_____________________________________________________________________
Upstream point/station elevation =  3604.700(Ft.)
Downstream point/station elevation =  3595.170(Ft.)
Pipe length  =   114.65(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     8.950(CFS)
Given pipe size =      1.50(In.)
NOTE: Normal flow is pressure flow in user selected pipe size.
The approximate hydraulic grade line above the pipe invert is
486347.902(Ft.)  at the headworks or inlet of the pipe(s)
 Pipe friction loss = 473969.207(Ft.)
 Minor friction loss =  12388.225(Ft.)  K-factor =   1.50
Pipe flow velocity =    729.29(Ft/s)
Travel time through pipe =    0.00 min.
Time of concentration (TC) =     5.42 min.
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.100 to Point/Station        2.200
**** INITIAL AREA EVALUATION ****
_____________________________________________________________________
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.098(In/Hr)
Initial subarea data:
Initial area flow distance =   219.190(Ft.)
Top (of initial area) elevation =  3604.730(Ft.)
Bottom (of initial area) elevation =  3600.990(Ft.)
Difference in elevation =     3.740(Ft.)
Slope =    0.01706  s(%)=       1.71
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    5.926 min.
Rainfall intensity =      3.968(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.878
Subarea runoff =      2.996(CFS)
Total initial stream area =        0.860(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.098(In/Hr)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.200 to Point/Station        2.300
**** IMPROVED CHANNEL TRAVEL TIME ****
_____________________________________________________________________
```

```
Upstream point elevation =  3600.990(Ft.)
Downstream point elevation =  3595.400(Ft.)
Channel length thru subarea  =   863.780(Ft.)
Channel base width      =    3.000(Ft.)
Slope or 'Z' of left channel bank =   1.000
Slope or 'Z' of right channel bank =   1.000
Estimated mean flow rate at midpoint of channel =     17.516(CFS)
Manning's 'N'    = 0.013
Maximum depth of channel  =    1.500(Ft.)
Flow(q) thru subarea =     17.516(CFS)
Depth of flow =   0.754(Ft.), Average velocity =   6.185(Ft/s)
Channel flow top width =    4.509(Ft.)
Flow Velocity =    6.19(Ft/s)
Travel time  =    2.33 min.
Time of concentration =    8.25 min.
Critical depth =      0.914(Ft.)
 Adding area flow to channel
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.098(In/Hr)
Rainfall intensity =      3.147(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.872
Subarea runoff =     28.949(CFS) for   10.780(Ac.)
Total runoff =     31.945(CFS)
Effective area this stream =       11.64(Ac.)
Total Study Area (Main Stream No. 1) =       14.05(Ac.)
Area averaged Fm value =    0.098(In/Hr)
Depth of flow =   1.064(Ft.), Average velocity =   7.385(Ft/s)
Critical depth =      1.313(Ft.)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.300 to Point/Station        2.400
**** PIPEFLOW TRAVEL TIME (User specified size) ****
________________________________________________________________________
Upstream point/station elevation =  3595.400(Ft.)
Downstream point/station elevation =  3587.000(Ft.)
Pipe length  =    62.61(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    31.945(CFS)
Given pipe size =      1.50(In.)
NOTE: Normal flow is pressure flow in user selected pipe size.
The approximate hydraulic grade line above the pipe invert is
3455420.510(Ft.)  at the headworks or inlet of the pipe(s)
 Pipe friction loss = 3297599.744(Ft.)
```

```
 Minor friction loss = 157829.166(Ft.)  K-factor =   1.50
Pipe flow velocity =   2603.10(Ft/s)
Travel time through pipe =    0.00 min.
Time of concentration (TC) =     8.25 min.
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.100 to Point/Station        3.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.098(In/Hr)
Initial subarea data:
Initial area flow distance =   350.000(Ft.)
Top (of initial area) elevation =  3607.030(Ft.)
Bottom (of initial area) elevation =  3603.500(Ft.)
Difference in elevation =     3.530(Ft.)
Slope =    0.01009  s(%)=       1.01
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.939 min.
Rainfall intensity =      3.234(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.873
Subarea runoff =      1.129(CFS)
Total initial stream area =        0.400(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.098(In/Hr)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.200 to Point/Station        3.300
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
________________________________________________________________________
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.532(Ft.), Average velocity =   1.410(Ft/s)
        ******* Irregular Channel Data ***********
------------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              3.00
        2             15.00              0.00
        3             40.00              8.50
Manning's 'N' friction factor =   0.025
------------------------------------------------------------------
```

```
Sub-Channel flow  =      1.582(CFS)
  '     '        flow top width =      4.222(Ft.)
  '     '    velocity=    1.410(Ft/s)
  '     '        area =      1.122(Sq.Ft)
  '     '        Froude number =     0.482

Upstream point elevation =  3603.500(Ft.)
Downstream point elevation =  3600.870(Ft.)
Flow length =   764.880(Ft.)
Travel time  =    9.04 min.
Time of concentration =   16.98 min.
Depth of flow =   0.532(Ft.)
Average velocity =   1.410(Ft/s)
Total irregular channel flow =     1.582(CFS)
Irregular channel normal depth above invert elev. =   0.532(Ft.)
Average velocity of channel(s) =   1.410(Ft/s)
 Adding area flow to channel
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.098(In/Hr)
Rainfall intensity =      1.899(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.854
Subarea runoff =      0.849(CFS) for    0.820(Ac.)
Total runoff =      1.978(CFS)
Effective area this stream =        1.22(Ac.)
Total Study Area (Main Stream No. 1) =       15.27(Ac.)
Area averaged Fm value =    0.098(In/Hr)
Depth of flow =   0.578(Ft.), Average velocity =   1.491(Ft/s)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.300 to Point/Station        3.400
**** IMPROVED CHANNEL TRAVEL TIME ****
________________________________________________________________________
Upstream point elevation =  3600.870(Ft.)
Downstream point elevation =  3594.720(Ft.)
Channel length thru subarea  =   418.150(Ft.)
Channel base width      =    3.000(Ft.)
Slope or 'Z' of left channel bank =   1.000
Slope or 'Z' of right channel bank =   1.000
Estimated mean flow rate at midpoint of channel =      3.962(CFS)
Manning's 'N'    = 0.013
Maximum depth of channel  =    1.500(Ft.)
Flow(q) thru subarea =      3.962(CFS)
```

```
Depth of flow =   0.245(Ft.), Average velocity =   4.981(Ft/s)
Channel flow top width =    3.490(Ft.)
Flow Velocity =    4.98(Ft/s)
Travel time  =    1.40 min.
Time of concentration =   18.38 min.
Critical depth =      0.363(Ft.)
 Adding area flow to channel
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.098(In/Hr)
Rainfall intensity =      1.797(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.851
Subarea runoff =      3.879(CFS) for    2.610(Ac.)
Total runoff =      5.857(CFS)
Effective area this stream =        3.83(Ac.)
Total Study Area (Main Stream No. 1) =       17.88(Ac.)
Area averaged Fm value =    0.098(In/Hr)
Depth of flow =   0.310(Ft.), Average velocity =   5.712(Ft/s)
Critical depth =      0.465(Ft.)
```



```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.400 to Point/Station        3.500
**** PIPEFLOW TRAVEL TIME (User specified size) ****
________________________________________________________________________
Upstream point/station elevation =  3594.720(Ft.)
Downstream point/station elevation =  3587.000(Ft.)
Pipe length  =    75.93(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     5.857(CFS)
Given pipe size =      1.50(In.)
NOTE: Normal flow is pressure flow in user selected pipe size.
The approximate hydraulic grade line above the pipe invert is
139729.709(Ft.)  at the headworks or inlet of the pipe(s)
 Pipe friction loss = 134431.979(Ft.)
 Minor friction loss =   5305.450(Ft.)  K-factor =   1.50
Pipe flow velocity =    477.26(Ft/s)
Travel time through pipe =    0.00 min.
Time of concentration (TC) =    18.38 min.
End of computations, Total Study Area =           17.88 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.
```

Area averaged pervious area fraction(Ap) = 0.100
Area averaged SCS curve number = 32.0

SECTION 6.5: Attachment C.1

10-Year Unit Hydrograph Pre-Development Conditions

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2004, Version 7.0

Study date 10/01/21

++

San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
PREDEVELOPED 10 YR UNIT HYDROGRAPH SUBAREA A
MGUBBAREINER 2021-09-27
--

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
9.61	1	0.79
Rainfall data for year 10		
9.61	6	1.82
Rainfall data for year 10		
9.61	24	3.63

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	67.0	9.61	1.000	0.578	1.000	0.578

Area-averaged adjusted loss rate Fm (In/Hr) = 0.578

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
9.61	1.000	67.0	67.0	4.93	0.255

Area-averaged catchment yield fraction, Y = 0.255
Area-averaged low loss fraction, Yb = 0.745
User entry of time of concentration = 0.335 (hours)
++
Watershed area = 9.61(Ac.)
Catchment Lag time = 0.268 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 31.0945
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.578(In/Hr)
Average low loss rate fraction (Yb) = 0.745 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.372(In)
Computed peak 30-minute rainfall = 0.638(In)
Specified peak 1-hour rainfall = 0.785(In)
Computed peak 3-hour rainfall = 1.315(In)
Specified peak 6-hour rainfall = 1.820(In)
Specified peak 24-hour rainfall = 3.630(In)

Rainfall depth area reduction factors:
Using a total area of 9.61(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.372(In)
30-minute factor = 1.000 Adjusted rainfall = 0.637(In)
1-hour factor = 1.000 Adjusted rainfall = 0.785(In)
3-hour factor = 1.000 Adjusted rainfall = 1.315(In)
6-hour factor = 1.000 Adjusted rainfall = 1.820(In)
24-hour factor = 1.000 Adjusted rainfall = 3.630(In)

U n i t H y d r o g r a p h
++
Interval 'S' Graph Unit Hydrograph

Number	Mean values	((CFS))
	(K = 116.22 (CFS))	
1	1.861	2.163
2	10.156	9.641
3	33.083	26.646
4	54.196	24.538
5	65.695	13.364
6	73.121	8.630
7	78.475	6.222
8	82.466	4.639
9	85.667	3.720
10	88.293	3.053
11	90.271	2.298
12	91.956	1.958
13	93.399	1.677
14	94.572	1.364
15	95.595	1.188
16	96.431	0.972
17	97.134	0.817
18	97.683	0.637
19	98.052	0.430
20	98.379	0.379
21	98.749	0.430
22	99.122	0.434
23	99.474	0.409
24	99.692	0.253
25	99.886	0.226
26	100.000	0.132

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3723	0.3723
2	0.4584	0.0861
3	0.5177	0.0593
4	0.5643	0.0467
5	0.6034	0.0391
6	0.6373	0.0339
7	0.6675	0.0302
8	0.6948	0.0273
9	0.7198	0.0250
10	0.7429	0.0231
11	0.7644	0.0215
12	0.7846	0.0202
13	0.8147	0.0301
14	0.8436	0.0289
15	0.8713	0.0278
16	0.8982	0.0268
17	0.9241	0.0259

18	0.9492	0.0251
19	0.9737	0.0244
20	0.9974	0.0237
21	1.0205	0.0231
22	1.0431	0.0225
23	1.0651	0.0220
24	1.0866	0.0215
25	1.1076	0.0210
26	1.1282	0.0206
27	1.1484	0.0202
28	1.1682	0.0198
29	1.1876	0.0194
30	1.2066	0.0191
31	1.2254	0.0187
32	1.2438	0.0184
33	1.2619	0.0181
34	1.2797	0.0178
35	1.2972	0.0175
36	1.3145	0.0173
37	1.3315	0.0170
38	1.3483	0.0168
39	1.3648	0.0165
40	1.3812	0.0163
41	1.3973	0.0161
42	1.4132	0.0159
43	1.4288	0.0157
44	1.4443	0.0155
45	1.4597	0.0153
46	1.4748	0.0151
47	1.4898	0.0150
48	1.5046	0.0148
49	1.5192	0.0146
50	1.5337	0.0145
51	1.5480	0.0143
52	1.5622	0.0142
53	1.5762	0.0140
54	1.5901	0.0139
55	1.6038	0.0138
56	1.6174	0.0136
57	1.6309	0.0135
58	1.6443	0.0134
59	1.6576	0.0132
60	1.6707	0.0131
61	1.6837	0.0130
62	1.6966	0.0129
63	1.7094	0.0128
64	1.7221	0.0127
65	1.7346	0.0126
66	1.7471	0.0125
67	1.7595	0.0124

68	1.7718	0.0123
69	1.7840	0.0122
70	1.7960	0.0121
71	1.8080	0.0120
72	1.8199	0.0119
73	1.8325	0.0125
74	1.8449	0.0125
75	1.8573	0.0124
76	1.8696	0.0123
77	1.8818	0.0122
78	1.8940	0.0121
79	1.9060	0.0121
80	1.9180	0.0120
81	1.9299	0.0119
82	1.9417	0.0118
83	1.9535	0.0118
84	1.9652	0.0117
85	1.9768	0.0116
86	1.9883	0.0115
87	1.9998	0.0115
88	2.0112	0.0114
89	2.0226	0.0114
90	2.0339	0.0113
91	2.0451	0.0112
92	2.0563	0.0112
93	2.0674	0.0111
94	2.0784	0.0110
95	2.0894	0.0110
96	2.1003	0.0109
97	2.1112	0.0109
98	2.1220	0.0108
99	2.1327	0.0108
100	2.1434	0.0107
101	2.1541	0.0106
102	2.1647	0.0106
103	2.1752	0.0105
104	2.1857	0.0105
105	2.1962	0.0104
106	2.2066	0.0104
107	2.2169	0.0103
108	2.2272	0.0103
109	2.2374	0.0102
110	2.2476	0.0102
111	2.2578	0.0102
112	2.2679	0.0101
113	2.2780	0.0101
114	2.2880	0.0100
115	2.2979	0.0100
116	2.3079	0.0099
117	2.3178	0.0099

118	2.3276	0.0098
119	2.3374	0.0098
120	2.3472	0.0098
121	2.3569	0.0097
122	2.3666	0.0097
123	2.3762	0.0096
124	2.3858	0.0096
125	2.3954	0.0096
126	2.4049	0.0095
127	2.4144	0.0095
128	2.4238	0.0094
129	2.4333	0.0094
130	2.4426	0.0094
131	2.4520	0.0093
132	2.4613	0.0093
133	2.4705	0.0093
134	2.4798	0.0092
135	2.4890	0.0092
136	2.4981	0.0092
137	2.5073	0.0091
138	2.5164	0.0091
139	2.5254	0.0091
140	2.5345	0.0090
141	2.5435	0.0090
142	2.5524	0.0090
143	2.5614	0.0089
144	2.5703	0.0089
145	2.5792	0.0089
146	2.5880	0.0088
147	2.5968	0.0088
148	2.6056	0.0088
149	2.6143	0.0088
150	2.6231	0.0087
151	2.6318	0.0087
152	2.6404	0.0087
153	2.6491	0.0086
154	2.6577	0.0086
155	2.6663	0.0086
156	2.6748	0.0086
157	2.6833	0.0085
158	2.6918	0.0085
159	2.7003	0.0085
160	2.7087	0.0084
161	2.7172	0.0084
162	2.7256	0.0084
163	2.7339	0.0084
164	2.7423	0.0083
165	2.7506	0.0083
166	2.7589	0.0083
167	2.7671	0.0083

168	2.7754	0.0082
169	2.7836	0.0082
170	2.7918	0.0082
171	2.7999	0.0082
172	2.8081	0.0081
173	2.8162	0.0081
174	2.8243	0.0081
175	2.8324	0.0081
176	2.8404	0.0080
177	2.8484	0.0080
178	2.8565	0.0080
179	2.8644	0.0080
180	2.8724	0.0080
181	2.8803	0.0079
182	2.8882	0.0079
183	2.8961	0.0079
184	2.9040	0.0079
185	2.9119	0.0078
186	2.9197	0.0078
187	2.9275	0.0078
188	2.9353	0.0078
189	2.9430	0.0078
190	2.9508	0.0077
191	2.9585	0.0077
192	2.9662	0.0077
193	2.9739	0.0077
194	2.9816	0.0077
195	2.9892	0.0076
196	2.9968	0.0076
197	3.0044	0.0076
198	3.0120	0.0076
199	3.0196	0.0076
200	3.0271	0.0075
201	3.0347	0.0075
202	3.0422	0.0075
203	3.0497	0.0075
204	3.0571	0.0075
205	3.0646	0.0075
206	3.0720	0.0074
207	3.0794	0.0074
208	3.0868	0.0074
209	3.0942	0.0074
210	3.1016	0.0074
211	3.1089	0.0073
212	3.1163	0.0073
213	3.1236	0.0073
214	3.1309	0.0073
215	3.1382	0.0073
216	3.1454	0.0073
217	3.1527	0.0072

218	3.1599	0.0072
219	3.1671	0.0072
220	3.1743	0.0072
221	3.1815	0.0072
222	3.1886	0.0072
223	3.1958	0.0071
224	3.2029	0.0071
225	3.2100	0.0071
226	3.2171	0.0071
227	3.2242	0.0071
228	3.2313	0.0071
229	3.2383	0.0071
230	3.2454	0.0070
231	3.2524	0.0070
232	3.2594	0.0070
233	3.2664	0.0070
234	3.2733	0.0070
235	3.2803	0.0070
236	3.2872	0.0069
237	3.2942	0.0069
238	3.3011	0.0069
239	3.3080	0.0069
240	3.3149	0.0069
241	3.3217	0.0069
242	3.3286	0.0069
243	3.3354	0.0068
244	3.3423	0.0068
245	3.3491	0.0068
246	3.3559	0.0068
247	3.3627	0.0068
248	3.3695	0.0068
249	3.3762	0.0068
250	3.3830	0.0067
251	3.3897	0.0067
252	3.3964	0.0067
253	3.4031	0.0067
254	3.4098	0.0067
255	3.4165	0.0067
256	3.4232	0.0067
257	3.4298	0.0067
258	3.4364	0.0066
259	3.4431	0.0066
260	3.4497	0.0066
261	3.4563	0.0066
262	3.4629	0.0066
263	3.4695	0.0066
264	3.4760	0.0066
265	3.4826	0.0066
266	3.4891	0.0065
267	3.4956	0.0065

268	3.5021	0.0065
269	3.5086	0.0065
270	3.5151	0.0065
271	3.5216	0.0065
272	3.5281	0.0065
273	3.5345	0.0065
274	3.5410	0.0064
275	3.5474	0.0064
276	3.5538	0.0064
277	3.5602	0.0064
278	3.5666	0.0064
279	3.5730	0.0064
280	3.5794	0.0064
281	3.5857	0.0064
282	3.5921	0.0063
283	3.5984	0.0063
284	3.6048	0.0063
285	3.6111	0.0063
286	3.6174	0.0063
287	3.6237	0.0063
288	3.6300	0.0063

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0063	0.0047	0.0016
2	0.0063	0.0047	0.0016
3	0.0063	0.0047	0.0016
4	0.0063	0.0047	0.0016
5	0.0063	0.0047	0.0016
6	0.0064	0.0047	0.0016
7	0.0064	0.0048	0.0016
8	0.0064	0.0048	0.0016
9	0.0064	0.0048	0.0016
10	0.0064	0.0048	0.0016
11	0.0065	0.0048	0.0016
12	0.0065	0.0048	0.0016
13	0.0065	0.0048	0.0017
14	0.0065	0.0048	0.0017
15	0.0065	0.0049	0.0017
16	0.0065	0.0049	0.0017
17	0.0066	0.0049	0.0017
18	0.0066	0.0049	0.0017
19	0.0066	0.0049	0.0017
20	0.0066	0.0049	0.0017
21	0.0066	0.0049	0.0017
22	0.0067	0.0050	0.0017
23	0.0067	0.0050	0.0017
24	0.0067	0.0050	0.0017

25	0.0067	0.0050	0.0017
26	0.0067	0.0050	0.0017
27	0.0068	0.0050	0.0017
28	0.0068	0.0050	0.0017
29	0.0068	0.0051	0.0017
30	0.0068	0.0051	0.0017
31	0.0068	0.0051	0.0017
32	0.0069	0.0051	0.0017
33	0.0069	0.0051	0.0018
34	0.0069	0.0051	0.0018
35	0.0069	0.0052	0.0018
36	0.0069	0.0052	0.0018
37	0.0070	0.0052	0.0018
38	0.0070	0.0052	0.0018
39	0.0070	0.0052	0.0018
40	0.0070	0.0052	0.0018
41	0.0071	0.0053	0.0018
42	0.0071	0.0053	0.0018
43	0.0071	0.0053	0.0018
44	0.0071	0.0053	0.0018
45	0.0072	0.0053	0.0018
46	0.0072	0.0054	0.0018
47	0.0072	0.0054	0.0018
48	0.0072	0.0054	0.0018
49	0.0073	0.0054	0.0018
50	0.0073	0.0054	0.0019
51	0.0073	0.0055	0.0019
52	0.0073	0.0055	0.0019
53	0.0074	0.0055	0.0019
54	0.0074	0.0055	0.0019
55	0.0074	0.0055	0.0019
56	0.0074	0.0055	0.0019
57	0.0075	0.0056	0.0019
58	0.0075	0.0056	0.0019
59	0.0075	0.0056	0.0019
60	0.0075	0.0056	0.0019
61	0.0076	0.0057	0.0019
62	0.0076	0.0057	0.0019
63	0.0076	0.0057	0.0019
64	0.0077	0.0057	0.0020
65	0.0077	0.0057	0.0020
66	0.0077	0.0058	0.0020
67	0.0078	0.0058	0.0020
68	0.0078	0.0058	0.0020
69	0.0078	0.0058	0.0020
70	0.0078	0.0059	0.0020
71	0.0079	0.0059	0.0020
72	0.0079	0.0059	0.0020
73	0.0080	0.0059	0.0020
74	0.0080	0.0059	0.0020

75	0.0080	0.0060	0.0020
76	0.0080	0.0060	0.0020
77	0.0081	0.0060	0.0021
78	0.0081	0.0061	0.0021
79	0.0082	0.0061	0.0021
80	0.0082	0.0061	0.0021
81	0.0082	0.0061	0.0021
82	0.0083	0.0062	0.0021
83	0.0083	0.0062	0.0021
84	0.0083	0.0062	0.0021
85	0.0084	0.0063	0.0021
86	0.0084	0.0063	0.0021
87	0.0085	0.0063	0.0022
88	0.0085	0.0063	0.0022
89	0.0086	0.0064	0.0022
90	0.0086	0.0064	0.0022
91	0.0086	0.0064	0.0022
92	0.0087	0.0065	0.0022
93	0.0087	0.0065	0.0022
94	0.0088	0.0065	0.0022
95	0.0088	0.0066	0.0022
96	0.0088	0.0066	0.0023
97	0.0089	0.0066	0.0023
98	0.0089	0.0067	0.0023
99	0.0090	0.0067	0.0023
100	0.0090	0.0067	0.0023
101	0.0091	0.0068	0.0023
102	0.0091	0.0068	0.0023
103	0.0092	0.0069	0.0023
104	0.0092	0.0069	0.0024
105	0.0093	0.0069	0.0024
106	0.0093	0.0070	0.0024
107	0.0094	0.0070	0.0024
108	0.0094	0.0070	0.0024
109	0.0095	0.0071	0.0024
110	0.0096	0.0071	0.0024
111	0.0096	0.0072	0.0025
112	0.0097	0.0072	0.0025
113	0.0098	0.0073	0.0025
114	0.0098	0.0073	0.0025
115	0.0099	0.0074	0.0025
116	0.0099	0.0074	0.0025
117	0.0100	0.0075	0.0026
118	0.0101	0.0075	0.0026
119	0.0102	0.0076	0.0026
120	0.0102	0.0076	0.0026
121	0.0103	0.0077	0.0026
122	0.0103	0.0077	0.0026
123	0.0104	0.0078	0.0027
124	0.0105	0.0078	0.0027

125	0.0106	0.0079	0.0027
126	0.0106	0.0079	0.0027
127	0.0108	0.0080	0.0027
128	0.0108	0.0081	0.0028
129	0.0109	0.0081	0.0028
130	0.0110	0.0082	0.0028
131	0.0111	0.0083	0.0028
132	0.0112	0.0083	0.0028
133	0.0113	0.0084	0.0029
134	0.0114	0.0085	0.0029
135	0.0115	0.0086	0.0029
136	0.0115	0.0086	0.0029
137	0.0117	0.0087	0.0030
138	0.0118	0.0088	0.0030
139	0.0119	0.0089	0.0030
140	0.0120	0.0089	0.0030
141	0.0121	0.0090	0.0031
142	0.0122	0.0091	0.0031
143	0.0124	0.0092	0.0032
144	0.0125	0.0093	0.0032
145	0.0119	0.0089	0.0030
146	0.0120	0.0089	0.0031
147	0.0122	0.0091	0.0031
148	0.0123	0.0092	0.0031
149	0.0125	0.0093	0.0032
150	0.0126	0.0094	0.0032
151	0.0128	0.0095	0.0033
152	0.0129	0.0096	0.0033
153	0.0131	0.0098	0.0033
154	0.0132	0.0099	0.0034
155	0.0135	0.0101	0.0034
156	0.0136	0.0102	0.0035
157	0.0139	0.0104	0.0035
158	0.0140	0.0105	0.0036
159	0.0143	0.0107	0.0036
160	0.0145	0.0108	0.0037
161	0.0148	0.0110	0.0038
162	0.0150	0.0112	0.0038
163	0.0153	0.0114	0.0039
164	0.0155	0.0116	0.0039
165	0.0159	0.0118	0.0040
166	0.0161	0.0120	0.0041
167	0.0165	0.0123	0.0042
168	0.0168	0.0125	0.0043
169	0.0173	0.0129	0.0044
170	0.0175	0.0131	0.0045
171	0.0181	0.0135	0.0046
172	0.0184	0.0137	0.0047
173	0.0191	0.0142	0.0049
174	0.0194	0.0145	0.0049

175	0.0202	0.0150	0.0051
176	0.0206	0.0154	0.0052
177	0.0215	0.0160	0.0055
178	0.0220	0.0164	0.0056
179	0.0231	0.0172	0.0059
180	0.0237	0.0177	0.0060
181	0.0251	0.0187	0.0064
182	0.0259	0.0193	0.0066
183	0.0278	0.0207	0.0071
184	0.0289	0.0215	0.0073
185	0.0202	0.0151	0.0051
186	0.0215	0.0161	0.0055
187	0.0250	0.0186	0.0064
188	0.0273	0.0203	0.0069
189	0.0339	0.0253	0.0086
190	0.0391	0.0291	0.0099
191	0.0593	0.0442	0.0151
192	0.0861	0.0482	0.0379
193	0.3723	0.0482	0.3241
194	0.0467	0.0348	0.0119
195	0.0302	0.0225	0.0077
196	0.0231	0.0172	0.0059
197	0.0301	0.0224	0.0077
198	0.0268	0.0200	0.0068
199	0.0244	0.0182	0.0062
200	0.0225	0.0168	0.0057
201	0.0210	0.0157	0.0054
202	0.0198	0.0147	0.0050
203	0.0187	0.0140	0.0048
204	0.0178	0.0133	0.0045
205	0.0170	0.0127	0.0043
206	0.0163	0.0122	0.0042
207	0.0157	0.0117	0.0040
208	0.0151	0.0113	0.0039
209	0.0146	0.0109	0.0037
210	0.0142	0.0106	0.0036
211	0.0138	0.0103	0.0035
212	0.0134	0.0100	0.0034
213	0.0130	0.0097	0.0033
214	0.0127	0.0095	0.0032
215	0.0124	0.0092	0.0032
216	0.0121	0.0090	0.0031
217	0.0125	0.0094	0.0032
218	0.0123	0.0092	0.0031
219	0.0121	0.0090	0.0031
220	0.0118	0.0088	0.0030
221	0.0116	0.0087	0.0030
222	0.0114	0.0085	0.0029
223	0.0112	0.0084	0.0029
224	0.0110	0.0082	0.0028

225	0.0109	0.0081	0.0028
226	0.0107	0.0080	0.0027
227	0.0105	0.0079	0.0027
228	0.0104	0.0077	0.0026
229	0.0102	0.0076	0.0026
230	0.0101	0.0075	0.0026
231	0.0100	0.0074	0.0025
232	0.0098	0.0073	0.0025
233	0.0097	0.0072	0.0025
234	0.0096	0.0072	0.0024
235	0.0095	0.0071	0.0024
236	0.0094	0.0070	0.0024
237	0.0093	0.0069	0.0024
238	0.0092	0.0068	0.0023
239	0.0091	0.0068	0.0023
240	0.0090	0.0067	0.0023
241	0.0089	0.0066	0.0023
242	0.0088	0.0065	0.0022
243	0.0087	0.0065	0.0022
244	0.0086	0.0064	0.0022
245	0.0085	0.0064	0.0022
246	0.0084	0.0063	0.0021
247	0.0084	0.0062	0.0021
248	0.0083	0.0062	0.0021
249	0.0082	0.0061	0.0021
250	0.0081	0.0061	0.0021
251	0.0081	0.0060	0.0021
252	0.0080	0.0060	0.0020
253	0.0079	0.0059	0.0020
254	0.0079	0.0059	0.0020
255	0.0078	0.0058	0.0020
256	0.0077	0.0058	0.0020
257	0.0077	0.0057	0.0020
258	0.0076	0.0057	0.0019
259	0.0076	0.0056	0.0019
260	0.0075	0.0056	0.0019
261	0.0075	0.0056	0.0019
262	0.0074	0.0055	0.0019
263	0.0073	0.0055	0.0019
264	0.0073	0.0054	0.0019
265	0.0072	0.0054	0.0018
266	0.0072	0.0054	0.0018
267	0.0071	0.0053	0.0018
268	0.0071	0.0053	0.0018
269	0.0071	0.0053	0.0018
270	0.0070	0.0052	0.0018
271	0.0070	0.0052	0.0018
272	0.0069	0.0052	0.0018
273	0.0069	0.0051	0.0017
274	0.0068	0.0051	0.0017

275	0.0068	0.0051	0.0017
276	0.0067	0.0050	0.0017
277	0.0067	0.0050	0.0017
278	0.0067	0.0050	0.0017
279	0.0066	0.0049	0.0017
280	0.0066	0.0049	0.0017
281	0.0066	0.0049	0.0017
282	0.0065	0.0049	0.0017
283	0.0065	0.0048	0.0016
284	0.0064	0.0048	0.0016
285	0.0064	0.0048	0.0016
286	0.0064	0.0048	0.0016
287	0.0063	0.0047	0.0016
288	0.0063	0.0047	0.0016

Total soil rain loss = 2.46(In)
Total effective rainfall = 1.17(In)
Peak flow rate in flood hydrograph = 10.19(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

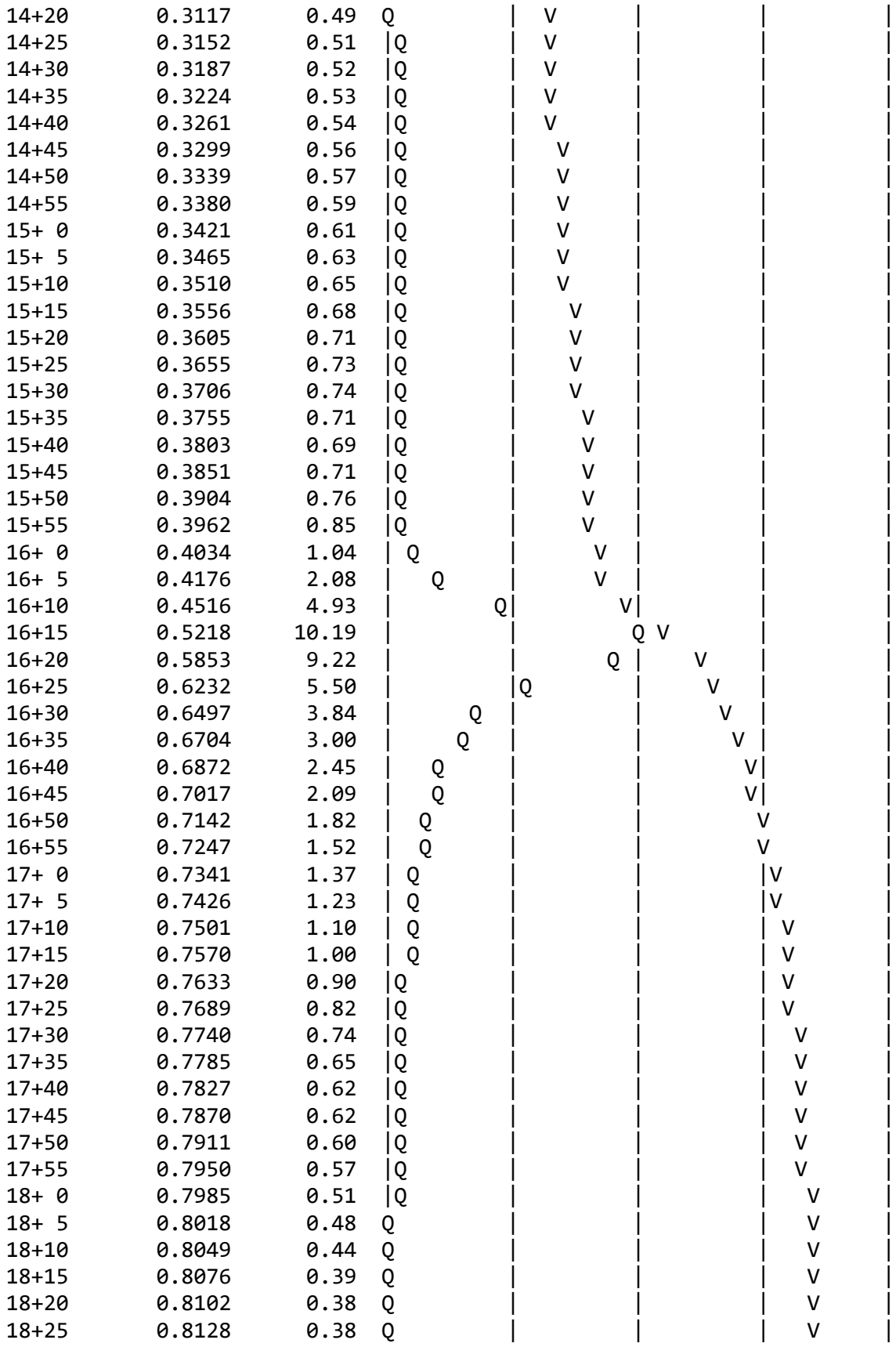
Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0000	0.00	Q	|	|	|	|
0+10	0.0002	0.02	Q	|	|	|	|
0+15	0.0006	0.06	Q	|	|	|	|
0+20	0.0013	0.10	Q	|	|	|	|
0+25	0.0021	0.12	Q	|	|	|	|
0+30	0.0031	0.14	Q	|	|	|	|
0+35	0.0041	0.15	Q	|	|	|	|
0+40	0.0051	0.15	Q	|	|	|	|
0+45	0.0062	0.16	Q	|	|	|	|
0+50	0.0074	0.17	Q	|	|	|	|
0+55	0.0086	0.17	Q	|	|	|	|
1+ 0	0.0098	0.17	Q	|	|	|	|
1+ 5	0.0110	0.18	Q	|	|	|	|
1+10	0.0122	0.18	Q	|	|	|	|
1+15	0.0135	0.18	Q	|	|	|	|
1+20	0.0148	0.18	Q	|	|	|	|
1+25	0.0160	0.19	Q	|	|	|	|
1+30	0.0173	0.19	Q	|	|	|	|
1+35	0.0186	0.19	Q	|	|	|	|
1+40	0.0199	0.19	Q	|	|	|	|
1+45	0.0213	0.19	Q	|	|	|	|

1+50	0.0226	0.19	Q	|	|	|	|
1+55	0.0239	0.19	QV	|	|	|	|
2+ 0	0.0253	0.19	QV	|	|	|	|
2+ 5	0.0266	0.20	QV	|	|	|	|
2+10	0.0280	0.20	QV	|	|	|	|
2+15	0.0293	0.20	QV	|	|	|	|
2+20	0.0307	0.20	QV	|	|	|	|
2+25	0.0321	0.20	QV	|	|	|	|
2+30	0.0334	0.20	QV	|	|	|	|
2+35	0.0348	0.20	QV	|	|	|	|
2+40	0.0362	0.20	QV	|	|	|	|
2+45	0.0376	0.20	QV	|	|	|	|
2+50	0.0389	0.20	QV	|	|	|	|
2+55	0.0403	0.20	QV	|	|	|	|
3+ 0	0.0417	0.20	QV	|	|	|	|
3+ 5	0.0431	0.20	QV	|	|	|	|
3+10	0.0445	0.20	QV	|	|	|	|
3+15	0.0459	0.20	QV	|	|	|	|
3+20	0.0474	0.21	Q V	|	|	|	|
3+25	0.0488	0.21	Q V	|	|	|	|
3+30	0.0502	0.21	Q V	|	|	|	|
3+35	0.0516	0.21	Q V	|	|	|	|
3+40	0.0530	0.21	Q V	|	|	|	|
3+45	0.0545	0.21	Q V	|	|	|	|
3+50	0.0559	0.21	Q V	|	|	|	|
3+55	0.0574	0.21	Q V	|	|	|	|
4+ 0	0.0588	0.21	Q V	|	|	|	|
4+ 5	0.0603	0.21	Q V	|	|	|	|
4+10	0.0617	0.21	Q V	|	|	|	|
4+15	0.0632	0.21	Q V	|	|	|	|
4+20	0.0647	0.21	Q V	|	|	|	|
4+25	0.0661	0.21	Q V	|	|	|	|
4+30	0.0676	0.21	Q V	|	|	|	|
4+35	0.0691	0.22	Q V	|	|	|	|
4+40	0.0706	0.22	Q V	|	|	|	|
4+45	0.0721	0.22	Q V	|	|	|	|
4+50	0.0736	0.22	Q V	|	|	|	|
4+55	0.0751	0.22	Q V	|	|	|	|
5+ 0	0.0766	0.22	Q V	|	|	|	|
5+ 5	0.0781	0.22	Q V	|	|	|	|
5+10	0.0797	0.22	Q V	|	|	|	|
5+15	0.0812	0.22	Q V	|	|	|	|
5+20	0.0827	0.22	Q V	|	|	|	|
5+25	0.0843	0.22	Q V	|	|	|	|
5+30	0.0858	0.22	Q V	|	|	|	|
5+35	0.0874	0.23	Q V	|	|	|	|
5+40	0.0889	0.23	Q V	|	|	|	|
5+45	0.0905	0.23	Q V	|	|	|	|
5+50	0.0921	0.23	Q V	|	|	|	|
5+55	0.0936	0.23	Q V	|	|	|	|

6+ 0	0.0952	0.23	Q	V				
6+ 5	0.0968	0.23	Q	V				
6+10	0.0984	0.23	Q	V				
6+15	0.1000	0.23	Q	V				
6+20	0.1016	0.23	Q	V				
6+25	0.1032	0.23	Q	V				
6+30	0.1049	0.24	Q	V				
6+35	0.1065	0.24	Q	V				
6+40	0.1081	0.24	Q	V				
6+45	0.1098	0.24	Q	V				
6+50	0.1114	0.24	Q	V				
6+55	0.1131	0.24	Q	V				
7+ 0	0.1147	0.24	Q	V				
7+ 5	0.1164	0.24	Q	V				
7+10	0.1181	0.24	Q	V				
7+15	0.1198	0.25	Q	V				
7+20	0.1215	0.25	Q	V				
7+25	0.1232	0.25	Q	V				
7+30	0.1249	0.25	Q	V				
7+35	0.1266	0.25	Q	V				
7+40	0.1283	0.25	Q	V				
7+45	0.1301	0.25	Q	V				
7+50	0.1318	0.25	Q	V				
7+55	0.1336	0.25	Q	V				
8+ 0	0.1353	0.26	Q	V				
8+ 5	0.1371	0.26	Q	V				
8+10	0.1389	0.26	Q	V				
8+15	0.1407	0.26	Q	V				
8+20	0.1425	0.26	Q	V				
8+25	0.1443	0.26	Q	V				
8+30	0.1461	0.26	Q	V				
8+35	0.1479	0.27	Q	V				
8+40	0.1498	0.27	Q	V				
8+45	0.1516	0.27	Q	V				
8+50	0.1535	0.27	Q	V				
8+55	0.1553	0.27	Q	V				
9+ 0	0.1572	0.27	Q	V				
9+ 5	0.1591	0.27	Q	V				
9+10	0.1610	0.28	Q	V				
9+15	0.1629	0.28	Q	V				
9+20	0.1648	0.28	Q	V				
9+25	0.1667	0.28	Q	V				
9+30	0.1687	0.28	Q	V				
9+35	0.1706	0.28	Q	V				
9+40	0.1726	0.29	Q	V				
9+45	0.1746	0.29	Q	V				
9+50	0.1766	0.29	Q	V				
9+55	0.1786	0.29	Q	V				
10+ 0	0.1806	0.29	Q	V				
10+ 5	0.1826	0.29	Q	V				

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10+10       0.1847      0.30  Q      V  |          |          |          |
10+15       0.1867      0.30  Q      V  |          |          |          |
10+20       0.1888      0.30  Q       V |          |          |          |
10+25       0.1909      0.30  Q       V |          |          |          |
10+30       0.1930      0.31  Q       V |          |          |          |
10+35       0.1951      0.31  Q       V |          |          |          |
10+40       0.1972      0.31  Q       V |          |          |          |
10+45       0.1994      0.31  Q       V |          |          |          |
10+50       0.2016      0.31  Q       V |          |          |          |
10+55       0.2037      0.32  Q       V |          |          |          |
11+ 0       0.2059      0.32  Q       V |          |          |          |
11+ 5       0.2081      0.32  Q       V |          |          |          |
11+10       0.2104      0.32  Q       V |          |          |          |
11+15       0.2126      0.33  Q        V|          |          |          |
11+20       0.2149      0.33  Q        V|          |          |          |
11+25       0.2172      0.33  Q        V|          |          |          |
11+30       0.2195      0.33  Q        V|          |          |          |
11+35       0.2218      0.34  Q        V|          |          |          |
11+40       0.2241      0.34  Q        V|          |          |          |
11+45       0.2265      0.34  Q        V|          |          |          |
11+50       0.2289      0.35  Q        V|          |          |          |
11+55       0.2313      0.35  Q        V|          |          |          |
12+ 0       0.2337      0.35  Q        V|          |          |          |
12+ 5       0.2362      0.36  Q         V          |          |          |
12+10       0.2387      0.36  Q         V          |          |          |
12+15       0.2411      0.36  Q         V          |          |          |
12+20       0.2436      0.36  Q         V          |          |          |
12+25       0.2460      0.36  Q         V          |          |          |
12+30       0.2485      0.36  Q         V          |          |          |
12+35       0.2510      0.36  Q         V          |          |          |
12+40       0.2535      0.37  Q         V          |          |          |
12+45       0.2560      0.37  Q         V          |          |          |
12+50       0.2586      0.37  Q          |V         |          |          |
12+55       0.2612      0.38  Q          |V         |          |          |
13+ 0       0.2638      0.38  Q          |V         |          |          |
13+ 5       0.2665      0.39  Q          |V         |          |          |
13+10       0.2692      0.39  Q          |V         |          |          |
13+15       0.2719      0.40  Q          |V         |          |          |
13+20       0.2747      0.40  Q          |V         |          |          |
13+25       0.2775      0.41  Q          |V         |          |          |
13+30       0.2804      0.41  Q          |V         |          |          |
13+35       0.2833      0.42  Q          | V        |          |          |
13+40       0.2862      0.43  Q          | V        |          |          |
13+45       0.2892      0.43  Q          | V        |          |          |
13+50       0.2922      0.44  Q          | V        |          |          |
13+55       0.2953      0.45  Q          | V        |          |          |
14+ 0       0.2985      0.46  Q          | V        |          |          |
14+ 5       0.3017      0.47  Q          | V        |          |          |
14+10       0.3049      0.47  Q          |  V       |          |          |
14+15       0.3083      0.48  Q          |  V       |          |          |
```



18+30	0.8154	0.37	Q	|	|	| V	|
18+35	0.8179	0.36	Q	|	|	| V	|
18+40	0.8203	0.36	Q	|	|	| V	|
18+45	0.8227	0.35	Q	|	|	| V	|
18+50	0.8251	0.34	Q	|	|	| V	|
18+55	0.8274	0.34	Q	|	|	| V	|
19+ 0	0.8297	0.33	Q	|	|	| V	|
19+ 5	0.8320	0.33	Q	|	|	| V	|
19+10	0.8342	0.32	Q	|	|	| V	|
19+15	0.8364	0.32	Q	|	|	| V	|
19+20	0.8385	0.31	Q	|	|	| V	|
19+25	0.8407	0.31	Q	|	|	| V	|
19+30	0.8427	0.30	Q	|	|	| V	|
19+35	0.8448	0.30	Q	|	|	| V	|
19+40	0.8468	0.30	Q	|	|	| V	|
19+45	0.8489	0.29	Q	|	|	| V	|
19+50	0.8508	0.29	Q	|	|	| V	|
19+55	0.8528	0.28	Q	|	|	| V	|
20+ 0	0.8547	0.28	Q	|	|	| V	|
20+ 5	0.8566	0.28	Q	|	|	| V	|
20+10	0.8585	0.27	Q	|	|	| V	|
20+15	0.8604	0.27	Q	|	|	| V	|
20+20	0.8623	0.27	Q	|	|	| V	|
20+25	0.8641	0.27	Q	|	|	| V	|
20+30	0.8659	0.26	Q	|	|	| V	|
20+35	0.8677	0.26	Q	|	|	| V	|
20+40	0.8695	0.26	Q	|	|	| V	|
20+45	0.8712	0.25	Q	|	|	| V	|
20+50	0.8730	0.25	Q	|	|	| V	|
20+55	0.8747	0.25	Q	|	|	| V	|
21+ 0	0.8764	0.25	Q	|	|	| V	|
21+ 5	0.8781	0.25	Q	|	|	| V	|
21+10	0.8797	0.24	Q	|	|	| V	|
21+15	0.8814	0.24	Q	|	|	| V	|
21+20	0.8830	0.24	Q	|	|	| V	|
21+25	0.8847	0.24	Q	|	|	| V	|
21+30	0.8863	0.23	Q	|	|	| V	|
21+35	0.8879	0.23	Q	|	|	| V	|
21+40	0.8895	0.23	Q	|	|	| V	|
21+45	0.8911	0.23	Q	|	|	| V	|
21+50	0.8926	0.23	Q	|	|	| V	|
21+55	0.8942	0.23	Q	|	|	| V	|
22+ 0	0.8957	0.22	Q	|	|	| V	|
22+ 5	0.8973	0.22	Q	|	|	| V	|
22+10	0.8988	0.22	Q	|	|	| V	|
22+15	0.9003	0.22	Q	|	|	| V	|
22+20	0.9018	0.22	Q	|	|	| V	|
22+25	0.9033	0.22	Q	|	|	| V	|
22+30	0.9047	0.21	Q	|	|	| V	|
22+35	0.9062	0.21	Q	|	|	| V	|

```
   22+40       0.9077      0.21  Q          |          |          |        V |
   22+45       0.9091      0.21  Q          |          |          |        V |
   22+50       0.9105      0.21  Q          |          |          |        V |
   22+55       0.9120      0.21  Q          |          |          |        V |
   23+ 0       0.9134      0.21  Q          |          |          |         V|
   23+ 5       0.9148      0.20  Q          |          |          |         V|
   23+10       0.9162      0.20  Q          |          |          |         V|
   23+15       0.9176      0.20  Q          |          |          |         V|
   23+20       0.9190      0.20  Q          |          |          |         V|
   23+25       0.9203      0.20  Q          |          |          |         V|
   23+30       0.9217      0.20  Q          |          |          |         V|
   23+35       0.9231      0.20  Q          |          |          |         V|
   23+40       0.9244      0.20  Q          |          |          |         V|
   23+45       0.9258      0.19  Q          |          |          |         V|
   23+50       0.9271      0.19  Q          |          |          |         V|
   23+55       0.9284      0.19  Q          |          |          |         V|
   24+ 0       0.9297      0.19  Q          |          |          |         V|
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 10/01/21

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
PREDEVELOPED 10 YR UNIT HYDROGRAPH SUBAREA B
MGUBBAREINER 2021-09-27
--

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
8.25	1	0.79
Rainfall data for year 10		
8.25	6	1.82
Rainfall data for year 10		
8.25	24	3.63

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	67.0	8.25	1.000	0.578	1.000	0.578

Area-averaged adjusted loss rate Fm (In/Hr) = 0.578

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
8.25	1.000	67.0	67.0	4.93	0.255

Area-averaged catchment yield fraction, Y = 0.255
Area-averaged low loss fraction, Yb = 0.745
User entry of time of concentration = 0.270 (hours)
++
Watershed area = 8.25(Ac.)
Catchment Lag time = 0.216 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 38.5802
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.578(In/Hr)
Average low loss rate fraction (Yb) = 0.745 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.375(In)
Computed peak 30-minute rainfall = 0.642(In)
Specified peak 1-hour rainfall = 0.790(In)
Computed peak 3-hour rainfall = 1.318(In)
Specified peak 6-hour rainfall = 1.820(In)
Specified peak 24-hour rainfall = 3.630(In)

Rainfall depth area reduction factors:
Using a total area of 8.25(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.375(In)
30-minute factor = 1.000 Adjusted rainfall = 0.641(In)
1-hour factor = 1.000 Adjusted rainfall = 0.790(In)
3-hour factor = 1.000 Adjusted rainfall = 1.318(In)
6-hour factor = 1.000 Adjusted rainfall = 1.820(In)
24-hour factor = 1.000 Adjusted rainfall = 3.630(In)

U n i t H y d r o g r a p h
++
Interval 'S' Graph Unit Hydrograph

Number	Mean values ((CFS))	
	(K = 99.77 (CFS))	
1	2.595	2.589
2	17.110	14.482
3	47.025	29.847
4	64.168	17.104
5	73.585	9.396
6	79.873	6.274
7	84.321	4.438
8	87.824	3.495
9	90.350	2.521
10	92.386	2.031
11	94.047	1.658
12	95.367	1.317
13	96.438	1.068
14	97.275	0.835
15	97.884	0.608
16	98.288	0.403
17	98.739	0.450
18	99.202	0.462
19	99.584	0.381
20	99.827	0.243
21	100.000	0.173

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3747	0.3747
2	0.4613	0.0866
3	0.5210	0.0597
4	0.5680	0.0470
5	0.6073	0.0393
6	0.6414	0.0341
7	0.6718	0.0304
8	0.6992	0.0275
9	0.7244	0.0251
10	0.7477	0.0233
11	0.7693	0.0217
12	0.7897	0.0203
13	0.8197	0.0300
14	0.8485	0.0288
15	0.8762	0.0277
16	0.9030	0.0268
17	0.9289	0.0259
18	0.9540	0.0251
19	0.9783	0.0243
20	1.0020	0.0237
21	1.0250	0.0230
22	1.0475	0.0225

23	1.0694	0.0219
24	1.0908	0.0214
25	1.1118	0.0210
26	1.1323	0.0205
27	1.1524	0.0201
28	1.1721	0.0197
29	1.1914	0.0193
30	1.2104	0.0190
31	1.2291	0.0186
32	1.2474	0.0183
33	1.2654	0.0180
34	1.2831	0.0177
35	1.3006	0.0175
36	1.3178	0.0172
37	1.3347	0.0169
38	1.3514	0.0167
39	1.3678	0.0165
40	1.3841	0.0162
41	1.4001	0.0160
42	1.4159	0.0158
43	1.4315	0.0156
44	1.4469	0.0154
45	1.4621	0.0152
46	1.4772	0.0150
47	1.4920	0.0149
48	1.5067	0.0147
49	1.5213	0.0145
50	1.5357	0.0144
51	1.5499	0.0142
52	1.5640	0.0141
53	1.5779	0.0139
54	1.5917	0.0138
55	1.6054	0.0137
56	1.6189	0.0135
57	1.6323	0.0134
58	1.6456	0.0133
59	1.6587	0.0132
60	1.6718	0.0130
61	1.6847	0.0129
62	1.6975	0.0128
63	1.7102	0.0127
64	1.7228	0.0126
65	1.7353	0.0125
66	1.7477	0.0124
67	1.7599	0.0123
68	1.7721	0.0122
69	1.7842	0.0121
70	1.7962	0.0120
71	1.8081	0.0119
72	1.8200	0.0118

73	1.8325	0.0125
74	1.8450	0.0125
75	1.8573	0.0124
76	1.8696	0.0123
77	1.8818	0.0122
78	1.8940	0.0121
79	1.9060	0.0121
80	1.9180	0.0120
81	1.9299	0.0119
82	1.9417	0.0118
83	1.9535	0.0118
84	1.9652	0.0117
85	1.9768	0.0116
86	1.9883	0.0115
87	1.9998	0.0115
88	2.0112	0.0114
89	2.0226	0.0114
90	2.0339	0.0113
91	2.0451	0.0112
92	2.0563	0.0112
93	2.0674	0.0111
94	2.0784	0.0110
95	2.0894	0.0110
96	2.1003	0.0109
97	2.1112	0.0109
98	2.1220	0.0108
99	2.1327	0.0108
100	2.1434	0.0107
101	2.1541	0.0106
102	2.1647	0.0106
103	2.1752	0.0105
104	2.1857	0.0105
105	2.1962	0.0104
106	2.2066	0.0104
107	2.2169	0.0103
108	2.2272	0.0103
109	2.2374	0.0102
110	2.2476	0.0102
111	2.2578	0.0102
112	2.2679	0.0101
113	2.2780	0.0101
114	2.2880	0.0100
115	2.2980	0.0100
116	2.3079	0.0099
117	2.3178	0.0099
118	2.3276	0.0098
119	2.3374	0.0098
120	2.3472	0.0098
121	2.3569	0.0097
122	2.3666	0.0097

123	2.3762	0.0096
124	2.3858	0.0096
125	2.3954	0.0096
126	2.4049	0.0095
127	2.4144	0.0095
128	2.4239	0.0094
129	2.4333	0.0094
130	2.4426	0.0094
131	2.4520	0.0093
132	2.4613	0.0093
133	2.4706	0.0093
134	2.4798	0.0092
135	2.4890	0.0092
136	2.4981	0.0092
137	2.5073	0.0091
138	2.5164	0.0091
139	2.5254	0.0091
140	2.5345	0.0090
141	2.5435	0.0090
142	2.5524	0.0090
143	2.5614	0.0089
144	2.5703	0.0089
145	2.5792	0.0089
146	2.5880	0.0088
147	2.5968	0.0088
148	2.6056	0.0088
149	2.6144	0.0088
150	2.6231	0.0087
151	2.6318	0.0087
152	2.6404	0.0087
153	2.6491	0.0086
154	2.6577	0.0086
155	2.6663	0.0086
156	2.6748	0.0086
157	2.6833	0.0085
158	2.6918	0.0085
159	2.7003	0.0085
160	2.7088	0.0084
161	2.7172	0.0084
162	2.7256	0.0084
163	2.7339	0.0084
164	2.7423	0.0083
165	2.7506	0.0083
166	2.7589	0.0083
167	2.7671	0.0083
168	2.7754	0.0082
169	2.7836	0.0082
170	2.7918	0.0082
171	2.8000	0.0082
172	2.8081	0.0081

173	2.8162	0.0081
174	2.8243	0.0081
175	2.8324	0.0081
176	2.8404	0.0080
177	2.8485	0.0080
178	2.8565	0.0080
179	2.8644	0.0080
180	2.8724	0.0080
181	2.8803	0.0079
182	2.8883	0.0079
183	2.8961	0.0079
184	2.9040	0.0079
185	2.9119	0.0078
186	2.9197	0.0078
187	2.9275	0.0078
188	2.9353	0.0078
189	2.9431	0.0078
190	2.9508	0.0077
191	2.9585	0.0077
192	2.9662	0.0077
193	2.9739	0.0077
194	2.9816	0.0077
195	2.9892	0.0076
196	2.9968	0.0076
197	3.0044	0.0076
198	3.0120	0.0076
199	3.0196	0.0076
200	3.0271	0.0075
201	3.0347	0.0075
202	3.0422	0.0075
203	3.0497	0.0075
204	3.0571	0.0075
205	3.0646	0.0075
206	3.0720	0.0074
207	3.0795	0.0074
208	3.0869	0.0074
209	3.0942	0.0074
210	3.1016	0.0074
211	3.1090	0.0073
212	3.1163	0.0073
213	3.1236	0.0073
214	3.1309	0.0073
215	3.1382	0.0073
216	3.1454	0.0073
217	3.1527	0.0072
218	3.1599	0.0072
219	3.1671	0.0072
220	3.1743	0.0072
221	3.1815	0.0072
222	3.1886	0.0072

223	3.1958	0.0071
224	3.2029	0.0071
225	3.2100	0.0071
226	3.2171	0.0071
227	3.2242	0.0071
228	3.2313	0.0071
229	3.2383	0.0071
230	3.2454	0.0070
231	3.2524	0.0070
232	3.2594	0.0070
233	3.2664	0.0070
234	3.2733	0.0070
235	3.2803	0.0070
236	3.2872	0.0069
237	3.2942	0.0069
238	3.3011	0.0069
239	3.3080	0.0069
240	3.3149	0.0069
241	3.3218	0.0069
242	3.3286	0.0069
243	3.3355	0.0068
244	3.3423	0.0068
245	3.3491	0.0068
246	3.3559	0.0068
247	3.3627	0.0068
248	3.3695	0.0068
249	3.3762	0.0068
250	3.3830	0.0067
251	3.3897	0.0067
252	3.3964	0.0067
253	3.4031	0.0067
254	3.4098	0.0067
255	3.4165	0.0067
256	3.4232	0.0067
257	3.4298	0.0067
258	3.4364	0.0066
259	3.4431	0.0066
260	3.4497	0.0066
261	3.4563	0.0066
262	3.4629	0.0066
263	3.4695	0.0066
264	3.4760	0.0066
265	3.4826	0.0066
266	3.4891	0.0065
267	3.4956	0.0065
268	3.5022	0.0065
269	3.5087	0.0065
270	3.5151	0.0065
271	3.5216	0.0065
272	3.5281	0.0065

273	3.5345	0.0065
274	3.5410	0.0064
275	3.5474	0.0064
276	3.5538	0.0064
277	3.5602	0.0064
278	3.5666	0.0064
279	3.5730	0.0064
280	3.5794	0.0064
281	3.5858	0.0064
282	3.5921	0.0063
283	3.5984	0.0063
284	3.6048	0.0063
285	3.6111	0.0063
286	3.6174	0.0063
287	3.6237	0.0063
288	3.6300	0.0063

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0063	0.0047	0.0016
2	0.0063	0.0047	0.0016
3	0.0063	0.0047	0.0016
4	0.0063	0.0047	0.0016
5	0.0063	0.0047	0.0016
6	0.0064	0.0047	0.0016
7	0.0064	0.0048	0.0016
8	0.0064	0.0048	0.0016
9	0.0064	0.0048	0.0016
10	0.0064	0.0048	0.0016
11	0.0065	0.0048	0.0016
12	0.0065	0.0048	0.0016
13	0.0065	0.0048	0.0017
14	0.0065	0.0048	0.0017
15	0.0065	0.0049	0.0017
16	0.0065	0.0049	0.0017
17	0.0066	0.0049	0.0017
18	0.0066	0.0049	0.0017
19	0.0066	0.0049	0.0017
20	0.0066	0.0049	0.0017
21	0.0066	0.0049	0.0017
22	0.0067	0.0050	0.0017
23	0.0067	0.0050	0.0017
24	0.0067	0.0050	0.0017
25	0.0067	0.0050	0.0017
26	0.0067	0.0050	0.0017
27	0.0068	0.0050	0.0017
28	0.0068	0.0050	0.0017
29	0.0068	0.0051	0.0017

30	0.0068	0.0051	0.0017
31	0.0068	0.0051	0.0017
32	0.0069	0.0051	0.0017
33	0.0069	0.0051	0.0018
34	0.0069	0.0051	0.0018
35	0.0069	0.0052	0.0018
36	0.0069	0.0052	0.0018
37	0.0070	0.0052	0.0018
38	0.0070	0.0052	0.0018
39	0.0070	0.0052	0.0018
40	0.0070	0.0052	0.0018
41	0.0071	0.0053	0.0018
42	0.0071	0.0053	0.0018
43	0.0071	0.0053	0.0018
44	0.0071	0.0053	0.0018
45	0.0072	0.0053	0.0018
46	0.0072	0.0054	0.0018
47	0.0072	0.0054	0.0018
48	0.0072	0.0054	0.0018
49	0.0073	0.0054	0.0018
50	0.0073	0.0054	0.0019
51	0.0073	0.0055	0.0019
52	0.0073	0.0055	0.0019
53	0.0074	0.0055	0.0019
54	0.0074	0.0055	0.0019
55	0.0074	0.0055	0.0019
56	0.0074	0.0055	0.0019
57	0.0075	0.0056	0.0019
58	0.0075	0.0056	0.0019
59	0.0075	0.0056	0.0019
60	0.0075	0.0056	0.0019
61	0.0076	0.0057	0.0019
62	0.0076	0.0057	0.0019
63	0.0076	0.0057	0.0019
64	0.0077	0.0057	0.0020
65	0.0077	0.0057	0.0020
66	0.0077	0.0058	0.0020
67	0.0078	0.0058	0.0020
68	0.0078	0.0058	0.0020
69	0.0078	0.0058	0.0020
70	0.0078	0.0059	0.0020
71	0.0079	0.0059	0.0020
72	0.0079	0.0059	0.0020
73	0.0080	0.0059	0.0020
74	0.0080	0.0059	0.0020
75	0.0080	0.0060	0.0020
76	0.0080	0.0060	0.0020
77	0.0081	0.0060	0.0021
78	0.0081	0.0061	0.0021
79	0.0082	0.0061	0.0021

80	0.0082	0.0061	0.0021
81	0.0082	0.0061	0.0021
82	0.0083	0.0062	0.0021
83	0.0083	0.0062	0.0021
84	0.0083	0.0062	0.0021
85	0.0084	0.0063	0.0021
86	0.0084	0.0063	0.0021
87	0.0085	0.0063	0.0022
88	0.0085	0.0063	0.0022
89	0.0086	0.0064	0.0022
90	0.0086	0.0064	0.0022
91	0.0086	0.0064	0.0022
92	0.0087	0.0065	0.0022
93	0.0087	0.0065	0.0022
94	0.0088	0.0065	0.0022
95	0.0088	0.0066	0.0022
96	0.0088	0.0066	0.0023
97	0.0089	0.0066	0.0023
98	0.0089	0.0067	0.0023
99	0.0090	0.0067	0.0023
100	0.0090	0.0067	0.0023
101	0.0091	0.0068	0.0023
102	0.0091	0.0068	0.0023
103	0.0092	0.0069	0.0023
104	0.0092	0.0069	0.0024
105	0.0093	0.0069	0.0024
106	0.0093	0.0070	0.0024
107	0.0094	0.0070	0.0024
108	0.0094	0.0070	0.0024
109	0.0095	0.0071	0.0024
110	0.0096	0.0071	0.0024
111	0.0096	0.0072	0.0025
112	0.0097	0.0072	0.0025
113	0.0098	0.0073	0.0025
114	0.0098	0.0073	0.0025
115	0.0099	0.0074	0.0025
116	0.0099	0.0074	0.0025
117	0.0100	0.0075	0.0026
118	0.0101	0.0075	0.0026
119	0.0102	0.0076	0.0026
120	0.0102	0.0076	0.0026
121	0.0103	0.0077	0.0026
122	0.0103	0.0077	0.0026
123	0.0104	0.0078	0.0027
124	0.0105	0.0078	0.0027
125	0.0106	0.0079	0.0027
126	0.0106	0.0079	0.0027
127	0.0108	0.0080	0.0027
128	0.0108	0.0081	0.0028
129	0.0109	0.0081	0.0028

130	0.0110	0.0082	0.0028
131	0.0111	0.0083	0.0028
132	0.0112	0.0083	0.0028
133	0.0113	0.0084	0.0029
134	0.0114	0.0085	0.0029
135	0.0115	0.0086	0.0029
136	0.0115	0.0086	0.0029
137	0.0117	0.0087	0.0030
138	0.0118	0.0088	0.0030
139	0.0119	0.0089	0.0030
140	0.0120	0.0089	0.0030
141	0.0121	0.0090	0.0031
142	0.0122	0.0091	0.0031
143	0.0124	0.0092	0.0032
144	0.0125	0.0093	0.0032
145	0.0118	0.0088	0.0030
146	0.0119	0.0089	0.0030
147	0.0121	0.0090	0.0031
148	0.0122	0.0091	0.0031
149	0.0124	0.0092	0.0032
150	0.0125	0.0093	0.0032
151	0.0127	0.0095	0.0032
152	0.0128	0.0095	0.0033
153	0.0130	0.0097	0.0033
154	0.0132	0.0098	0.0033
155	0.0134	0.0100	0.0034
156	0.0135	0.0101	0.0034
157	0.0138	0.0103	0.0035
158	0.0139	0.0104	0.0035
159	0.0142	0.0106	0.0036
160	0.0144	0.0107	0.0037
161	0.0147	0.0110	0.0037
162	0.0149	0.0111	0.0038
163	0.0152	0.0113	0.0039
164	0.0154	0.0115	0.0039
165	0.0158	0.0118	0.0040
166	0.0160	0.0119	0.0041
167	0.0165	0.0123	0.0042
168	0.0167	0.0124	0.0042
169	0.0172	0.0128	0.0044
170	0.0175	0.0130	0.0044
171	0.0180	0.0134	0.0046
172	0.0183	0.0137	0.0047
173	0.0190	0.0141	0.0048
174	0.0193	0.0144	0.0049
175	0.0201	0.0150	0.0051
176	0.0205	0.0153	0.0052
177	0.0214	0.0160	0.0055
178	0.0219	0.0163	0.0056
179	0.0230	0.0172	0.0059

180	0.0237	0.0176	0.0060
181	0.0251	0.0187	0.0064
182	0.0259	0.0193	0.0066
183	0.0277	0.0207	0.0071
184	0.0288	0.0215	0.0073
185	0.0203	0.0152	0.0052
186	0.0217	0.0162	0.0055
187	0.0251	0.0187	0.0064
188	0.0275	0.0205	0.0070
189	0.0341	0.0255	0.0087
190	0.0393	0.0293	0.0100
191	0.0597	0.0445	0.0152
192	0.0866	0.0482	0.0384
193	0.3747	0.0482	0.3265
194	0.0470	0.0350	0.0120
195	0.0304	0.0226	0.0077
196	0.0233	0.0173	0.0059
197	0.0300	0.0224	0.0076
198	0.0268	0.0199	0.0068
199	0.0243	0.0181	0.0062
200	0.0225	0.0167	0.0057
201	0.0210	0.0156	0.0053
202	0.0197	0.0147	0.0050
203	0.0186	0.0139	0.0047
204	0.0177	0.0132	0.0045
205	0.0169	0.0126	0.0043
206	0.0162	0.0121	0.0041
207	0.0156	0.0116	0.0040
208	0.0150	0.0112	0.0038
209	0.0145	0.0108	0.0037
210	0.0141	0.0105	0.0036
211	0.0137	0.0102	0.0035
212	0.0133	0.0099	0.0034
213	0.0129	0.0096	0.0033
214	0.0126	0.0094	0.0032
215	0.0123	0.0092	0.0031
216	0.0120	0.0089	0.0031
217	0.0125	0.0094	0.0032
218	0.0123	0.0092	0.0031
219	0.0121	0.0090	0.0031
220	0.0118	0.0088	0.0030
221	0.0116	0.0087	0.0030
222	0.0114	0.0085	0.0029
223	0.0112	0.0084	0.0029
224	0.0110	0.0082	0.0028
225	0.0109	0.0081	0.0028
226	0.0107	0.0080	0.0027
227	0.0105	0.0079	0.0027
228	0.0104	0.0077	0.0026
229	0.0102	0.0076	0.0026

230	0.0101	0.0075	0.0026
231	0.0100	0.0074	0.0025
232	0.0098	0.0073	0.0025
233	0.0097	0.0072	0.0025
234	0.0096	0.0072	0.0024
235	0.0095	0.0071	0.0024
236	0.0094	0.0070	0.0024
237	0.0093	0.0069	0.0024
238	0.0092	0.0068	0.0023
239	0.0091	0.0068	0.0023
240	0.0090	0.0067	0.0023
241	0.0089	0.0066	0.0023
242	0.0088	0.0065	0.0022
243	0.0087	0.0065	0.0022
244	0.0086	0.0064	0.0022
245	0.0085	0.0064	0.0022
246	0.0084	0.0063	0.0021
247	0.0084	0.0062	0.0021
248	0.0083	0.0062	0.0021
249	0.0082	0.0061	0.0021
250	0.0081	0.0061	0.0021
251	0.0081	0.0060	0.0021
252	0.0080	0.0060	0.0020
253	0.0079	0.0059	0.0020
254	0.0079	0.0059	0.0020
255	0.0078	0.0058	0.0020
256	0.0077	0.0058	0.0020
257	0.0077	0.0057	0.0020
258	0.0076	0.0057	0.0019
259	0.0076	0.0056	0.0019
260	0.0075	0.0056	0.0019
261	0.0075	0.0056	0.0019
262	0.0074	0.0055	0.0019
263	0.0073	0.0055	0.0019
264	0.0073	0.0054	0.0019
265	0.0072	0.0054	0.0018
266	0.0072	0.0054	0.0018
267	0.0071	0.0053	0.0018
268	0.0071	0.0053	0.0018
269	0.0071	0.0053	0.0018
270	0.0070	0.0052	0.0018
271	0.0070	0.0052	0.0018
272	0.0069	0.0052	0.0018
273	0.0069	0.0051	0.0017
274	0.0068	0.0051	0.0017
275	0.0068	0.0051	0.0017
276	0.0067	0.0050	0.0017
277	0.0067	0.0050	0.0017
278	0.0067	0.0050	0.0017
279	0.0066	0.0049	0.0017

280	0.0066	0.0049	0.0017
281	0.0066	0.0049	0.0017
282	0.0065	0.0049	0.0017
283	0.0065	0.0048	0.0016
284	0.0064	0.0048	0.0016
285	0.0064	0.0048	0.0016
286	0.0064	0.0048	0.0016
287	0.0063	0.0047	0.0016
288	0.0063	0.0047	0.0016

Total soil rain loss = 2.46(In)
Total effective rainfall = 1.17(In)
Peak flow rate in flood hydrograph = 10.94(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

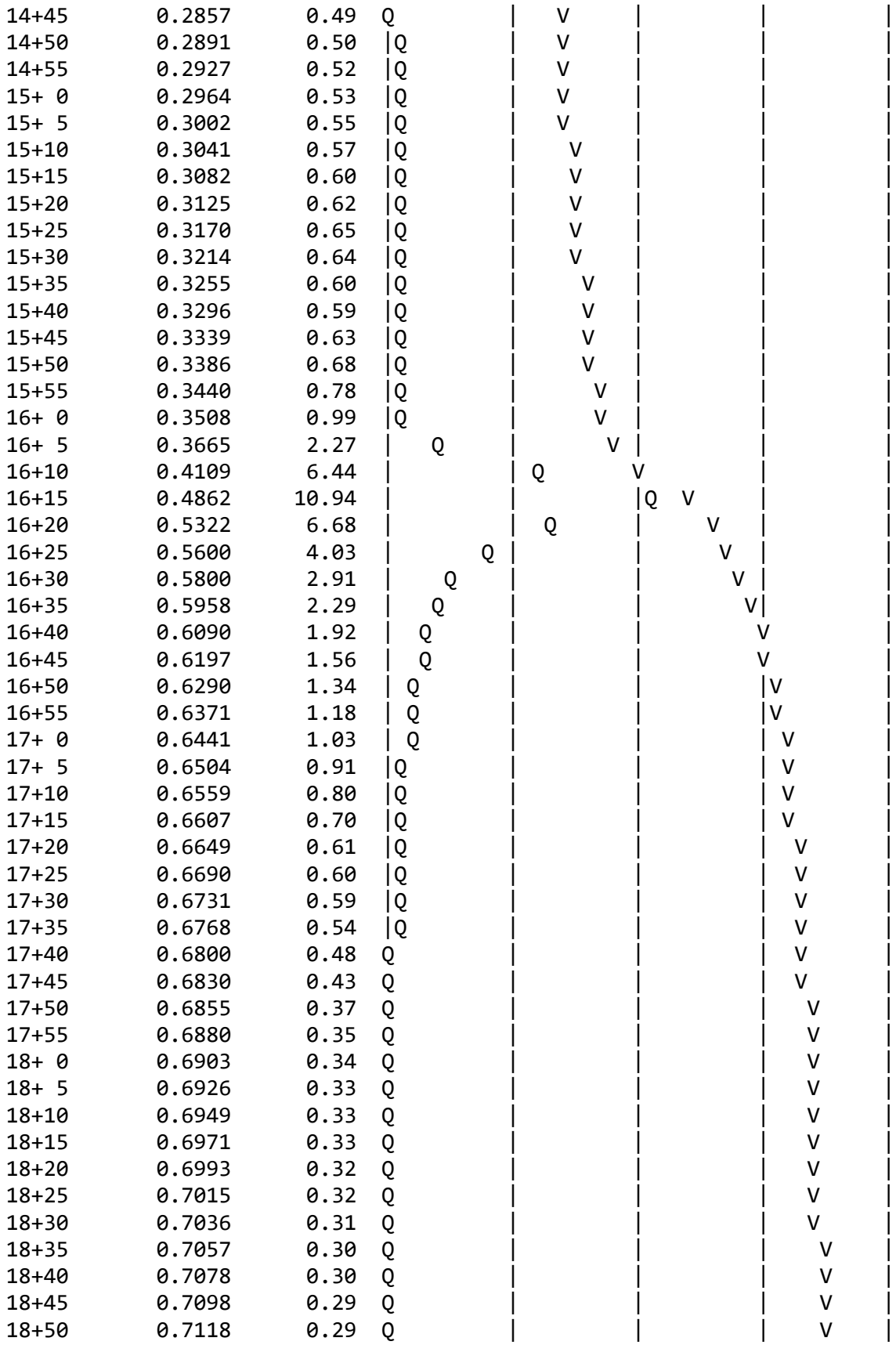
Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0000	0.00	Q	|	|	|	|
0+10	0.0002	0.03	Q	|	|	|	|
0+15	0.0007	0.08	Q	|	|	|	|
0+20	0.0014	0.10	Q	|	|	|	|
0+25	0.0023	0.12	Q	|	|	|	|
0+30	0.0031	0.13	Q	|	|	|	|
0+35	0.0041	0.14	Q	|	|	|	|
0+40	0.0050	0.14	Q	|	|	|	|
0+45	0.0061	0.15	Q	|	|	|	|
0+50	0.0071	0.15	Q	|	|	|	|
0+55	0.0081	0.15	Q	|	|	|	|
1+ 0	0.0092	0.16	Q	|	|	|	|
1+ 5	0.0103	0.16	Q	|	|	|	|
1+10	0.0114	0.16	Q	|	|	|	|
1+15	0.0125	0.16	Q	|	|	|	|
1+20	0.0136	0.16	Q	|	|	|	|
1+25	0.0147	0.16	Q	|	|	|	|
1+30	0.0159	0.16	Q	|	|	|	|
1+35	0.0170	0.17	Q	|	|	|	|
1+40	0.0181	0.17	Q	|	|	|	|
1+45	0.0193	0.17	Q	|	|	|	|
1+50	0.0204	0.17	QV	|	|	|	|
1+55	0.0216	0.17	QV	|	|	|	|
2+ 0	0.0227	0.17	QV	|	|	|	|
2+ 5	0.0239	0.17	QV	|	|	|	|
2+10	0.0251	0.17	QV	|	|	|	|

2+15	0.0262	0.17	QV	|	|	|	|
2+20	0.0274	0.17	QV	|	|	|	|
2+25	0.0286	0.17	QV	|	|	|	|
2+30	0.0298	0.17	QV	|	|	|	|
2+35	0.0310	0.17	QV	|	|	|	|
2+40	0.0321	0.17	QV	|	|	|	|
2+45	0.0333	0.17	QV	|	|	|	|
2+50	0.0345	0.17	QV	|	|	|	|
2+55	0.0357	0.17	QV	|	|	|	|
3+ 0	0.0369	0.17	QV	|	|	|	|
3+ 5	0.0381	0.17	QV	|	|	|	|
3+10	0.0393	0.18	QV	|	|	|	|
3+15	0.0405	0.18	Q V	|	|	|	|
3+20	0.0418	0.18	Q V	|	|	|	|
3+25	0.0430	0.18	Q V	|	|	|	|
3+30	0.0442	0.18	Q V	|	|	|	|
3+35	0.0454	0.18	Q V	|	|	|	|
3+40	0.0467	0.18	Q V	|	|	|	|
3+45	0.0479	0.18	Q V	|	|	|	|
3+50	0.0491	0.18	Q V	|	|	|	|
3+55	0.0504	0.18	Q V	|	|	|	|
4+ 0	0.0516	0.18	Q V	|	|	|	|
4+ 5	0.0529	0.18	Q V	|	|	|	|
4+10	0.0541	0.18	Q V	|	|	|	|
4+15	0.0554	0.18	Q V	|	|	|	|
4+20	0.0567	0.18	Q V	|	|	|	|
4+25	0.0579	0.18	Q V	|	|	|	|
4+30	0.0592	0.19	Q V	|	|	|	|
4+35	0.0605	0.19	Q V	|	|	|	|
4+40	0.0618	0.19	Q V	|	|	|	|
4+45	0.0631	0.19	Q V	|	|	|	|
4+50	0.0644	0.19	Q V	|	|	|	|
4+55	0.0657	0.19	Q V	|	|	|	|
5+ 0	0.0670	0.19	Q V	|	|	|	|
5+ 5	0.0683	0.19	Q V	|	|	|	|
5+10	0.0696	0.19	Q V	|	|	|	|
5+15	0.0709	0.19	Q V	|	|	|	|
5+20	0.0722	0.19	Q V	|	|	|	|
5+25	0.0736	0.19	Q V	|	|	|	|
5+30	0.0749	0.19	Q V	|	|	|	|
5+35	0.0762	0.19	Q V	|	|	|	|
5+40	0.0776	0.19	Q V	|	|	|	|
5+45	0.0789	0.20	Q V	|	|	|	|
5+50	0.0803	0.20	Q V	|	|	|	|
5+55	0.0816	0.20	Q V	|	|	|	|
6+ 0	0.0830	0.20	Q V	|	|	|	|
6+ 5	0.0844	0.20	Q V	|	|	|	|
6+10	0.0857	0.20	Q V	|	|	|	|
6+15	0.0871	0.20	Q V	|	|	|	|
6+20	0.0885	0.20	Q V	|	|	|	|

6+25	0.0899	0.20	Q	V				
6+30	0.0913	0.20	Q	V				
6+35	0.0927	0.20	Q	V				
6+40	0.0941	0.20	Q	V				
6+45	0.0955	0.21	Q	V				
6+50	0.0969	0.21	Q	V				
6+55	0.0984	0.21	Q	V				
7+ 0	0.0998	0.21	Q	V				
7+ 5	0.1013	0.21	Q	V				
7+10	0.1027	0.21	Q	V				
7+15	0.1042	0.21	Q	V				
7+20	0.1056	0.21	Q	V				
7+25	0.1071	0.21	Q	V				
7+30	0.1086	0.21	Q	V				
7+35	0.1100	0.22	Q	V				
7+40	0.1115	0.22	Q	V				
7+45	0.1130	0.22	Q	V				
7+50	0.1145	0.22	Q	V				
7+55	0.1160	0.22	Q	V				
8+ 0	0.1176	0.22	Q	V				
8+ 5	0.1191	0.22	Q	V				
8+10	0.1206	0.22	Q	V				
8+15	0.1222	0.22	Q	V				
8+20	0.1237	0.23	Q	V				
8+25	0.1253	0.23	Q	V				
8+30	0.1268	0.23	Q	V				
8+35	0.1284	0.23	Q	V				
8+40	0.1300	0.23	Q	V				
8+45	0.1316	0.23	Q	V				
8+50	0.1332	0.23	Q	V				
8+55	0.1348	0.23	Q	V				
9+ 0	0.1364	0.24	Q	V				
9+ 5	0.1381	0.24	Q	V				
9+10	0.1397	0.24	Q	V				
9+15	0.1413	0.24	Q	V				
9+20	0.1430	0.24	Q	V				
9+25	0.1447	0.24	Q	V				
9+30	0.1463	0.24	Q	V				
9+35	0.1480	0.25	Q	V				
9+40	0.1497	0.25	Q	V				
9+45	0.1514	0.25	Q	V				
9+50	0.1532	0.25	Q	V				
9+55	0.1549	0.25	Q	V				
10+ 0	0.1566	0.25	Q	V				
10+ 5	0.1584	0.25	Q	V				
10+10	0.1601	0.26	Q	V				
10+15	0.1619	0.26	Q	V				
10+20	0.1637	0.26	Q	V				
10+25	0.1655	0.26	Q	V				
10+30	0.1673	0.26	Q	V				

```
10+35       0.1692      0.27  Q       V |          |          |          |
10+40       0.1710      0.27  Q       V |          |          |          |
10+45       0.1728      0.27  Q       V |          |          |          |
10+50       0.1747      0.27  Q       V |          |          |          |
10+55       0.1766      0.27  Q       V |          |          |          |
11+ 0       0.1785      0.28  Q       V |          |          |          |
11+ 5       0.1804      0.28  Q       V |          |          |          |
11+10       0.1823      0.28  Q        V|          |          |          |
11+15       0.1843      0.28  Q        V|          |          |          |
11+20       0.1862      0.28  Q        V|          |          |          |
11+25       0.1882      0.29  Q        V|          |          |          |
11+30       0.1902      0.29  Q        V|          |          |          |
11+35       0.1922      0.29  Q        V|          |          |          |
11+40       0.1943      0.29  Q        V|          |          |          |
11+45       0.1963      0.30  Q        V|          |          |          |
11+50       0.1984      0.30  Q        V|          |          |          |
11+55       0.2004      0.30  Q        V|          |          |          |
12+ 0       0.2026      0.31  Q         V          |          |          |
12+ 5       0.2047      0.31  Q         V          |          |          |
12+10       0.2068      0.31  Q         V          |          |          |
12+15       0.2089      0.31  Q         V          |          |          |
12+20       0.2110      0.30  Q         V          |          |          |
12+25       0.2131      0.31  Q         V          |          |          |
12+30       0.2152      0.31  Q         V          |          |          |
12+35       0.2174      0.31  Q         V          |          |          |
12+40       0.2195      0.31  Q         V          |          |          |
12+45       0.2217      0.32  Q         |V         |          |          |
12+50       0.2239      0.32  Q         |V         |          |          |
12+55       0.2262      0.32  Q         |V         |          |          |
13+ 0       0.2284      0.33  Q         |V         |          |          |
13+ 5       0.2307      0.33  Q         |V         |          |          |
13+10       0.2330      0.34  Q         |V         |          |          |
13+15       0.2354      0.34  Q         |V         |          |          |
13+20       0.2378      0.35  Q         |V         |          |          |
13+25       0.2402      0.35  Q         |V         |          |          |
13+30       0.2427      0.36  Q         | V        |          |          |
13+35       0.2452      0.36  Q         | V        |          |          |
13+40       0.2477      0.37  Q         | V        |          |          |
13+45       0.2503      0.38  Q         | V        |          |          |
13+50       0.2529      0.38  Q         | V        |          |          |
13+55       0.2556      0.39  Q         | V        |          |          |
14+ 0       0.2583      0.40  Q         | V        |          |          |
14+ 5       0.2611      0.40  Q         | V        |          |          |
14+10       0.2639      0.41  Q         |  V       |          |          |
14+15       0.2668      0.42  Q         |  V       |          |          |
14+20       0.2698      0.43  Q         |  V       |          |          |
14+25       0.2728      0.44  Q         |  V       |          |          |
14+30       0.2759      0.45  Q         |  V       |          |          |
14+35       0.2791      0.46  Q         |  V       |          |          |
14+40       0.2823      0.47  Q         |   V      |          |          |
```



18+55	0.7138	0.28	Q	|	|	|	V |
19+ 0	0.7157	0.28	Q	|	|	|	V |
19+ 5	0.7176	0.28	Q	|	|	|	V |
19+10	0.7195	0.27	Q	|	|	|	V |
19+15	0.7213	0.27	Q	|	|	|	V |
19+20	0.7231	0.26	Q	|	|	|	V |
19+25	0.7249	0.26	Q	|	|	|	V |
19+30	0.7267	0.26	Q	|	|	|	V |
19+35	0.7285	0.25	Q	|	|	|	V |
19+40	0.7302	0.25	Q	|	|	|	V |
19+45	0.7319	0.25	Q	|	|	|	V |
19+50	0.7336	0.24	Q	|	|	|	V |
19+55	0.7352	0.24	Q	|	|	|	V |
20+ 0	0.7369	0.24	Q	|	|	|	V |
20+ 5	0.7385	0.24	Q	|	|	|	V |
20+10	0.7401	0.23	Q	|	|	|	V |
20+15	0.7417	0.23	Q	|	|	|	V |
20+20	0.7433	0.23	Q	|	|	|	V |
20+25	0.7448	0.23	Q	|	|	|	V |
20+30	0.7463	0.22	Q	|	|	|	V |
20+35	0.7479	0.22	Q	|	|	|	V |
20+40	0.7494	0.22	Q	|	|	|	V |
20+45	0.7509	0.22	Q	|	|	|	V |
20+50	0.7523	0.21	Q	|	|	|	V |
20+55	0.7538	0.21	Q	|	|	|	V |
21+ 0	0.7553	0.21	Q	|	|	|	V |
21+ 5	0.7567	0.21	Q	|	|	|	V |
21+10	0.7581	0.21	Q	|	|	|	V |
21+15	0.7595	0.21	Q	|	|	|	V |
21+20	0.7609	0.20	Q	|	|	|	V |
21+25	0.7623	0.20	Q	|	|	|	V |
21+30	0.7637	0.20	Q	|	|	|	V |
21+35	0.7651	0.20	Q	|	|	|	V |
21+40	0.7664	0.20	Q	|	|	|	V |
21+45	0.7678	0.20	Q	|	|	|	V |
21+50	0.7691	0.19	Q	|	|	|	V |
21+55	0.7704	0.19	Q	|	|	|	V |
22+ 0	0.7717	0.19	Q	|	|	|	V |
22+ 5	0.7730	0.19	Q	|	|	|	V |
22+10	0.7743	0.19	Q	|	|	|	V |
22+15	0.7756	0.19	Q	|	|	|	V |
22+20	0.7769	0.19	Q	|	|	|	V |
22+25	0.7782	0.18	Q	|	|	|	V |
22+30	0.7794	0.18	Q	|	|	|	V |
22+35	0.7807	0.18	Q	|	|	|	V |
22+40	0.7819	0.18	Q	|	|	|	V |
22+45	0.7831	0.18	Q	|	|	|	V |
22+50	0.7844	0.18	Q	|	|	|	V |
22+55	0.7856	0.18	Q	|	|	|	V|
23+ 0	0.7868	0.18	Q	|	|	|	V|

23+ 5	0.7880	0.17	Q	|	|	|	V|
23+10	0.7892	0.17	Q	|	|	|	V|
23+15	0.7904	0.17	Q	|	|	|	V|
23+20	0.7915	0.17	Q	|	|	|	V|
23+25	0.7927	0.17	Q	|	|	|	V|
23+30	0.7939	0.17	Q	|	|	|	V|
23+35	0.7950	0.17	Q	|	|	|	V|
23+40	0.7962	0.17	Q	|	|	|	V|
23+45	0.7973	0.17	Q	|	|	|	V|
23+50	0.7985	0.17	Q	|	|	|	V|
23+55	0.7996	0.16	Q	|	|	|	V|
24+ 0	0.8007	0.16	Q	|	|	|	V|

SECTION 6.5: Attachment C.2

10-Year Unit Hydrograph Post-Development Conditions

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2004, Version 7.0

Study date 09/27/21

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
POSTDEVELOPED 10 Y UNIT HYDROGRAPH SUBAREA A
MGUBBAREINER 2021-09-27
--

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
2.40	1	0.79
Rainfall data for year 10		
2.40	6	2.28
Rainfall data for year 10		
2.40	24	3.63

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
32.0	32.0	2.40	1.000	0.978	0.190	0.186

Area-averaged adjusted loss rate Fm (In/Hr) = 0.186

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
0.46	0.190	32.0	32.0	18.15	0.000
1.94	0.810	98.0	98.0	0.20	0.936

Area-averaged catchment yield fraction, Y = 0.758
Area-averaged low loss fraction, Yb = 0.242
User entry of time of concentration = 0.090 (hours)
++
Watershed area = 2.40(Ac.)
Catchment Lag time = 0.072 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 115.3562
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.186(In/Hr)
Average low loss rate fraction (Yb) = 0.242 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.372(In)
Computed peak 30-minute rainfall = 0.638(In)
Specified peak 1-hour rainfall = 0.785(In)
Computed peak 3-hour rainfall = 1.509(In)
Specified peak 6-hour rainfall = 2.280(In)
Specified peak 24-hour rainfall = 3.630(In)

Rainfall depth area reduction factors:
Using a total area of 2.40(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.372(In)
30-minute factor = 1.000 Adjusted rainfall = 0.638(In)
1-hour factor = 1.000 Adjusted rainfall = 0.785(In)
3-hour factor = 1.000 Adjusted rainfall = 1.509(In)
6-hour factor = 1.000 Adjusted rainfall = 2.280(In)
24-hour factor = 1.000 Adjusted rainfall = 3.630(In)

U n i t H y d r o g r a p h
++

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 29.02 (CFS))	
1	22.126	6.422
2	72.427	14.600
3	87.424	4.353
4	93.882	1.874
5	97.167	0.954
6	98.718	0.450
7	100.000	0.372

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3724	0.3724
2	0.4585	0.0861
3	0.5178	0.0593
4	0.5645	0.0467
5	0.6036	0.0391
6	0.6375	0.0339
7	0.6677	0.0302
8	0.6950	0.0273
9	0.7200	0.0250
10	0.7431	0.0231
11	0.7647	0.0216
12	0.7849	0.0202
13	0.8232	0.0383
14	0.8603	0.0371
15	0.8964	0.0361
16	0.9315	0.0351
17	0.9657	0.0342
18	0.9991	0.0334
19	1.0318	0.0327
20	1.0638	0.0320
21	1.0951	0.0313
22	1.1259	0.0307
23	1.1561	0.0302
24	1.1857	0.0297
25	1.2149	0.0292
26	1.2436	0.0287
27	1.2718	0.0282
28	1.2997	0.0278
29	1.3271	0.0274
30	1.3541	0.0270
31	1.3808	0.0267
32	1.4072	0.0263
33	1.4332	0.0260
34	1.4589	0.0257
35	1.4843	0.0254

36	1.5094	0.0251
37	1.5342	0.0248
38	1.5587	0.0245
39	1.5830	0.0243
40	1.6070	0.0240
41	1.6308	0.0238
42	1.6544	0.0236
43	1.6777	0.0233
44	1.7008	0.0231
45	1.7237	0.0229
46	1.7464	0.0227
47	1.7689	0.0225
48	1.7912	0.0223
49	1.8133	0.0221
50	1.8352	0.0219
51	1.8570	0.0218
52	1.8786	0.0216
53	1.9000	0.0214
54	1.9212	0.0213
55	1.9423	0.0211
56	1.9633	0.0209
57	1.9841	0.0208
58	2.0047	0.0206
59	2.0252	0.0205
60	2.0456	0.0204
61	2.0658	0.0202
62	2.0859	0.0201
63	2.1058	0.0200
64	2.1256	0.0198
65	2.1453	0.0197
66	2.1649	0.0196
67	2.1844	0.0195
68	2.2037	0.0193
69	2.2230	0.0192
70	2.2421	0.0191
71	2.2611	0.0190
72	2.2800	0.0189
73	2.2906	0.0106
74	2.3010	0.0105
75	2.3114	0.0104
76	2.3217	0.0103
77	2.3319	0.0102
78	2.3420	0.0101
79	2.3521	0.0100
80	2.3620	0.0099
81	2.3719	0.0099
82	2.3817	0.0098
83	2.3914	0.0097
84	2.4010	0.0096
85	2.4105	0.0096

86	2.4200	0.0095
87	2.4294	0.0094
88	2.4388	0.0093
89	2.4480	0.0093
90	2.4572	0.0092
91	2.4663	0.0091
92	2.4754	0.0091
93	2.4844	0.0090
94	2.4933	0.0089
95	2.5022	0.0089
96	2.5110	0.0088
97	2.5197	0.0087
98	2.5284	0.0087
99	2.5370	0.0086
100	2.5456	0.0086
101	2.5541	0.0085
102	2.5626	0.0085
103	2.5710	0.0084
104	2.5793	0.0083
105	2.5876	0.0083
106	2.5959	0.0082
107	2.6041	0.0082
108	2.6122	0.0081
109	2.6203	0.0081
110	2.6283	0.0080
111	2.6363	0.0080
112	2.6443	0.0079
113	2.6522	0.0079
114	2.6600	0.0079
115	2.6678	0.0078
116	2.6756	0.0078
117	2.6833	0.0077
118	2.6910	0.0077
119	2.6986	0.0076
120	2.7062	0.0076
121	2.7137	0.0075
122	2.7212	0.0075
123	2.7287	0.0075
124	2.7361	0.0074
125	2.7435	0.0074
126	2.7508	0.0073
127	2.7581	0.0073
128	2.7654	0.0073
129	2.7726	0.0072
130	2.7798	0.0072
131	2.7870	0.0072
132	2.7941	0.0071
133	2.8012	0.0071
134	2.8082	0.0070
135	2.8152	0.0070

136	2.8222	0.0070
137	2.8292	0.0069
138	2.8361	0.0069
139	2.8430	0.0069
140	2.8498	0.0068
141	2.8566	0.0068
142	2.8634	0.0068
143	2.8701	0.0067
144	2.8769	0.0067
145	2.8835	0.0067
146	2.8902	0.0067
147	2.8968	0.0066
148	2.9034	0.0066
149	2.9100	0.0066
150	2.9165	0.0065
151	2.9230	0.0065
152	2.9295	0.0065
153	2.9360	0.0065
154	2.9424	0.0064
155	2.9488	0.0064
156	2.9552	0.0064
157	2.9615	0.0063
158	2.9678	0.0063
159	2.9741	0.0063
160	2.9804	0.0063
161	2.9866	0.0062
162	2.9928	0.0062
163	2.9990	0.0062
164	3.0052	0.0062
165	3.0113	0.0061
166	3.0174	0.0061
167	3.0235	0.0061
168	3.0295	0.0061
169	3.0356	0.0060
170	3.0416	0.0060
171	3.0476	0.0060
172	3.0536	0.0060
173	3.0595	0.0059
174	3.0654	0.0059
175	3.0713	0.0059
176	3.0772	0.0059
177	3.0830	0.0059
178	3.0889	0.0058
179	3.0947	0.0058
180	3.1005	0.0058
181	3.1062	0.0058
182	3.1120	0.0057
183	3.1177	0.0057
184	3.1234	0.0057
185	3.1291	0.0057

186	3.1348	0.0057
187	3.1404	0.0056
188	3.1460	0.0056
189	3.1516	0.0056
190	3.1572	0.0056
191	3.1628	0.0056
192	3.1683	0.0055
193	3.1739	0.0055
194	3.1794	0.0055
195	3.1849	0.0055
196	3.1903	0.0055
197	3.1958	0.0055
198	3.2012	0.0054
199	3.2066	0.0054
200	3.2120	0.0054
201	3.2174	0.0054
202	3.2228	0.0054
203	3.2281	0.0053
204	3.2334	0.0053
205	3.2387	0.0053
206	3.2440	0.0053
207	3.2493	0.0053
208	3.2546	0.0053
209	3.2598	0.0052
210	3.2650	0.0052
211	3.2702	0.0052
212	3.2754	0.0052
213	3.2806	0.0052
214	3.2858	0.0052
215	3.2909	0.0051
216	3.2960	0.0051
217	3.3011	0.0051
218	3.3062	0.0051
219	3.3113	0.0051
220	3.3164	0.0051
221	3.3214	0.0050
222	3.3265	0.0050
223	3.3315	0.0050
224	3.3365	0.0050
225	3.3415	0.0050
226	3.3465	0.0050
227	3.3514	0.0050
228	3.3564	0.0049
229	3.3613	0.0049
230	3.3662	0.0049
231	3.3711	0.0049
232	3.3760	0.0049
233	3.3809	0.0049
234	3.3857	0.0049
235	3.3906	0.0048

236	3.3954	0.0048
237	3.4002	0.0048
238	3.4050	0.0048
239	3.4098	0.0048
240	3.4146	0.0048
241	3.4194	0.0048
242	3.4241	0.0048
243	3.4289	0.0047
244	3.4336	0.0047
245	3.4383	0.0047
246	3.4430	0.0047
247	3.4477	0.0047
248	3.4524	0.0047
249	3.4571	0.0047
250	3.4617	0.0047
251	3.4663	0.0046
252	3.4710	0.0046
253	3.4756	0.0046
254	3.4802	0.0046
255	3.4848	0.0046
256	3.4894	0.0046
257	3.4939	0.0046
258	3.4985	0.0046
259	3.5030	0.0045
260	3.5076	0.0045
261	3.5121	0.0045
262	3.5166	0.0045
263	3.5211	0.0045
264	3.5256	0.0045
265	3.5300	0.0045
266	3.5345	0.0045
267	3.5390	0.0045
268	3.5434	0.0044
269	3.5478	0.0044
270	3.5522	0.0044
271	3.5566	0.0044
272	3.5610	0.0044
273	3.5654	0.0044
274	3.5698	0.0044
275	3.5742	0.0044
276	3.5785	0.0044
277	3.5829	0.0043
278	3.5872	0.0043
279	3.5915	0.0043
280	3.5958	0.0043
281	3.6001	0.0043
282	3.6044	0.0043
283	3.6087	0.0043
284	3.6130	0.0043
285	3.6173	0.0043

286	3.6215	0.0043	
287	3.6258	0.0042	
288	3.6300	0.0042	

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0042	0.0010	0.0032
2	0.0042	0.0010	0.0032
3	0.0043	0.0010	0.0032
4	0.0043	0.0010	0.0032
5	0.0043	0.0010	0.0033
6	0.0043	0.0010	0.0033
7	0.0043	0.0010	0.0033
8	0.0043	0.0010	0.0033
9	0.0044	0.0011	0.0033
10	0.0044	0.0011	0.0033
11	0.0044	0.0011	0.0033
12	0.0044	0.0011	0.0033
13	0.0044	0.0011	0.0033
14	0.0044	0.0011	0.0034
15	0.0045	0.0011	0.0034
16	0.0045	0.0011	0.0034
17	0.0045	0.0011	0.0034
18	0.0045	0.0011	0.0034
19	0.0045	0.0011	0.0034
20	0.0045	0.0011	0.0034
21	0.0046	0.0011	0.0035
22	0.0046	0.0011	0.0035
23	0.0046	0.0011	0.0035
24	0.0046	0.0011	0.0035
25	0.0046	0.0011	0.0035
26	0.0046	0.0011	0.0035
27	0.0047	0.0011	0.0035
28	0.0047	0.0011	0.0035
29	0.0047	0.0011	0.0036
30	0.0047	0.0011	0.0036
31	0.0047	0.0011	0.0036
32	0.0048	0.0012	0.0036
33	0.0048	0.0012	0.0036
34	0.0048	0.0012	0.0036
35	0.0048	0.0012	0.0037
36	0.0048	0.0012	0.0037
37	0.0049	0.0012	0.0037
38	0.0049	0.0012	0.0037
39	0.0049	0.0012	0.0037
40	0.0049	0.0012	0.0037
41	0.0049	0.0012	0.0037
42	0.0050	0.0012	0.0038

43	0.0050	0.0012	0.0038
44	0.0050	0.0012	0.0038
45	0.0050	0.0012	0.0038
46	0.0050	0.0012	0.0038
47	0.0051	0.0012	0.0038
48	0.0051	0.0012	0.0039
49	0.0051	0.0012	0.0039
50	0.0051	0.0012	0.0039
51	0.0052	0.0013	0.0039
52	0.0052	0.0013	0.0039
53	0.0052	0.0013	0.0040
54	0.0052	0.0013	0.0040
55	0.0053	0.0013	0.0040
56	0.0053	0.0013	0.0040
57	0.0053	0.0013	0.0040
58	0.0053	0.0013	0.0040
59	0.0054	0.0013	0.0041
60	0.0054	0.0013	0.0041
61	0.0054	0.0013	0.0041
62	0.0055	0.0013	0.0041
63	0.0055	0.0013	0.0042
64	0.0055	0.0013	0.0042
65	0.0055	0.0013	0.0042
66	0.0056	0.0013	0.0042
67	0.0056	0.0014	0.0042
68	0.0056	0.0014	0.0043
69	0.0057	0.0014	0.0043
70	0.0057	0.0014	0.0043
71	0.0057	0.0014	0.0043
72	0.0057	0.0014	0.0044
73	0.0058	0.0014	0.0044
74	0.0058	0.0014	0.0044
75	0.0059	0.0014	0.0044
76	0.0059	0.0014	0.0045
77	0.0059	0.0014	0.0045
78	0.0059	0.0014	0.0045
79	0.0060	0.0015	0.0045
80	0.0060	0.0015	0.0046
81	0.0061	0.0015	0.0046
82	0.0061	0.0015	0.0046
83	0.0061	0.0015	0.0046
84	0.0062	0.0015	0.0047
85	0.0062	0.0015	0.0047
86	0.0062	0.0015	0.0047
87	0.0063	0.0015	0.0048
88	0.0063	0.0015	0.0048
89	0.0064	0.0015	0.0048
90	0.0064	0.0015	0.0048
91	0.0065	0.0016	0.0049
92	0.0065	0.0016	0.0049

93	0.0065	0.0016	0.0050
94	0.0066	0.0016	0.0050
95	0.0066	0.0016	0.0050
96	0.0067	0.0016	0.0050
97	0.0067	0.0016	0.0051
98	0.0067	0.0016	0.0051
99	0.0068	0.0016	0.0052
100	0.0068	0.0017	0.0052
101	0.0069	0.0017	0.0052
102	0.0069	0.0017	0.0053
103	0.0070	0.0017	0.0053
104	0.0070	0.0017	0.0053
105	0.0071	0.0017	0.0054
106	0.0072	0.0017	0.0054
107	0.0072	0.0018	0.0055
108	0.0073	0.0018	0.0055
109	0.0073	0.0018	0.0056
110	0.0074	0.0018	0.0056
111	0.0075	0.0018	0.0057
112	0.0075	0.0018	0.0057
113	0.0076	0.0018	0.0057
114	0.0076	0.0018	0.0058
115	0.0077	0.0019	0.0058
116	0.0078	0.0019	0.0059
117	0.0079	0.0019	0.0059
118	0.0079	0.0019	0.0060
119	0.0080	0.0019	0.0061
120	0.0080	0.0019	0.0061
121	0.0081	0.0020	0.0062
122	0.0082	0.0020	0.0062
123	0.0083	0.0020	0.0063
124	0.0083	0.0020	0.0063
125	0.0085	0.0020	0.0064
126	0.0085	0.0021	0.0065
127	0.0086	0.0021	0.0065
128	0.0087	0.0021	0.0066
129	0.0088	0.0021	0.0067
130	0.0089	0.0021	0.0067
131	0.0090	0.0022	0.0068
132	0.0091	0.0022	0.0069
133	0.0092	0.0022	0.0070
134	0.0093	0.0022	0.0070
135	0.0094	0.0023	0.0071
136	0.0095	0.0023	0.0072
137	0.0096	0.0023	0.0073
138	0.0097	0.0024	0.0074
139	0.0099	0.0024	0.0075
140	0.0099	0.0024	0.0075
141	0.0101	0.0025	0.0077
142	0.0102	0.0025	0.0077

143	0.0104	0.0025	0.0079
144	0.0105	0.0025	0.0079
145	0.0189	0.0046	0.0143
146	0.0190	0.0046	0.0144
147	0.0192	0.0047	0.0146
148	0.0193	0.0047	0.0147
149	0.0196	0.0047	0.0148
150	0.0197	0.0048	0.0149
151	0.0200	0.0048	0.0151
152	0.0201	0.0049	0.0152
153	0.0204	0.0049	0.0154
154	0.0205	0.0050	0.0155
155	0.0208	0.0050	0.0158
156	0.0209	0.0051	0.0159
157	0.0213	0.0051	0.0161
158	0.0214	0.0052	0.0162
159	0.0218	0.0053	0.0165
160	0.0219	0.0053	0.0166
161	0.0223	0.0054	0.0169
162	0.0225	0.0054	0.0170
163	0.0229	0.0055	0.0174
164	0.0231	0.0056	0.0175
165	0.0236	0.0057	0.0178
166	0.0238	0.0058	0.0180
167	0.0243	0.0059	0.0184
168	0.0245	0.0059	0.0186
169	0.0251	0.0061	0.0190
170	0.0254	0.0061	0.0192
171	0.0260	0.0063	0.0197
172	0.0263	0.0064	0.0200
173	0.0270	0.0066	0.0205
174	0.0274	0.0066	0.0208
175	0.0282	0.0068	0.0214
176	0.0287	0.0069	0.0217
177	0.0297	0.0072	0.0225
178	0.0302	0.0073	0.0229
179	0.0313	0.0076	0.0238
180	0.0320	0.0077	0.0242
181	0.0334	0.0081	0.0253
182	0.0342	0.0083	0.0259
183	0.0361	0.0087	0.0273
184	0.0371	0.0090	0.0281
185	0.0202	0.0049	0.0153
186	0.0216	0.0052	0.0163
187	0.0250	0.0061	0.0189
188	0.0273	0.0066	0.0207
189	0.0339	0.0082	0.0257
190	0.0391	0.0095	0.0296
191	0.0593	0.0144	0.0449
192	0.0861	0.0155	0.0706

193	0.3724	0.0155	0.3570
194	0.0467	0.0113	0.0354
195	0.0302	0.0073	0.0229
196	0.0231	0.0056	0.0175
197	0.0383	0.0093	0.0290
198	0.0351	0.0085	0.0266
199	0.0327	0.0079	0.0248
200	0.0307	0.0074	0.0233
201	0.0292	0.0071	0.0221
202	0.0278	0.0067	0.0211
203	0.0267	0.0065	0.0202
204	0.0257	0.0062	0.0195
205	0.0248	0.0060	0.0188
206	0.0240	0.0058	0.0182
207	0.0233	0.0057	0.0177
208	0.0227	0.0055	0.0172
209	0.0221	0.0054	0.0168
210	0.0216	0.0052	0.0164
211	0.0211	0.0051	0.0160
212	0.0206	0.0050	0.0156
213	0.0202	0.0049	0.0153
214	0.0198	0.0048	0.0150
215	0.0195	0.0047	0.0147
216	0.0191	0.0046	0.0145
217	0.0106	0.0026	0.0080
218	0.0103	0.0025	0.0078
219	0.0100	0.0024	0.0076
220	0.0098	0.0024	0.0074
221	0.0096	0.0023	0.0072
222	0.0093	0.0023	0.0071
223	0.0091	0.0022	0.0069
224	0.0089	0.0022	0.0068
225	0.0087	0.0021	0.0066
226	0.0086	0.0021	0.0065
227	0.0084	0.0020	0.0064
228	0.0082	0.0020	0.0062
229	0.0081	0.0020	0.0061
230	0.0079	0.0019	0.0060
231	0.0078	0.0019	0.0059
232	0.0077	0.0019	0.0058
233	0.0075	0.0018	0.0057
234	0.0074	0.0018	0.0056
235	0.0073	0.0018	0.0055
236	0.0072	0.0017	0.0055
237	0.0071	0.0017	0.0054
238	0.0070	0.0017	0.0053
239	0.0069	0.0017	0.0052
240	0.0068	0.0016	0.0051
241	0.0067	0.0016	0.0051
242	0.0066	0.0016	0.0050

243	0.0065	0.0016	0.0049
244	0.0064	0.0016	0.0049
245	0.0063	0.0015	0.0048
246	0.0063	0.0015	0.0047
247	0.0062	0.0015	0.0047
248	0.0061	0.0015	0.0046
249	0.0060	0.0015	0.0046
250	0.0060	0.0014	0.0045
251	0.0059	0.0014	0.0045
252	0.0058	0.0014	0.0044
253	0.0058	0.0014	0.0044
254	0.0057	0.0014	0.0043
255	0.0056	0.0014	0.0043
256	0.0056	0.0014	0.0042
257	0.0055	0.0013	0.0042
258	0.0055	0.0013	0.0041
259	0.0054	0.0013	0.0041
260	0.0054	0.0013	0.0041
261	0.0053	0.0013	0.0040
262	0.0053	0.0013	0.0040
263	0.0052	0.0013	0.0039
264	0.0052	0.0012	0.0039
265	0.0051	0.0012	0.0039
266	0.0051	0.0012	0.0038
267	0.0050	0.0012	0.0038
268	0.0050	0.0012	0.0038
269	0.0049	0.0012	0.0037
270	0.0049	0.0012	0.0037
271	0.0048	0.0012	0.0037
272	0.0048	0.0012	0.0036
273	0.0048	0.0012	0.0036
274	0.0047	0.0011	0.0036
275	0.0047	0.0011	0.0036
276	0.0047	0.0011	0.0035
277	0.0046	0.0011	0.0035
278	0.0046	0.0011	0.0035
279	0.0045	0.0011	0.0034
280	0.0045	0.0011	0.0034
281	0.0045	0.0011	0.0034
282	0.0044	0.0011	0.0034
283	0.0044	0.0011	0.0033
284	0.0044	0.0011	0.0033
285	0.0043	0.0011	0.0033
286	0.0043	0.0010	0.0033
287	0.0043	0.0010	0.0032
288	0.0043	0.0010	0.0032

Total soil rain loss = 0.80(In)
Total effective rainfall = 2.83(In)

Peak flow rate in flood hydrograph = 5.88(CFS)

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24 - H O U R S T O R M

R u n o f f H y d r o g r a p h

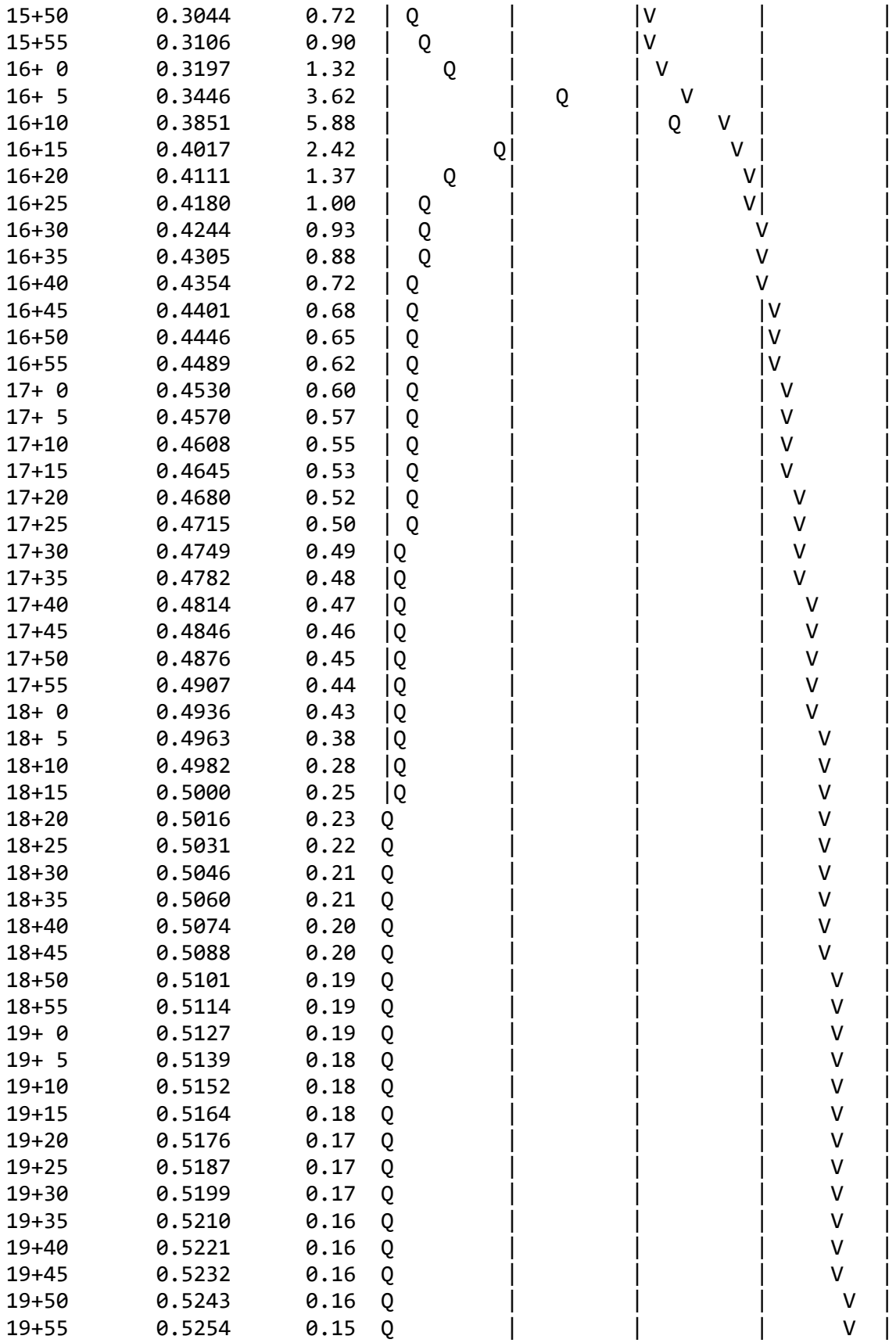
Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.02	Q				
0+10	0.0006	0.07	Q				
0+15	0.0012	0.08	Q				
0+20	0.0018	0.09	Q				
0+25	0.0024	0.09	Q				
0+30	0.0030	0.09	Q				
0+35	0.0037	0.09	Q				
0+40	0.0044	0.09	Q				
0+45	0.0050	0.10	Q				
0+50	0.0057	0.10	Q				
0+55	0.0063	0.10	Q				
1+ 0	0.0070	0.10	Q				
1+ 5	0.0077	0.10	Q				
1+10	0.0083	0.10	Q				
1+15	0.0090	0.10	Q				
1+20	0.0097	0.10	Q				
1+25	0.0103	0.10	Q				
1+30	0.0110	0.10	Q				
1+35	0.0117	0.10	Q				
1+40	0.0124	0.10	Q				
1+45	0.0131	0.10	Q				
1+50	0.0138	0.10	Q				
1+55	0.0145	0.10	QV				
2+ 0	0.0151	0.10	QV				
2+ 5	0.0158	0.10	QV				
2+10	0.0165	0.10	QV				
2+15	0.0172	0.10	QV				
2+20	0.0180	0.10	QV				
2+25	0.0187	0.10	QV				
2+30	0.0194	0.10	QV				
2+35	0.0201	0.10	QV				
2+40	0.0208	0.10	QV				
2+45	0.0215	0.10	QV				
2+50	0.0222	0.10	QV				
2+55	0.0230	0.11	QV				
3+ 0	0.0237	0.11	QV				
3+ 5	0.0244	0.11	QV				
3+10	0.0252	0.11	QV				
3+15	0.0259	0.11	QV				

3+20	0.0266	0.11	QV	|	|	|	|
3+25	0.0274	0.11	QV	|	|	|	|
3+30	0.0281	0.11	QV	|	|	|	|
3+35	0.0289	0.11	Q V	|	|	|	|
3+40	0.0296	0.11	Q V	|	|	|	|
3+45	0.0304	0.11	Q V	|	|	|	|
3+50	0.0312	0.11	Q V	|	|	|	|
3+55	0.0319	0.11	Q V	|	|	|	|
4+ 0	0.0327	0.11	Q V	|	|	|	|
4+ 5	0.0335	0.11	Q V	|	|	|	|
4+10	0.0342	0.11	Q V	|	|	|	|
4+15	0.0350	0.11	Q V	|	|	|	|
4+20	0.0358	0.11	Q V	|	|	|	|
4+25	0.0366	0.11	Q V	|	|	|	|
4+30	0.0374	0.11	Q V	|	|	|	|
4+35	0.0382	0.12	Q V	|	|	|	|
4+40	0.0390	0.12	Q V	|	|	|	|
4+45	0.0398	0.12	Q V	|	|	|	|
4+50	0.0406	0.12	Q V	|	|	|	|
4+55	0.0414	0.12	Q V	|	|	|	|
5+ 0	0.0422	0.12	Q V	|	|	|	|
5+ 5	0.0430	0.12	Q V	|	|	|	|
5+10	0.0438	0.12	Q V	|	|	|	|
5+15	0.0447	0.12	Q V	|	|	|	|
5+20	0.0455	0.12	Q V	|	|	|	|
5+25	0.0463	0.12	Q V	|	|	|	|
5+30	0.0472	0.12	Q V	|	|	|	|
5+35	0.0480	0.12	Q V	|	|	|	|
5+40	0.0488	0.12	Q V	|	|	|	|
5+45	0.0497	0.12	Q V	|	|	|	|
5+50	0.0506	0.12	Q V	|	|	|	|
5+55	0.0514	0.12	Q V	|	|	|	|
6+ 0	0.0523	0.13	Q V	|	|	|	|
6+ 5	0.0532	0.13	Q V	|	|	|	|
6+10	0.0540	0.13	Q V	|	|	|	|
6+15	0.0549	0.13	Q V	|	|	|	|
6+20	0.0558	0.13	Q V	|	|	|	|
6+25	0.0567	0.13	Q V	|	|	|	|
6+30	0.0576	0.13	Q V	|	|	|	|
6+35	0.0585	0.13	Q V	|	|	|	|
6+40	0.0594	0.13	Q V	|	|	|	|
6+45	0.0603	0.13	Q V	|	|	|	|
6+50	0.0612	0.13	Q V	|	|	|	|
6+55	0.0621	0.13	Q V	|	|	|	|
7+ 0	0.0631	0.13	Q V	|	|	|	|
7+ 5	0.0640	0.14	Q V	|	|	|	|
7+10	0.0649	0.14	Q V	|	|	|	|
7+15	0.0659	0.14	Q V	|	|	|	|
7+20	0.0668	0.14	Q V	|	|	|	|
7+25	0.0678	0.14	Q V	|	|	|	|

7+30	0.0687	0.14	Q	V	|	|	|	|
7+35	0.0697	0.14	Q	V	|	|	|	|
7+40	0.0707	0.14	Q	V	|	|	|	|
7+45	0.0717	0.14	Q	V	|	|	|	|
7+50	0.0726	0.14	Q	V	|	|	|	|
7+55	0.0736	0.14	Q	V	|	|	|	|
8+ 0	0.0746	0.15	Q	V	|	|	|	|
8+ 5	0.0757	0.15	Q	V	|	|	|	|
8+10	0.0767	0.15	Q	V	|	|	|	|
8+15	0.0777	0.15	Q	V	|	|	|	|
8+20	0.0787	0.15	Q	V	|	|	|	|
8+25	0.0798	0.15	Q	V	|	|	|	|
8+30	0.0808	0.15	Q	V	|	|	|	|
8+35	0.0818	0.15	Q	V	|	|	|	|
8+40	0.0829	0.15	Q	V	|	|	|	|
8+45	0.0840	0.15	Q	V	|	|	|	|
8+50	0.0850	0.16	Q	V	|	|	|	|
8+55	0.0861	0.16	Q	V	|	|	|	|
9+ 0	0.0872	0.16	Q	V	|	|	|	|
9+ 5	0.0883	0.16	Q	V	|	|	|	|
9+10	0.0894	0.16	Q	V	|	|	|	|
9+15	0.0905	0.16	Q	V	|	|	|	|
9+20	0.0917	0.16	Q	V	|	|	|	|
9+25	0.0928	0.16	Q	V	|	|	|	|
9+30	0.0940	0.17	Q	V	|	|	|	|
9+35	0.0951	0.17	Q	V	|	|	|	|
9+40	0.0963	0.17	Q	V	|	|	|	|
9+45	0.0974	0.17	Q	V	|	|	|	|
9+50	0.0986	0.17	Q	V	|	|	|	|
9+55	0.0998	0.17	Q	V	|	|	|	|
10+ 0	0.1010	0.18	Q	V	|	|	|	|
10+ 5	0.1023	0.18	Q	V	|	|	|	|
10+10	0.1035	0.18	Q	V	|	|	|	|
10+15	0.1047	0.18	Q	V	|	|	|	|
10+20	0.1060	0.18	Q	V	|	|	|	|
10+25	0.1072	0.18	Q	V	|	|	|	|
10+30	0.1085	0.19	Q	V	|	|	|	|
10+35	0.1098	0.19	Q	V	|	|	|	|
10+40	0.1111	0.19	Q	V	|	|	|	|
10+45	0.1124	0.19	Q	V	|	|	|	|
10+50	0.1137	0.19	Q	V	|	|	|	|
10+55	0.1151	0.19	Q	V	|	|	|	|
11+ 0	0.1164	0.20	Q	V	|	|	|	|
11+ 5	0.1178	0.20	Q	V	|	|	|	|
11+10	0.1192	0.20	Q	V	|	|	|	|
11+15	0.1206	0.20	Q	V	|	|	|	|
11+20	0.1220	0.21	Q	V	|	|	|	|
11+25	0.1234	0.21	Q	V	|	|	|	|
11+30	0.1249	0.21	Q	V	|	|	|	|
11+35	0.1264	0.21	Q	V	|	|	|	|

```
11+40       0.1279      0.22  Q        V|         |         |         |
11+45       0.1294      0.22  Q        V|         |         |         |
11+50       0.1309      0.22  Q        V|         |         |         |
11+55       0.1324      0.22  Q        V|         |         |         |
12+ 0       0.1340      0.23  Q        V|         |         |         |
12+ 5       0.1359      0.27  |Q       V|         |         |         |
12+10       0.1384      0.36  |Q       V|         |         |         |
12+15       0.1411      0.39  |Q       V|         |         |         |
12+20       0.1439      0.41  |Q        V         |         |         |
12+25       0.1468      0.42  |Q        V         |         |         |
12+30       0.1497      0.43  |Q        V         |         |         |
12+35       0.1527      0.43  |Q        V         |         |         |
12+40       0.1557      0.44  |Q        |V        |         |         |
12+45       0.1588      0.44  |Q        |V        |         |         |
12+50       0.1618      0.45  |Q        |V        |         |         |
12+55       0.1649      0.45  |Q        |V        |         |         |
13+ 0       0.1681      0.46  |Q        |V        |         |         |
13+ 5       0.1712      0.46  |Q        | V       |         |         |
13+10       0.1745      0.47  |Q        | V       |         |         |
13+15       0.1777      0.47  |Q        | V       |         |         |
13+20       0.1810      0.48  |Q        | V       |         |         |
13+25       0.1843      0.48  |Q        |  V      |         |         |
13+30       0.1877      0.49  |Q        |  V      |         |         |
13+35       0.1911      0.49  |Q        |  V      |         |         |
13+40       0.1945      0.50  | Q       |  V      |         |         |
13+45       0.1980      0.51  | Q       |  V      |         |         |
13+50       0.2015      0.52  | Q       |   V     |         |         |
13+55       0.2051      0.52  | Q       |   V     |         |         |
14+ 0       0.2088      0.53  | Q       |   V     |         |         |
14+ 5       0.2125      0.54  | Q       |    V    |         |         |
14+10       0.2163      0.55  | Q       |    V    |         |         |
14+15       0.2201      0.56  | Q       |    V    |         |         |
14+20       0.2240      0.57  | Q       |    V    |         |         |
14+25       0.2280      0.58  | Q       |     V   |         |         |
14+30       0.2321      0.59  | Q       |     V   |         |         |
14+35       0.2362      0.60  | Q       |     V   |         |         |
14+40       0.2405      0.62  | Q       |     V   |         |         |
14+45       0.2448      0.63  | Q       |      V  |         |         |
14+50       0.2493      0.65  | Q       |      V  |         |         |
14+55       0.2538      0.66  | Q       |      V  |         |         |
15+ 0       0.2585      0.68  | Q       |       V |         |         |
15+ 5       0.2634      0.70  | Q       |       V |         |         |
15+10       0.2684      0.73  | Q       |       V |         |         |
15+15       0.2735      0.75  |  Q      |        V|         |         |
15+20       0.2789      0.78  |  Q      |        V|         |         |
15+25       0.2839      0.72  | Q       |         V         |         |
15+30       0.2877      0.55  | Q       |         V         |         |
15+35       0.2913      0.53  | Q       |         V         |         |
15+40       0.2951      0.56  | Q       |         V         |         |
15+45       0.2994      0.62  | Q       |         |V        |         |
```


15+50 0.3044 0.72
15+55 0.3106 0.90
16+ 0 0.3197 1.32
16+ 5 0.3446 3.62
16+10 0.3851 5.88
16+15 0.4017 2.42
16+20 0.4111 1.37
16+25 0.4180 1.00
16+30 0.4244 0.93
16+35 0.4305 0.88
16+40 0.4354 0.72
16+45 0.4401 0.68
16+50 0.4446 0.65
16+55 0.4489 0.62
17+ 0 0.4530 0.60
17+ 5 0.4570 0.57
17+10 0.4608 0.55
17+15 0.4645 0.53
17+20 0.4680 0.52
17+25 0.4715 0.50
17+30 0.4749 0.49
17+35 0.4782 0.48
17+40 0.4814 0.47
17+45 0.4846 0.46
17+50 0.4876 0.45
17+55 0.4907 0.44
18+ 0 0.4936 0.43
18+ 5 0.4963 0.38
18+10 0.4982 0.28
18+15 0.5000 0.25
18+20 0.5016 0.23
18+25 0.5031 0.22
18+30 0.5046 0.21
18+35 0.5060 0.21
18+40 0.5074 0.20
18+45 0.5088 0.20
18+50 0.5101 0.19
18+55 0.5114 0.19
19+ 0 0.5127 0.19
19+ 5 0.5139 0.18
19+10 0.5152 0.18
19+15 0.5164 0.18
19+20 0.5176 0.17
19+25 0.5187 0.17
19+30 0.5199 0.17
19+35 0.5210 0.16
19+40 0.5221 0.16
19+45 0.5232 0.16
19+50 0.5243 0.16
19+55 0.5254 0.15

```
20+ 0       0.5264      0.15  Q         |          |          |      V  |
20+ 5       0.5274      0.15  Q         |          |          |      V  |
20+10       0.5285      0.15  Q         |          |          |      V  |
20+15       0.5295      0.15  Q         |          |          |      V  |
20+20       0.5304      0.14  Q         |          |          |      V  |
20+25       0.5314      0.14  Q         |          |          |      V  |
20+30       0.5324      0.14  Q         |          |          |      V  |
20+35       0.5333      0.14  Q         |          |          |      V  |
20+40       0.5343      0.14  Q         |          |          |      V  |
20+45       0.5352      0.13  Q         |          |          |      V  |
20+50       0.5361      0.13  Q         |          |          |      V  |
20+55       0.5370      0.13  Q         |          |          |      V  |
21+ 0       0.5379      0.13  Q         |          |          |       V |
21+ 5       0.5388      0.13  Q         |          |          |       V |
21+10       0.5397      0.13  Q         |          |          |       V |
21+15       0.5406      0.13  Q         |          |          |       V |
21+20       0.5414      0.12  Q         |          |          |       V |
21+25       0.5423      0.12  Q         |          |          |       V |
21+30       0.5431      0.12  Q         |          |          |       V |
21+35       0.5439      0.12  Q         |          |          |       V |
21+40       0.5448      0.12  Q         |          |          |       V |
21+45       0.5456      0.12  Q         |          |          |       V |
21+50       0.5464      0.12  Q         |          |          |       V |
21+55       0.5472      0.12  Q         |          |          |       V |
22+ 0       0.5480      0.11  Q         |          |          |       V |
22+ 5       0.5488      0.11  Q         |          |          |       V |
22+10       0.5495      0.11  Q         |          |          |       V |
22+15       0.5503      0.11  Q         |          |          |       V |
22+20       0.5511      0.11  Q         |          |          |       V |
22+25       0.5518      0.11  Q         |          |          |        V|
22+30       0.5526      0.11  Q         |          |          |        V|
22+35       0.5533      0.11  Q         |          |          |        V|
22+40       0.5540      0.11  Q         |          |          |        V|
22+45       0.5548      0.11  Q         |          |          |        V|
22+50       0.5555      0.11  Q         |          |          |        V|
22+55       0.5562      0.10  Q         |          |          |        V|
23+ 0       0.5569      0.10  Q         |          |          |        V|
23+ 5       0.5576      0.10  Q         |          |          |        V|
23+10       0.5583      0.10  Q         |          |          |        V|
23+15       0.5590      0.10  Q         |          |          |        V|
23+20       0.5597      0.10  Q         |          |          |        V|
23+25       0.5604      0.10  Q         |          |          |        V|
23+30       0.5611      0.10  Q         |          |          |        V|
23+35       0.5618      0.10  Q         |          |          |        V|
23+40       0.5624      0.10  Q         |          |          |        V|
23+45       0.5631      0.10  Q         |          |          |        V|
23+50       0.5638      0.10  Q         |          |          |        V|
23+55       0.5644      0.10  Q         |          |          |        V|
24+ 0       0.5651      0.09  Q         |          |          |        V|
24+ 5       0.5656      0.07  Q         |          |          |        V|
```

```
   24+10       0.5657      0.03  Q         |         |         |        V|
   24+15       0.5658      0.01  Q         |         |         |        V|
   24+20       0.5659      0.01  Q         |         |         |        V|
   24+25       0.5659      0.00  Q         |         |         |        V|
   24+30       0.5659      0.00  Q         |         |         |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2004, Version 7.0

Study date 09/27/21

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
POSTDEVELOPED 10 YR UNIT HYDROGRAPH SUBAREA B
MGUBBAREINER 2021-09-27
--

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
11.64	1	0.79
Rainfall data for year 10		
11.64	6	2.28
Rainfall data for year 10		
11.64	24	3.63

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
32.0	32.0	11.64	1.000	0.978	0.190	0.186

Area-averaged adjusted loss rate Fm (In/Hr) = 0.186

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
2.21	0.190	32.0	32.0	18.15	0.000
9.43	0.810	98.0	98.0	0.20	0.936

Area-averaged catchment yield fraction, Y = 0.758
Area-averaged low loss fraction, Yb = 0.242
User entry of time of concentration = 0.138 (hours)
++
Watershed area = 11.64(Ac.)
Catchment Lag time = 0.110 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 75.7576
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.186(In/Hr)
Average low loss rate fraction (Yb) = 0.242 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.372(In)
Computed peak 30-minute rainfall = 0.638(In)
Specified peak 1-hour rainfall = 0.785(In)
Computed peak 3-hour rainfall = 1.509(In)
Specified peak 6-hour rainfall = 2.280(In)
Specified peak 24-hour rainfall = 3.630(In)

Rainfall depth area reduction factors:
Using a total area of 11.64(Ac.) (Ref: fig. E-4)

5-minute factor = 0.999 Adjusted rainfall = 0.372(In)
30-minute factor = 0.999 Adjusted rainfall = 0.637(In)
1-hour factor = 0.999 Adjusted rainfall = 0.785(In)
3-hour factor = 1.000 Adjusted rainfall = 1.509(In)
6-hour factor = 1.000 Adjusted rainfall = 2.280(In)
24-hour factor = 1.000 Adjusted rainfall = 3.630(In)

U n i t H y d r o g r a p h
++

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 140.77 (CFS))	
1	9.432	13.278
2	54.666	63.676
3	76.153	30.248
4	85.629	13.340
5	91.034	7.608
6	94.436	4.789
7	96.655	3.123
8	97.962	1.840
9	98.827	1.218
10	99.611	1.103
11	100.000	0.548

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3723	0.3723
2	0.4583	0.0861
3	0.5176	0.0593
4	0.5643	0.0467
5	0.6033	0.0391
6	0.6373	0.0339
7	0.6674	0.0302
8	0.6947	0.0273
9	0.7197	0.0250
10	0.7428	0.0231
11	0.7644	0.0215
12	0.7846	0.0202
13	0.8229	0.0383
14	0.8600	0.0371
15	0.8961	0.0361
16	0.9312	0.0351
17	0.9654	0.0342
18	0.9988	0.0334
19	1.0315	0.0327
20	1.0635	0.0320
21	1.0949	0.0314
22	1.1256	0.0308
23	1.1558	0.0302
24	1.1855	0.0297
25	1.2147	0.0292
26	1.2434	0.0287
27	1.2716	0.0283
28	1.2995	0.0278
29	1.3269	0.0274
30	1.3540	0.0271
31	1.3807	0.0267

32	1.4070	0.0264
33	1.4331	0.0260
34	1.4588	0.0257
35	1.4842	0.0254
36	1.5093	0.0251
37	1.5341	0.0248
38	1.5586	0.0245
39	1.5829	0.0243
40	1.6069	0.0240
41	1.6307	0.0238
42	1.6543	0.0236
43	1.6776	0.0233
44	1.7007	0.0231
45	1.7236	0.0229
46	1.7463	0.0227
47	1.7688	0.0225
48	1.7911	0.0223
49	1.8132	0.0221
50	1.8352	0.0219
51	1.8569	0.0218
52	1.8785	0.0216
53	1.8999	0.0214
54	1.9212	0.0213
55	1.9423	0.0211
56	1.9632	0.0209
57	1.9840	0.0208
58	2.0046	0.0206
59	2.0251	0.0205
60	2.0455	0.0204
61	2.0657	0.0202
62	2.0858	0.0201
63	2.1057	0.0200
64	2.1256	0.0198
65	2.1453	0.0197
66	2.1649	0.0196
67	2.1843	0.0195
68	2.2037	0.0193
69	2.2229	0.0192
70	2.2420	0.0191
71	2.2610	0.0190
72	2.2799	0.0189
73	2.2905	0.0106
74	2.3010	0.0105
75	2.3114	0.0104
76	2.3216	0.0103
77	2.3319	0.0102
78	2.3420	0.0101
79	2.3520	0.0100
80	2.3619	0.0099
81	2.3718	0.0099

82	2.3816	0.0098
83	2.3913	0.0097
84	2.4009	0.0096
85	2.4105	0.0096
86	2.4200	0.0095
87	2.4294	0.0094
88	2.4387	0.0093
89	2.4480	0.0093
90	2.4571	0.0092
91	2.4663	0.0091
92	2.4753	0.0091
93	2.4843	0.0090
94	2.4933	0.0089
95	2.5021	0.0089
96	2.5109	0.0088
97	2.5197	0.0087
98	2.5284	0.0087
99	2.5370	0.0086
100	2.5456	0.0086
101	2.5541	0.0085
102	2.5625	0.0085
103	2.5709	0.0084
104	2.5793	0.0083
105	2.5876	0.0083
106	2.5958	0.0082
107	2.6040	0.0082
108	2.6121	0.0081
109	2.6202	0.0081
110	2.6283	0.0080
111	2.6363	0.0080
112	2.6442	0.0079
113	2.6521	0.0079
114	2.6599	0.0079
115	2.6677	0.0078
116	2.6755	0.0078
117	2.6832	0.0077
118	2.6909	0.0077
119	2.6985	0.0076
120	2.7061	0.0076
121	2.7137	0.0075
122	2.7212	0.0075
123	2.7286	0.0075
124	2.7360	0.0074
125	2.7434	0.0074
126	2.7508	0.0073
127	2.7581	0.0073
128	2.7653	0.0073
129	2.7726	0.0072
130	2.7798	0.0072
131	2.7869	0.0072

132	2.7940	0.0071
133	2.8011	0.0071
134	2.8082	0.0070
135	2.8152	0.0070
136	2.8222	0.0070
137	2.8291	0.0069
138	2.8360	0.0069
139	2.8429	0.0069
140	2.8497	0.0068
141	2.8566	0.0068
142	2.8633	0.0068
143	2.8701	0.0067
144	2.8768	0.0067
145	2.8835	0.0067
146	2.8901	0.0067
147	2.8968	0.0066
148	2.9034	0.0066
149	2.9099	0.0066
150	2.9165	0.0065
151	2.9230	0.0065
152	2.9295	0.0065
153	2.9359	0.0065
154	2.9423	0.0064
155	2.9487	0.0064
156	2.9551	0.0064
157	2.9614	0.0063
158	2.9678	0.0063
159	2.9740	0.0063
160	2.9803	0.0063
161	2.9865	0.0062
162	2.9928	0.0062
163	2.9989	0.0062
164	3.0051	0.0062
165	3.0112	0.0061
166	3.0173	0.0061
167	3.0234	0.0061
168	3.0295	0.0061
169	3.0355	0.0060
170	3.0415	0.0060
171	3.0475	0.0060
172	3.0535	0.0060
173	3.0594	0.0059
174	3.0654	0.0059
175	3.0713	0.0059
176	3.0771	0.0059
177	3.0830	0.0059
178	3.0888	0.0058
179	3.0946	0.0058
180	3.1004	0.0058
181	3.1062	0.0058

182	3.1119	0.0057
183	3.1177	0.0057
184	3.1234	0.0057
185	3.1291	0.0057
186	3.1347	0.0057
187	3.1404	0.0056
188	3.1460	0.0056
189	3.1516	0.0056
190	3.1572	0.0056
191	3.1627	0.0056
192	3.1683	0.0055
193	3.1738	0.0055
194	3.1793	0.0055
195	3.1848	0.0055
196	3.1903	0.0055
197	3.1957	0.0055
198	3.2012	0.0054
199	3.2066	0.0054
200	3.2120	0.0054
201	3.2174	0.0054
202	3.2227	0.0054
203	3.2281	0.0053
204	3.2334	0.0053
205	3.2387	0.0053
206	3.2440	0.0053
207	3.2493	0.0053
208	3.2545	0.0053
209	3.2598	0.0052
210	3.2650	0.0052
211	3.2702	0.0052
212	3.2754	0.0052
213	3.2806	0.0052
214	3.2857	0.0052
215	3.2909	0.0051
216	3.2960	0.0051
217	3.3011	0.0051
218	3.3062	0.0051
219	3.3113	0.0051
220	3.3163	0.0051
221	3.3214	0.0050
222	3.3264	0.0050
223	3.3314	0.0050
224	3.3364	0.0050
225	3.3414	0.0050
226	3.3464	0.0050
227	3.3514	0.0050
228	3.3563	0.0049
229	3.3612	0.0049
230	3.3662	0.0049
231	3.3711	0.0049

232	3.3760	0.0049
233	3.3808	0.0049
234	3.3857	0.0049
235	3.3905	0.0048
236	3.3954	0.0048
237	3.4002	0.0048
238	3.4050	0.0048
239	3.4098	0.0048
240	3.4146	0.0048
241	3.4193	0.0048
242	3.4241	0.0048
243	3.4288	0.0047
244	3.4336	0.0047
245	3.4383	0.0047
246	3.4430	0.0047
247	3.4477	0.0047
248	3.4523	0.0047
249	3.4570	0.0047
250	3.4617	0.0047
251	3.4663	0.0046
252	3.4709	0.0046
253	3.4755	0.0046
254	3.4801	0.0046
255	3.4847	0.0046
256	3.4893	0.0046
257	3.4939	0.0046
258	3.4984	0.0046
259	3.5030	0.0045
260	3.5075	0.0045
261	3.5120	0.0045
262	3.5165	0.0045
263	3.5210	0.0045
264	3.5255	0.0045
265	3.5300	0.0045
266	3.5345	0.0045
267	3.5389	0.0045
268	3.5433	0.0044
269	3.5478	0.0044
270	3.5522	0.0044
271	3.5566	0.0044
272	3.5610	0.0044
273	3.5654	0.0044
274	3.5698	0.0044
275	3.5741	0.0044
276	3.5785	0.0044
277	3.5828	0.0043
278	3.5872	0.0043
279	3.5915	0.0043
280	3.5958	0.0043
281	3.6001	0.0043

282	3.6044	0.0043
283	3.6087	0.0043
284	3.6130	0.0043
285	3.6172	0.0043
286	3.6215	0.0043
287	3.6257	0.0042
288	3.6299	0.0042

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0042	0.0010	0.0032
2	0.0042	0.0010	0.0032
3	0.0043	0.0010	0.0032
4	0.0043	0.0010	0.0032
5	0.0043	0.0010	0.0033
6	0.0043	0.0010	0.0033
7	0.0043	0.0010	0.0033
8	0.0043	0.0010	0.0033
9	0.0044	0.0011	0.0033
10	0.0044	0.0011	0.0033
11	0.0044	0.0011	0.0033
12	0.0044	0.0011	0.0033
13	0.0044	0.0011	0.0033
14	0.0044	0.0011	0.0034
15	0.0045	0.0011	0.0034
16	0.0045	0.0011	0.0034
17	0.0045	0.0011	0.0034
18	0.0045	0.0011	0.0034
19	0.0045	0.0011	0.0034
20	0.0045	0.0011	0.0034
21	0.0046	0.0011	0.0035
22	0.0046	0.0011	0.0035
23	0.0046	0.0011	0.0035
24	0.0046	0.0011	0.0035
25	0.0046	0.0011	0.0035
26	0.0046	0.0011	0.0035
27	0.0047	0.0011	0.0035
28	0.0047	0.0011	0.0035
29	0.0047	0.0011	0.0036
30	0.0047	0.0011	0.0036
31	0.0047	0.0011	0.0036
32	0.0048	0.0012	0.0036
33	0.0048	0.0012	0.0036
34	0.0048	0.0012	0.0036
35	0.0048	0.0012	0.0037
36	0.0048	0.0012	0.0037
37	0.0049	0.0012	0.0037
38	0.0049	0.0012	0.0037

39	0.0049	0.0012	0.0037
40	0.0049	0.0012	0.0037
41	0.0049	0.0012	0.0037
42	0.0050	0.0012	0.0038
43	0.0050	0.0012	0.0038
44	0.0050	0.0012	0.0038
45	0.0050	0.0012	0.0038
46	0.0050	0.0012	0.0038
47	0.0051	0.0012	0.0038
48	0.0051	0.0012	0.0039
49	0.0051	0.0012	0.0039
50	0.0051	0.0012	0.0039
51	0.0052	0.0013	0.0039
52	0.0052	0.0013	0.0039
53	0.0052	0.0013	0.0040
54	0.0052	0.0013	0.0040
55	0.0053	0.0013	0.0040
56	0.0053	0.0013	0.0040
57	0.0053	0.0013	0.0040
58	0.0053	0.0013	0.0040
59	0.0054	0.0013	0.0041
60	0.0054	0.0013	0.0041
61	0.0054	0.0013	0.0041
62	0.0055	0.0013	0.0041
63	0.0055	0.0013	0.0042
64	0.0055	0.0013	0.0042
65	0.0055	0.0013	0.0042
66	0.0056	0.0013	0.0042
67	0.0056	0.0014	0.0042
68	0.0056	0.0014	0.0043
69	0.0057	0.0014	0.0043
70	0.0057	0.0014	0.0043
71	0.0057	0.0014	0.0043
72	0.0057	0.0014	0.0044
73	0.0058	0.0014	0.0044
74	0.0058	0.0014	0.0044
75	0.0059	0.0014	0.0044
76	0.0059	0.0014	0.0045
77	0.0059	0.0014	0.0045
78	0.0059	0.0014	0.0045
79	0.0060	0.0015	0.0045
80	0.0060	0.0015	0.0046
81	0.0061	0.0015	0.0046
82	0.0061	0.0015	0.0046
83	0.0061	0.0015	0.0046
84	0.0062	0.0015	0.0047
85	0.0062	0.0015	0.0047
86	0.0062	0.0015	0.0047
87	0.0063	0.0015	0.0048
88	0.0063	0.0015	0.0048

89	0.0064	0.0015	0.0048
90	0.0064	0.0015	0.0048
91	0.0065	0.0016	0.0049
92	0.0065	0.0016	0.0049
93	0.0065	0.0016	0.0050
94	0.0066	0.0016	0.0050
95	0.0066	0.0016	0.0050
96	0.0067	0.0016	0.0050
97	0.0067	0.0016	0.0051
98	0.0067	0.0016	0.0051
99	0.0068	0.0017	0.0052
100	0.0068	0.0017	0.0052
101	0.0069	0.0017	0.0052
102	0.0069	0.0017	0.0053
103	0.0070	0.0017	0.0053
104	0.0070	0.0017	0.0053
105	0.0071	0.0017	0.0054
106	0.0072	0.0017	0.0054
107	0.0072	0.0018	0.0055
108	0.0073	0.0018	0.0055
109	0.0073	0.0018	0.0056
110	0.0074	0.0018	0.0056
111	0.0075	0.0018	0.0057
112	0.0075	0.0018	0.0057
113	0.0076	0.0018	0.0057
114	0.0076	0.0018	0.0058
115	0.0077	0.0019	0.0058
116	0.0078	0.0019	0.0059
117	0.0079	0.0019	0.0059
118	0.0079	0.0019	0.0060
119	0.0080	0.0019	0.0061
120	0.0080	0.0019	0.0061
121	0.0081	0.0020	0.0062
122	0.0082	0.0020	0.0062
123	0.0083	0.0020	0.0063
124	0.0083	0.0020	0.0063
125	0.0085	0.0020	0.0064
126	0.0085	0.0021	0.0065
127	0.0086	0.0021	0.0065
128	0.0087	0.0021	0.0066
129	0.0088	0.0021	0.0067
130	0.0089	0.0021	0.0067
131	0.0090	0.0022	0.0068
132	0.0091	0.0022	0.0069
133	0.0092	0.0022	0.0070
134	0.0093	0.0022	0.0070
135	0.0094	0.0023	0.0071
136	0.0095	0.0023	0.0072
137	0.0096	0.0023	0.0073
138	0.0097	0.0024	0.0074

139	0.0099	0.0024	0.0075
140	0.0099	0.0024	0.0075
141	0.0101	0.0025	0.0077
142	0.0102	0.0025	0.0077
143	0.0104	0.0025	0.0079
144	0.0105	0.0025	0.0079
145	0.0189	0.0046	0.0143
146	0.0190	0.0046	0.0144
147	0.0192	0.0047	0.0146
148	0.0193	0.0047	0.0147
149	0.0196	0.0047	0.0148
150	0.0197	0.0048	0.0149
151	0.0200	0.0048	0.0151
152	0.0201	0.0049	0.0152
153	0.0204	0.0049	0.0154
154	0.0205	0.0050	0.0155
155	0.0208	0.0050	0.0158
156	0.0209	0.0051	0.0159
157	0.0213	0.0051	0.0161
158	0.0214	0.0052	0.0162
159	0.0218	0.0053	0.0165
160	0.0219	0.0053	0.0166
161	0.0223	0.0054	0.0169
162	0.0225	0.0054	0.0170
163	0.0229	0.0055	0.0174
164	0.0231	0.0056	0.0175
165	0.0236	0.0057	0.0179
166	0.0238	0.0058	0.0180
167	0.0243	0.0059	0.0184
168	0.0245	0.0059	0.0186
169	0.0251	0.0061	0.0190
170	0.0254	0.0062	0.0192
171	0.0260	0.0063	0.0197
172	0.0264	0.0064	0.0200
173	0.0271	0.0066	0.0205
174	0.0274	0.0066	0.0208
175	0.0283	0.0068	0.0214
176	0.0287	0.0070	0.0218
177	0.0297	0.0072	0.0225
178	0.0302	0.0073	0.0229
179	0.0314	0.0076	0.0238
180	0.0320	0.0077	0.0242
181	0.0334	0.0081	0.0253
182	0.0342	0.0083	0.0259
183	0.0361	0.0087	0.0273
184	0.0371	0.0090	0.0281
185	0.0202	0.0049	0.0153
186	0.0215	0.0052	0.0163
187	0.0250	0.0061	0.0189
188	0.0273	0.0066	0.0207

189	0.0339	0.0082	0.0257
190	0.0391	0.0095	0.0296
191	0.0593	0.0144	0.0449
192	0.0861	0.0155	0.0706
193	0.3723	0.0155	0.3568
194	0.0467	0.0113	0.0354
195	0.0302	0.0073	0.0229
196	0.0231	0.0056	0.0175
197	0.0383	0.0093	0.0290
198	0.0351	0.0085	0.0266
199	0.0327	0.0079	0.0248
200	0.0308	0.0074	0.0233
201	0.0292	0.0071	0.0221
202	0.0278	0.0067	0.0211
203	0.0267	0.0065	0.0202
204	0.0257	0.0062	0.0195
205	0.0248	0.0060	0.0188
206	0.0240	0.0058	0.0182
207	0.0233	0.0057	0.0177
208	0.0227	0.0055	0.0172
209	0.0221	0.0054	0.0168
210	0.0216	0.0052	0.0164
211	0.0211	0.0051	0.0160
212	0.0206	0.0050	0.0156
213	0.0202	0.0049	0.0153
214	0.0198	0.0048	0.0150
215	0.0195	0.0047	0.0147
216	0.0191	0.0046	0.0145
217	0.0106	0.0026	0.0080
218	0.0103	0.0025	0.0078
219	0.0100	0.0024	0.0076
220	0.0098	0.0024	0.0074
221	0.0096	0.0023	0.0072
222	0.0093	0.0023	0.0071
223	0.0091	0.0022	0.0069
224	0.0089	0.0022	0.0068
225	0.0087	0.0021	0.0066
226	0.0086	0.0021	0.0065
227	0.0084	0.0020	0.0064
228	0.0082	0.0020	0.0062
229	0.0081	0.0020	0.0061
230	0.0079	0.0019	0.0060
231	0.0078	0.0019	0.0059
232	0.0077	0.0019	0.0058
233	0.0075	0.0018	0.0057
234	0.0074	0.0018	0.0056
235	0.0073	0.0018	0.0055
236	0.0072	0.0017	0.0055
237	0.0071	0.0017	0.0054
238	0.0070	0.0017	0.0053

239	0.0069	0.0017	0.0052
240	0.0068	0.0016	0.0051
241	0.0067	0.0016	0.0051
242	0.0066	0.0016	0.0050
243	0.0065	0.0016	0.0049
244	0.0064	0.0016	0.0049
245	0.0063	0.0015	0.0048
246	0.0063	0.0015	0.0047
247	0.0062	0.0015	0.0047
248	0.0061	0.0015	0.0046
249	0.0060	0.0015	0.0046
250	0.0060	0.0014	0.0045
251	0.0059	0.0014	0.0045
252	0.0058	0.0014	0.0044
253	0.0058	0.0014	0.0044
254	0.0057	0.0014	0.0043
255	0.0056	0.0014	0.0043
256	0.0056	0.0014	0.0042
257	0.0055	0.0013	0.0042
258	0.0055	0.0013	0.0041
259	0.0054	0.0013	0.0041
260	0.0054	0.0013	0.0041
261	0.0053	0.0013	0.0040
262	0.0053	0.0013	0.0040
263	0.0052	0.0013	0.0039
264	0.0052	0.0012	0.0039
265	0.0051	0.0012	0.0039
266	0.0051	0.0012	0.0038
267	0.0050	0.0012	0.0038
268	0.0050	0.0012	0.0038
269	0.0049	0.0012	0.0037
270	0.0049	0.0012	0.0037
271	0.0048	0.0012	0.0037
272	0.0048	0.0012	0.0036
273	0.0048	0.0012	0.0036
274	0.0047	0.0011	0.0036
275	0.0047	0.0011	0.0036
276	0.0047	0.0011	0.0035
277	0.0046	0.0011	0.0035
278	0.0046	0.0011	0.0035
279	0.0045	0.0011	0.0034
280	0.0045	0.0011	0.0034
281	0.0045	0.0011	0.0034
282	0.0044	0.0011	0.0034
283	0.0044	0.0011	0.0033
284	0.0044	0.0011	0.0033
285	0.0043	0.0011	0.0033
286	0.0043	0.0010	0.0033
287	0.0043	0.0010	0.0032
288	0.0043	0.0010	0.0032

Total soil rain loss = 0.80(In)
Total effective rainfall = 2.83(In)
Peak flow rate in flood hydrograph = 26.42(CFS)

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0003	0.04	Q				
0+10	0.0020	0.25	Q				
0+15	0.0044	0.34	Q				
0+20	0.0070	0.39	Q				
0+25	0.0099	0.41	Q				
0+30	0.0129	0.43	Q				
0+35	0.0159	0.44	Q				
0+40	0.0190	0.45	Q				
0+45	0.0222	0.46	Q				
0+50	0.0253	0.46	Q				
0+55	0.0285	0.46	Q				
1+ 0	0.0317	0.47	Q				
1+ 5	0.0350	0.47	Q				
1+10	0.0382	0.47	Q				
1+15	0.0414	0.47	Q				
1+20	0.0447	0.47	Q				
1+25	0.0480	0.47	Q				
1+30	0.0513	0.48	Q				
1+35	0.0545	0.48	Q				
1+40	0.0579	0.48	Q				
1+45	0.0612	0.48	Q				
1+50	0.0645	0.48	Q				
1+55	0.0678	0.49	Q				
2+ 0	0.0712	0.49	QV				
2+ 5	0.0746	0.49	QV				
2+10	0.0780	0.49	QV				
2+15	0.0814	0.49	QV				
2+20	0.0848	0.50	QV				
2+25	0.0882	0.50	QV				
2+30	0.0916	0.50	QV				
2+35	0.0951	0.50	QV				
2+40	0.0986	0.50	QV				
2+45	0.1020	0.51	QV				
2+50	0.1055	0.51	QV				
2+55	0.1090	0.51	QV				

3+ 0	0.1126	0.51	QV	|	|	|	|
3+ 5	0.1161	0.51	QV	|	|	|	|
3+10	0.1197	0.52	QV	|	|	|	|
3+15	0.1232	0.52	QV	|	|	|	|
3+20	0.1268	0.52	QV	|	|	|	|
3+25	0.1304	0.52	QV	|	|	|	|
3+30	0.1340	0.53	QV	|	|	|	|
3+35	0.1377	0.53	Q V	|	|	|	|
3+40	0.1413	0.53	Q V	|	|	|	|
3+45	0.1450	0.53	Q V	|	|	|	|
3+50	0.1487	0.53	Q V	|	|	|	|
3+55	0.1524	0.54	Q V	|	|	|	|
4+ 0	0.1561	0.54	Q V	|	|	|	|
4+ 5	0.1598	0.54	Q V	|	|	|	|
4+10	0.1635	0.54	Q V	|	|	|	|
4+15	0.1673	0.55	Q V	|	|	|	|
4+20	0.1711	0.55	Q V	|	|	|	|
4+25	0.1749	0.55	Q V	|	|	|	|
4+30	0.1787	0.55	Q V	|	|	|	|
4+35	0.1825	0.56	Q V	|	|	|	|
4+40	0.1864	0.56	Q V	|	|	|	|
4+45	0.1903	0.56	Q V	|	|	|	|
4+50	0.1942	0.57	Q V	|	|	|	|
4+55	0.1981	0.57	Q V	|	|	|	|
5+ 0	0.2020	0.57	Q V	|	|	|	|
5+ 5	0.2060	0.57	Q V	|	|	|	|
5+10	0.2099	0.58	Q V	|	|	|	|
5+15	0.2139	0.58	Q V	|	|	|	|
5+20	0.2179	0.58	Q V	|	|	|	|
5+25	0.2220	0.59	Q V	|	|	|	|
5+30	0.2260	0.59	Q V	|	|	|	|
5+35	0.2301	0.59	Q V	|	|	|	|
5+40	0.2342	0.59	Q V	|	|	|	|
5+45	0.2383	0.60	Q V	|	|	|	|
5+50	0.2424	0.60	Q V	|	|	|	|
5+55	0.2466	0.60	Q V	|	|	|	|
6+ 0	0.2508	0.61	Q V	|	|	|	|
6+ 5	0.2550	0.61	Q V	|	|	|	|
6+10	0.2592	0.61	Q V	|	|	|	|
6+15	0.2635	0.62	Q V	|	|	|	|
6+20	0.2677	0.62	Q V	|	|	|	|
6+25	0.2720	0.62	Q V	|	|	|	|
6+30	0.2763	0.63	Q V	|	|	|	|
6+35	0.2807	0.63	Q V	|	|	|	|
6+40	0.2851	0.64	Q V	|	|	|	|
6+45	0.2895	0.64	Q V	|	|	|	|
6+50	0.2939	0.64	Q V	|	|	|	|
6+55	0.2983	0.65	Q V	|	|	|	|
7+ 0	0.3028	0.65	Q V	|	|	|	|
7+ 5	0.3073	0.65	Q V	|	|	|	|

7+10	0.3119	0.66	Q	V	|	|	|	|
7+15	0.3164	0.66	Q	V	|	|	|	|
7+20	0.3210	0.67	Q	V	|	|	|	|
7+25	0.3256	0.67	Q	V	|	|	|	|
7+30	0.3303	0.67	Q	V	|	|	|	|
7+35	0.3349	0.68	Q	V	|	|	|	|
7+40	0.3397	0.68	Q	V	|	|	|	|
7+45	0.3444	0.69	Q	V	|	|	|	|
7+50	0.3492	0.69	Q	V	|	|	|	|
7+55	0.3540	0.70	Q	V	|	|	|	|
8+ 0	0.3588	0.70	Q	V	|	|	|	|
8+ 5	0.3637	0.71	Q	V	|	|	|	|
8+10	0.3686	0.71	Q	V	|	|	|	|
8+15	0.3735	0.72	Q	V	|	|	|	|
8+20	0.3784	0.72	Q	V	|	|	|	|
8+25	0.3835	0.73	Q	V	|	|	|	|
8+30	0.3885	0.73	Q	V	|	|	|	|
8+35	0.3936	0.74	Q	V	|	|	|	|
8+40	0.3987	0.74	Q	V	|	|	|	|
8+45	0.4038	0.75	Q	V	|	|	|	|
8+50	0.4090	0.75	|Q	V	|	|	|	|
8+55	0.4142	0.76	|Q	V	|	|	|	|
9+ 0	0.4195	0.76	|Q	V	|	|	|	|
9+ 5	0.4248	0.77	|Q	V	|	|	|	|
9+10	0.4302	0.78	|Q	V	|	|	|	|
9+15	0.4355	0.78	|Q	V	|	|	|	|
9+20	0.4410	0.79	|Q	V	|	|	|	|
9+25	0.4465	0.80	|Q	V	|	|	|	|
9+30	0.4520	0.80	|Q	V	|	|	|	|
9+35	0.4576	0.81	|Q	V	|	|	|	|
9+40	0.4632	0.82	|Q	V	|	|	|	|
9+45	0.4688	0.82	|Q	V	|	|	|	|
9+50	0.4746	0.83	|Q	V	|	|	|	|
9+55	0.4803	0.84	|Q	V	|	|	|	|
10+ 0	0.4861	0.84	|Q	V	|	|	|	|
10+ 5	0.4920	0.85	|Q	V	|	|	|	|
10+10	0.4979	0.86	|Q	V	|	|	|	|
10+15	0.5039	0.87	|Q	V	|	|	|	|
10+20	0.5099	0.88	|Q	V	|	|	|	|
10+25	0.5160	0.88	|Q	V	|	|	|	|
10+30	0.5222	0.89	|Q	V	|	|	|	|
10+35	0.5284	0.90	|Q	V	|	|	|	|
10+40	0.5346	0.91	|Q	V	|	|	|	|
10+45	0.5410	0.92	|Q	V	|	|	|	|
10+50	0.5474	0.93	|Q	V	|	|	|	|
10+55	0.5538	0.94	|Q	V	|	|	|	|
11+ 0	0.5604	0.95	|Q	V	|	|	|	|
11+ 5	0.5670	0.96	|Q	V	|	|	|	|
11+10	0.5736	0.97	|Q	V	|	|	|	|
11+15	0.5804	0.98	|Q	V	|	|	|	|

```
11+20       0.5872      0.99  |Q      V |          |          |          |
11+25       0.5941      1.00  |Q      V |          |          |          |
11+30       0.6011      1.01  |Q      V |          |          |          |
11+35       0.6082      1.03  |Q      V |          |          |          |
11+40       0.6153      1.04  |Q      V |          |          |          |
11+45       0.6225      1.05  |Q       V|          |          |          |
11+50       0.6299      1.06  |Q       V|          |          |          |
11+55       0.6373      1.08  |Q       V|          |          |          |
12+ 0       0.6448      1.09  |Q       V|          |          |          |
12+ 5       0.6530      1.19  |Q       V|          |          |          |
12+10       0.6641      1.60  | Q      V|          |          |          |
12+15       0.6765      1.81  | Q      V|          |          |          |
12+20       0.6896      1.91  | Q       V          |          |          |
12+25       0.7032      1.97  | Q       V          |          |          |
12+30       0.7171      2.02  | Q       V          |          |          |
12+35       0.7313      2.06  | Q       V          |          |          |
12+40       0.7457      2.09  | Q       V          |          |          |
12+45       0.7602      2.12  | Q       |V         |          |          |
12+50       0.7750      2.15  | Q       |V         |          |          |
12+55       0.7900      2.17  | Q       |V         |          |          |
13+ 0       0.8051      2.19  | Q       |V         |          |          |
13+ 5       0.8203      2.22  | Q       |V         |          |          |
13+10       0.8358      2.24  | Q       | V        |          |          |
13+15       0.8514      2.26  |  Q      | V        |          |          |
13+20       0.8672      2.29  |  Q      | V        |          |          |
13+25       0.8831      2.32  |  Q      | V        |          |          |
13+30       0.8993      2.35  |  Q      |  V       |          |          |
13+35       0.9157      2.38  |  Q      |  V       |          |          |
13+40       0.9323      2.41  |  Q      |  V       |          |          |
13+45       0.9491      2.44  |  Q      |  V       |          |          |
13+50       0.9661      2.48  |  Q      |   V      |          |          |
13+55       0.9834      2.51  |  Q      |   V      |          |          |
14+ 0       1.0010      2.55  |  Q      |   V      |          |          |
14+ 5       1.0188      2.59  |  Q      |   V      |          |          |
14+10       1.0369      2.63  |  Q      |    V     |          |          |
14+15       1.0553      2.67  |  Q      |    V     |          |          |
14+20       1.0741      2.73  |  Q      |    V     |          |          |
14+25       1.0932      2.77  |  Q      |    V     |          |          |
14+30       1.1127      2.83  |  Q      |     V    |          |          |
14+35       1.1325      2.88  |  Q      |     V    |          |          |
14+40       1.1528      2.95  |  Q      |     V    |          |          |
14+45       1.1736      3.01  |   Q     |      V   |          |          |
14+50       1.1949      3.09  |   Q     |      V   |          |          |
14+55       1.2166      3.16  |   Q     |      V   |          |          |
15+ 0       1.2390      3.25  |   Q     |       V  |          |          |
15+ 5       1.2621      3.34  |   Q     |       V  |          |          |
15+10       1.2859      3.46  |   Q     |       V  |          |          |
15+15       1.3104      3.57  |   Q     |        V |          |          |
15+20       1.3360      3.71  |   Q     |        V |          |          |
15+25       1.3611      3.66  |   Q     |        V |          |          |
```

15+30	1.3812	2.91	Q		V		
15+35	1.3995	2.65	Q		V		
15+40	1.4182	2.72	Q		V		
15+45	1.4382	2.90	Q		V		
15+50	1.4610	3.32	Q		V		
15+55	1.4881	3.93	Q		V		
16+ 0	1.5256	5.44	Q		V		
16+ 5	1.6043	11.43		Q	V		
16+10	1.7863	26.42			V	Q	
16+15	1.8892	14.94			Q V		
16+20	1.9475	8.46	Q		V		
16+25	1.9886	5.98	Q		V		
16+30	2.0258	5.39	Q		V		
16+35	2.0590	4.82	Q		V		
16+40	2.0882	4.24	Q		V		
16+45	2.1148	3.86	Q		V		
16+50	2.1398	3.64	Q		V		
16+55	2.1625	3.29	Q		V		
17+ 0	2.1830	2.98	Q		V		
17+ 5	2.2027	2.86	Q		V		
17+10	2.2217	2.76	Q		V		
17+15	2.2400	2.67	Q		V		
17+20	2.2578	2.58	Q		V		
17+25	2.2750	2.50	Q		V		
17+30	2.2918	2.43	Q		V		
17+35	2.3080	2.37	Q		V		
17+40	2.3239	2.31	Q		V		
17+45	2.3395	2.26	Q		V		
17+50	2.3547	2.21	Q		V		
17+55	2.3696	2.16	Q		V		
18+ 0	2.3841	2.12	Q		V		
18+ 5	2.3979	2.00	Q		V		
18+10	2.4087	1.56	Q		V		
18+15	2.4179	1.34	Q		V		
18+20	2.4263	1.23	Q		V		
18+25	2.4343	1.15	Q		V		
18+30	2.4418	1.09	Q		V		
18+35	2.4490	1.05	Q		V		
18+40	2.4560	1.01	Q		V		
18+45	2.4628	0.98	Q		V		
18+50	2.4694	0.96	Q		V		
18+55	2.4758	0.93	Q		V		
19+ 0	2.4821	0.91	Q		V		
19+ 5	2.4883	0.90	Q		V		
19+10	2.4944	0.88	Q		V		
19+15	2.5003	0.86	Q		V		
19+20	2.5061	0.85	Q		V		
19+25	2.5119	0.83	Q		V		
19+30	2.5175	0.82	Q		V		
19+35	2.5231	0.81	Q		V		

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19+40       2.5285      0.79  |Q        |         |         |     V   |
19+45       2.5339      0.78  |Q        |         |         |     V   |
19+50       2.5392      0.77  |Q        |         |         |      V  |
19+55       2.5444      0.76  |Q        |         |         |      V  |
20+ 0       2.5495      0.74  Q         |         |         |      V  |
20+ 5       2.5546      0.73  Q         |         |         |      V  |
20+10       2.5595      0.72  Q         |         |         |      V  |
20+15       2.5645      0.71  Q         |         |         |      V  |
20+20       2.5693      0.70  Q         |         |         |      V  |
20+25       2.5741      0.69  Q         |         |         |      V  |
20+30       2.5788      0.69  Q         |         |         |      V  |
20+35       2.5835      0.68  Q         |         |         |      V  |
20+40       2.5881      0.67  Q         |         |         |      V  |
20+45       2.5926      0.66  Q         |         |         |      V  |
20+50       2.5971      0.65  Q         |         |         |      V  |
20+55       2.6015      0.64  Q         |         |         |      V  |
21+ 0       2.6059      0.64  Q         |         |         |      V  |
21+ 5       2.6103      0.63  Q         |         |         |       V |
21+10       2.6145      0.62  Q         |         |         |       V |
21+15       2.6188      0.62  Q         |         |         |       V |
21+20       2.6230      0.61  Q         |         |         |       V |
21+25       2.6271      0.60  Q         |         |         |       V |
21+30       2.6312      0.60  Q         |         |         |       V |
21+35       2.6353      0.59  Q         |         |         |       V |
21+40       2.6393      0.58  Q         |         |         |       V |
21+45       2.6433      0.58  Q         |         |         |       V |
21+50       2.6472      0.57  Q         |         |         |       V |
21+55       2.6511      0.57  Q         |         |         |       V |
22+ 0       2.6550      0.56  Q         |         |         |       V |
22+ 5       2.6588      0.56  Q         |         |         |       V |
22+10       2.6626      0.55  Q         |         |         |       V |
22+15       2.6663      0.55  Q         |         |         |       V |
22+20       2.6701      0.54  Q         |         |         |       V |
22+25       2.6738      0.54  Q         |         |         |       V |
22+30       2.6774      0.53  Q         |         |         |        V|
22+35       2.6810      0.53  Q         |         |         |        V|
22+40       2.6846      0.52  Q         |         |         |        V|
22+45       2.6882      0.52  Q         |         |         |        V|
22+50       2.6917      0.51  Q         |         |         |        V|
22+55       2.6952      0.51  Q         |         |         |        V|
23+ 0       2.6987      0.50  Q         |         |         |        V|
23+ 5       2.7021      0.50  Q         |         |         |        V|
23+10       2.7056      0.50  Q         |         |         |        V|
23+15       2.7089      0.49  Q         |         |         |        V|
23+20       2.7123      0.49  Q         |         |         |        V|
23+25       2.7156      0.48  Q         |         |         |        V|
23+30       2.7190      0.48  Q         |         |         |        V|
23+35       2.7222      0.48  Q         |         |         |        V|
23+40       2.7255      0.47  Q         |         |         |        V|
23+45       2.7287      0.47  Q         |         |         |        V|
```

23+50	2.7320	0.47	Q	|	|	|	V|
23+55	2.7352	0.46	Q	|	|	|	V|
24+ 0	2.7383	0.46	Q	|	|	|	V|
24+ 5	2.7412	0.41	Q	|	|	|	V|
24+10	2.7426	0.21	Q	|	|	|	V|
24+15	2.7434	0.11	Q	|	|	|	V|
24+20	2.7438	0.07	Q	|	|	|	V|
24+25	2.7441	0.04	Q	|	|	|	V|
24+30	2.7443	0.03	Q	|	|	|	V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 09/27/21

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6277

I15 INDUSTRIAL PARK BLDG 3
POSTDEVELOPED 10 YR UNIT HYDROGRAPH SUBAREA C
MGUBBAREINER 2021-09-27
--

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
3.82	1	0.79
Rainfall data for year 10		
3.82	6	2.28
Rainfall data for year 10		
3.82	24	3.63

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
32.0	32.0	3.82	1.000	0.978	0.190	0.186

Area-averaged adjusted loss rate Fm (In/Hr) = 0.186

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
0.73	0.190	32.0	32.0	18.15	0.000
3.09	0.810	98.0	98.0	0.20	0.936

Area-averaged catchment yield fraction, Y = 0.758
Area-averaged low loss fraction, Yb = 0.242
User entry of time of concentration = 0.306 (hours)
++
Watershed area = 3.82(Ac.)
Catchment Lag time = 0.245 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 34.0081
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.186(In/Hr)
Average low loss rate fraction (Yb) = 0.242 (decimal)
DESERT S-Graph Selected
Computed peak 5-minute rainfall = 0.372(In)
Computed peak 30-minute rainfall = 0.638(In)
Specified peak 1-hour rainfall = 0.785(In)
Computed peak 3-hour rainfall = 1.509(In)
Specified peak 6-hour rainfall = 2.280(In)
Specified peak 24-hour rainfall = 3.630(In)

Rainfall depth area reduction factors:
Using a total area of 3.82(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.372(In)
30-minute factor = 1.000 Adjusted rainfall = 0.638(In)
1-hour factor = 1.000 Adjusted rainfall = 0.785(In)
3-hour factor = 1.000 Adjusted rainfall = 1.509(In)
6-hour factor = 1.000 Adjusted rainfall = 2.280(In)
24-hour factor = 1.000 Adjusted rainfall = 3.630(In)

U n i t H y d r o g r a p h
++

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 46.20 (CFS))	
1	2.136	0.987
2	12.478	4.778
3	39.080	12.289
4	58.659	9.045
5	69.125	4.835
6	76.070	3.209
7	81.019	2.286
8	84.761	1.729
9	87.813	1.410
10	90.071	1.043
11	91.928	0.858
12	93.498	0.725
13	94.753	0.580
14	95.829	0.497
15	96.709	0.406
16	97.388	0.314
17	97.907	0.240
18	98.256	0.161
19	98.650	0.182
20	99.058	0.189
21	99.449	0.181
22	99.695	0.114
23	100.000	0.057

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3724	0.3724
2	0.4585	0.0861
3	0.5178	0.0593
4	0.5645	0.0467
5	0.6036	0.0391
6	0.6375	0.0339
7	0.6677	0.0302
8	0.6950	0.0273
9	0.7200	0.0250
10	0.7431	0.0231
11	0.7646	0.0216
12	0.7849	0.0202
13	0.8232	0.0383
14	0.8603	0.0371
15	0.8963	0.0361
16	0.9314	0.0351
17	0.9657	0.0342
18	0.9991	0.0334
19	1.0318	0.0327

20	1.0638	0.0320
21	1.0951	0.0313
22	1.1258	0.0307
23	1.1560	0.0302
24	1.1857	0.0297
25	1.2149	0.0292
26	1.2436	0.0287
27	1.2718	0.0283
28	1.2996	0.0278
29	1.3271	0.0274
30	1.3541	0.0271
31	1.3808	0.0267
32	1.4071	0.0263
33	1.4332	0.0260
34	1.4589	0.0257
35	1.4842	0.0254
36	1.5093	0.0251
37	1.5342	0.0248
38	1.5587	0.0245
39	1.5830	0.0243
40	1.6070	0.0240
41	1.6308	0.0238
42	1.6543	0.0236
43	1.6777	0.0233
44	1.7008	0.0231
45	1.7237	0.0229
46	1.7464	0.0227
47	1.7689	0.0225
48	1.7912	0.0223
49	1.8133	0.0221
50	1.8352	0.0219
51	1.8570	0.0218
52	1.8786	0.0216
53	1.9000	0.0214
54	1.9212	0.0213
55	1.9423	0.0211
56	1.9633	0.0209
57	1.9840	0.0208
58	2.0047	0.0206
59	2.0252	0.0205
60	2.0455	0.0204
61	2.0658	0.0202
62	2.0859	0.0201
63	2.1058	0.0200
64	2.1256	0.0198
65	2.1453	0.0197
66	2.1649	0.0196
67	2.1844	0.0195
68	2.2037	0.0193
69	2.2230	0.0192

70	2.2421	0.0191
71	2.2611	0.0190
72	2.2800	0.0189
73	2.2905	0.0106
74	2.3010	0.0105
75	2.3114	0.0104
76	2.3217	0.0103
77	2.3319	0.0102
78	2.3420	0.0101
79	2.3521	0.0100
80	2.3620	0.0099
81	2.3719	0.0099
82	2.3816	0.0098
83	2.3914	0.0097
84	2.4010	0.0096
85	2.4105	0.0096
86	2.4200	0.0095
87	2.4294	0.0094
88	2.4387	0.0093
89	2.4480	0.0093
90	2.4572	0.0092
91	2.4663	0.0091
92	2.4754	0.0091
93	2.4844	0.0090
94	2.4933	0.0089
95	2.5022	0.0089
96	2.5110	0.0088
97	2.5197	0.0087
98	2.5284	0.0087
99	2.5370	0.0086
100	2.5456	0.0086
101	2.5541	0.0085
102	2.5626	0.0085
103	2.5710	0.0084
104	2.5793	0.0083
105	2.5876	0.0083
106	2.5959	0.0082
107	2.6040	0.0082
108	2.6122	0.0081
109	2.6203	0.0081
110	2.6283	0.0080
111	2.6363	0.0080
112	2.6442	0.0079
113	2.6521	0.0079
114	2.6600	0.0079
115	2.6678	0.0078
116	2.6756	0.0078
117	2.6833	0.0077
118	2.6909	0.0077
119	2.6986	0.0076

120	2.7062	0.0076
121	2.7137	0.0075
122	2.7212	0.0075
123	2.7287	0.0075
124	2.7361	0.0074
125	2.7435	0.0074
126	2.7508	0.0073
127	2.7581	0.0073
128	2.7654	0.0073
129	2.7726	0.0072
130	2.7798	0.0072
131	2.7870	0.0072
132	2.7941	0.0071
133	2.8012	0.0071
134	2.8082	0.0070
135	2.8152	0.0070
136	2.8222	0.0070
137	2.8292	0.0069
138	2.8361	0.0069
139	2.8429	0.0069
140	2.8498	0.0068
141	2.8566	0.0068
142	2.8634	0.0068
143	2.8701	0.0067
144	2.8768	0.0067
145	2.8835	0.0067
146	2.8902	0.0067
147	2.8968	0.0066
148	2.9034	0.0066
149	2.9100	0.0066
150	2.9165	0.0065
151	2.9230	0.0065
152	2.9295	0.0065
153	2.9360	0.0065
154	2.9424	0.0064
155	2.9488	0.0064
156	2.9551	0.0064
157	2.9615	0.0063
158	2.9678	0.0063
159	2.9741	0.0063
160	2.9804	0.0063
161	2.9866	0.0062
162	2.9928	0.0062
163	2.9990	0.0062
164	3.0051	0.0062
165	3.0113	0.0061
166	3.0174	0.0061
167	3.0235	0.0061
168	3.0295	0.0061
169	3.0356	0.0060

170	3.0416	0.0060
171	3.0476	0.0060
172	3.0535	0.0060
173	3.0595	0.0059
174	3.0654	0.0059
175	3.0713	0.0059
176	3.0772	0.0059
177	3.0830	0.0059
178	3.0889	0.0058
179	3.0947	0.0058
180	3.1005	0.0058
181	3.1062	0.0058
182	3.1120	0.0057
183	3.1177	0.0057
184	3.1234	0.0057
185	3.1291	0.0057
186	3.1348	0.0057
187	3.1404	0.0056
188	3.1460	0.0056
189	3.1516	0.0056
190	3.1572	0.0056
191	3.1628	0.0056
192	3.1683	0.0055
193	3.1739	0.0055
194	3.1794	0.0055
195	3.1849	0.0055
196	3.1903	0.0055
197	3.1958	0.0055
198	3.2012	0.0054
199	3.2066	0.0054
200	3.2120	0.0054
201	3.2174	0.0054
202	3.2228	0.0054
203	3.2281	0.0053
204	3.2334	0.0053
205	3.2387	0.0053
206	3.2440	0.0053
207	3.2493	0.0053
208	3.2546	0.0053
209	3.2598	0.0052
210	3.2650	0.0052
211	3.2702	0.0052
212	3.2754	0.0052
213	3.2806	0.0052
214	3.2858	0.0052
215	3.2909	0.0051
216	3.2960	0.0051
217	3.3011	0.0051
218	3.3062	0.0051
219	3.3113	0.0051

220	3.3164	0.0051
221	3.3214	0.0050
222	3.3265	0.0050
223	3.3315	0.0050
224	3.3365	0.0050
225	3.3415	0.0050
226	3.3465	0.0050
227	3.3514	0.0050
228	3.3564	0.0049
229	3.3613	0.0049
230	3.3662	0.0049
231	3.3711	0.0049
232	3.3760	0.0049
233	3.3809	0.0049
234	3.3857	0.0049
235	3.3906	0.0048
236	3.3954	0.0048
237	3.4002	0.0048
238	3.4050	0.0048
239	3.4098	0.0048
240	3.4146	0.0048
241	3.4194	0.0048
242	3.4241	0.0048
243	3.4289	0.0047
244	3.4336	0.0047
245	3.4383	0.0047
246	3.4430	0.0047
247	3.4477	0.0047
248	3.4524	0.0047
249	3.4570	0.0047
250	3.4617	0.0047
251	3.4663	0.0046
252	3.4710	0.0046
253	3.4756	0.0046
254	3.4802	0.0046
255	3.4848	0.0046
256	3.4893	0.0046
257	3.4939	0.0046
258	3.4985	0.0046
259	3.5030	0.0045
260	3.5075	0.0045
261	3.5121	0.0045
262	3.5166	0.0045
263	3.5211	0.0045
264	3.5256	0.0045
265	3.5300	0.0045
266	3.5345	0.0045
267	3.5389	0.0045
268	3.5434	0.0044
269	3.5478	0.0044

270	3.5522	0.0044
271	3.5566	0.0044
272	3.5610	0.0044
273	3.5654	0.0044
274	3.5698	0.0044
275	3.5742	0.0044
276	3.5785	0.0044
277	3.5829	0.0043
278	3.5872	0.0043
279	3.5915	0.0043
280	3.5958	0.0043
281	3.6001	0.0043
282	3.6044	0.0043
283	3.6087	0.0043
284	3.6130	0.0043
285	3.6173	0.0043
286	3.6215	0.0043
287	3.6257	0.0042
288	3.6300	0.0042

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0042	0.0010	0.0032
2	0.0042	0.0010	0.0032
3	0.0043	0.0010	0.0032
4	0.0043	0.0010	0.0032
5	0.0043	0.0010	0.0033
6	0.0043	0.0010	0.0033
7	0.0043	0.0010	0.0033
8	0.0043	0.0010	0.0033
9	0.0044	0.0011	0.0033
10	0.0044	0.0011	0.0033
11	0.0044	0.0011	0.0033
12	0.0044	0.0011	0.0033
13	0.0044	0.0011	0.0033
14	0.0044	0.0011	0.0034
15	0.0045	0.0011	0.0034
16	0.0045	0.0011	0.0034
17	0.0045	0.0011	0.0034
18	0.0045	0.0011	0.0034
19	0.0045	0.0011	0.0034
20	0.0045	0.0011	0.0034
21	0.0046	0.0011	0.0035
22	0.0046	0.0011	0.0035
23	0.0046	0.0011	0.0035
24	0.0046	0.0011	0.0035
25	0.0046	0.0011	0.0035
26	0.0046	0.0011	0.0035

27	0.0047	0.0011	0.0035
28	0.0047	0.0011	0.0035
29	0.0047	0.0011	0.0036
30	0.0047	0.0011	0.0036
31	0.0047	0.0011	0.0036
32	0.0048	0.0012	0.0036
33	0.0048	0.0012	0.0036
34	0.0048	0.0012	0.0036
35	0.0048	0.0012	0.0037
36	0.0048	0.0012	0.0037
37	0.0049	0.0012	0.0037
38	0.0049	0.0012	0.0037
39	0.0049	0.0012	0.0037
40	0.0049	0.0012	0.0037
41	0.0049	0.0012	0.0037
42	0.0050	0.0012	0.0038
43	0.0050	0.0012	0.0038
44	0.0050	0.0012	0.0038
45	0.0050	0.0012	0.0038
46	0.0050	0.0012	0.0038
47	0.0051	0.0012	0.0038
48	0.0051	0.0012	0.0039
49	0.0051	0.0012	0.0039
50	0.0051	0.0012	0.0039
51	0.0052	0.0013	0.0039
52	0.0052	0.0013	0.0039
53	0.0052	0.0013	0.0040
54	0.0052	0.0013	0.0040
55	0.0053	0.0013	0.0040
56	0.0053	0.0013	0.0040
57	0.0053	0.0013	0.0040
58	0.0053	0.0013	0.0040
59	0.0054	0.0013	0.0041
60	0.0054	0.0013	0.0041
61	0.0054	0.0013	0.0041
62	0.0055	0.0013	0.0041
63	0.0055	0.0013	0.0042
64	0.0055	0.0013	0.0042
65	0.0055	0.0013	0.0042
66	0.0056	0.0013	0.0042
67	0.0056	0.0014	0.0042
68	0.0056	0.0014	0.0043
69	0.0057	0.0014	0.0043
70	0.0057	0.0014	0.0043
71	0.0057	0.0014	0.0043
72	0.0057	0.0014	0.0044
73	0.0058	0.0014	0.0044
74	0.0058	0.0014	0.0044
75	0.0059	0.0014	0.0044
76	0.0059	0.0014	0.0045

77	0.0059	0.0014	0.0045
78	0.0059	0.0014	0.0045
79	0.0060	0.0015	0.0045
80	0.0060	0.0015	0.0046
81	0.0061	0.0015	0.0046
82	0.0061	0.0015	0.0046
83	0.0061	0.0015	0.0046
84	0.0062	0.0015	0.0047
85	0.0062	0.0015	0.0047
86	0.0062	0.0015	0.0047
87	0.0063	0.0015	0.0048
88	0.0063	0.0015	0.0048
89	0.0064	0.0015	0.0048
90	0.0064	0.0015	0.0048
91	0.0065	0.0016	0.0049
92	0.0065	0.0016	0.0049
93	0.0065	0.0016	0.0050
94	0.0066	0.0016	0.0050
95	0.0066	0.0016	0.0050
96	0.0067	0.0016	0.0050
97	0.0067	0.0016	0.0051
98	0.0067	0.0016	0.0051
99	0.0068	0.0016	0.0052
100	0.0068	0.0017	0.0052
101	0.0069	0.0017	0.0052
102	0.0069	0.0017	0.0053
103	0.0070	0.0017	0.0053
104	0.0070	0.0017	0.0053
105	0.0071	0.0017	0.0054
106	0.0072	0.0017	0.0054
107	0.0072	0.0018	0.0055
108	0.0073	0.0018	0.0055
109	0.0073	0.0018	0.0056
110	0.0074	0.0018	0.0056
111	0.0075	0.0018	0.0057
112	0.0075	0.0018	0.0057
113	0.0076	0.0018	0.0057
114	0.0076	0.0018	0.0058
115	0.0077	0.0019	0.0058
116	0.0078	0.0019	0.0059
117	0.0079	0.0019	0.0059
118	0.0079	0.0019	0.0060
119	0.0080	0.0019	0.0061
120	0.0080	0.0019	0.0061
121	0.0081	0.0020	0.0062
122	0.0082	0.0020	0.0062
123	0.0083	0.0020	0.0063
124	0.0083	0.0020	0.0063
125	0.0085	0.0020	0.0064
126	0.0085	0.0021	0.0065

127	0.0086	0.0021	0.0065
128	0.0087	0.0021	0.0066
129	0.0088	0.0021	0.0067
130	0.0089	0.0021	0.0067
131	0.0090	0.0022	0.0068
132	0.0091	0.0022	0.0069
133	0.0092	0.0022	0.0070
134	0.0093	0.0022	0.0070
135	0.0094	0.0023	0.0071
136	0.0095	0.0023	0.0072
137	0.0096	0.0023	0.0073
138	0.0097	0.0024	0.0074
139	0.0099	0.0024	0.0075
140	0.0099	0.0024	0.0075
141	0.0101	0.0025	0.0077
142	0.0102	0.0025	0.0077
143	0.0104	0.0025	0.0079
144	0.0105	0.0025	0.0079
145	0.0189	0.0046	0.0143
146	0.0190	0.0046	0.0144
147	0.0192	0.0047	0.0146
148	0.0193	0.0047	0.0147
149	0.0196	0.0047	0.0148
150	0.0197	0.0048	0.0149
151	0.0200	0.0048	0.0151
152	0.0201	0.0049	0.0152
153	0.0204	0.0049	0.0154
154	0.0205	0.0050	0.0155
155	0.0208	0.0050	0.0158
156	0.0209	0.0051	0.0159
157	0.0213	0.0051	0.0161
158	0.0214	0.0052	0.0162
159	0.0218	0.0053	0.0165
160	0.0219	0.0053	0.0166
161	0.0223	0.0054	0.0169
162	0.0225	0.0054	0.0170
163	0.0229	0.0055	0.0174
164	0.0231	0.0056	0.0175
165	0.0236	0.0057	0.0178
166	0.0238	0.0058	0.0180
167	0.0243	0.0059	0.0184
168	0.0245	0.0059	0.0186
169	0.0251	0.0061	0.0190
170	0.0254	0.0061	0.0192
171	0.0260	0.0063	0.0197
172	0.0263	0.0064	0.0200
173	0.0271	0.0066	0.0205
174	0.0274	0.0066	0.0208
175	0.0283	0.0068	0.0214
176	0.0287	0.0069	0.0217

177	0.0297	0.0072	0.0225
178	0.0302	0.0073	0.0229
179	0.0313	0.0076	0.0238
180	0.0320	0.0077	0.0242
181	0.0334	0.0081	0.0253
182	0.0342	0.0083	0.0259
183	0.0361	0.0087	0.0273
184	0.0371	0.0090	0.0281
185	0.0202	0.0049	0.0153
186	0.0216	0.0052	0.0163
187	0.0250	0.0061	0.0189
188	0.0273	0.0066	0.0207
189	0.0339	0.0082	0.0257
190	0.0391	0.0095	0.0296
191	0.0593	0.0144	0.0449
192	0.0861	0.0155	0.0706
193	0.3724	0.0155	0.3569
194	0.0467	0.0113	0.0354
195	0.0302	0.0073	0.0229
196	0.0231	0.0056	0.0175
197	0.0383	0.0093	0.0290
198	0.0351	0.0085	0.0266
199	0.0327	0.0079	0.0248
200	0.0307	0.0074	0.0233
201	0.0292	0.0071	0.0221
202	0.0278	0.0067	0.0211
203	0.0267	0.0065	0.0202
204	0.0257	0.0062	0.0195
205	0.0248	0.0060	0.0188
206	0.0240	0.0058	0.0182
207	0.0233	0.0057	0.0177
208	0.0227	0.0055	0.0172
209	0.0221	0.0054	0.0168
210	0.0216	0.0052	0.0164
211	0.0211	0.0051	0.0160
212	0.0206	0.0050	0.0156
213	0.0202	0.0049	0.0153
214	0.0198	0.0048	0.0150
215	0.0195	0.0047	0.0147
216	0.0191	0.0046	0.0145
217	0.0106	0.0026	0.0080
218	0.0103	0.0025	0.0078
219	0.0100	0.0024	0.0076
220	0.0098	0.0024	0.0074
221	0.0096	0.0023	0.0072
222	0.0093	0.0023	0.0071
223	0.0091	0.0022	0.0069
224	0.0089	0.0022	0.0068
225	0.0087	0.0021	0.0066
226	0.0086	0.0021	0.0065

227	0.0084	0.0020	0.0064
228	0.0082	0.0020	0.0062
229	0.0081	0.0020	0.0061
230	0.0079	0.0019	0.0060
231	0.0078	0.0019	0.0059
232	0.0077	0.0019	0.0058
233	0.0075	0.0018	0.0057
234	0.0074	0.0018	0.0056
235	0.0073	0.0018	0.0055
236	0.0072	0.0017	0.0055
237	0.0071	0.0017	0.0054
238	0.0070	0.0017	0.0053
239	0.0069	0.0017	0.0052
240	0.0068	0.0016	0.0051
241	0.0067	0.0016	0.0051
242	0.0066	0.0016	0.0050
243	0.0065	0.0016	0.0049
244	0.0064	0.0016	0.0049
245	0.0063	0.0015	0.0048
246	0.0063	0.0015	0.0047
247	0.0062	0.0015	0.0047
248	0.0061	0.0015	0.0046
249	0.0060	0.0015	0.0046
250	0.0060	0.0014	0.0045
251	0.0059	0.0014	0.0045
252	0.0058	0.0014	0.0044
253	0.0058	0.0014	0.0044
254	0.0057	0.0014	0.0043
255	0.0056	0.0014	0.0043
256	0.0056	0.0014	0.0042
257	0.0055	0.0013	0.0042
258	0.0055	0.0013	0.0041
259	0.0054	0.0013	0.0041
260	0.0054	0.0013	0.0041
261	0.0053	0.0013	0.0040
262	0.0053	0.0013	0.0040
263	0.0052	0.0013	0.0039
264	0.0052	0.0012	0.0039
265	0.0051	0.0012	0.0039
266	0.0051	0.0012	0.0038
267	0.0050	0.0012	0.0038
268	0.0050	0.0012	0.0038
269	0.0049	0.0012	0.0037
270	0.0049	0.0012	0.0037
271	0.0048	0.0012	0.0037
272	0.0048	0.0012	0.0036
273	0.0048	0.0012	0.0036
274	0.0047	0.0011	0.0036
275	0.0047	0.0011	0.0036
276	0.0047	0.0011	0.0035

277	0.0046	0.0011	0.0035
278	0.0046	0.0011	0.0035
279	0.0045	0.0011	0.0034
280	0.0045	0.0011	0.0034
281	0.0045	0.0011	0.0034
282	0.0044	0.0011	0.0034
283	0.0044	0.0011	0.0033
284	0.0044	0.0011	0.0033
285	0.0043	0.0011	0.0033
286	0.0043	0.0010	0.0033
287	0.0043	0.0010	0.0032
288	0.0043	0.0010	0.0032

Total soil rain loss = 0.80(In)
Total effective rainfall = 2.83(In)
Peak flow rate in flood hydrograph = 5.77(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

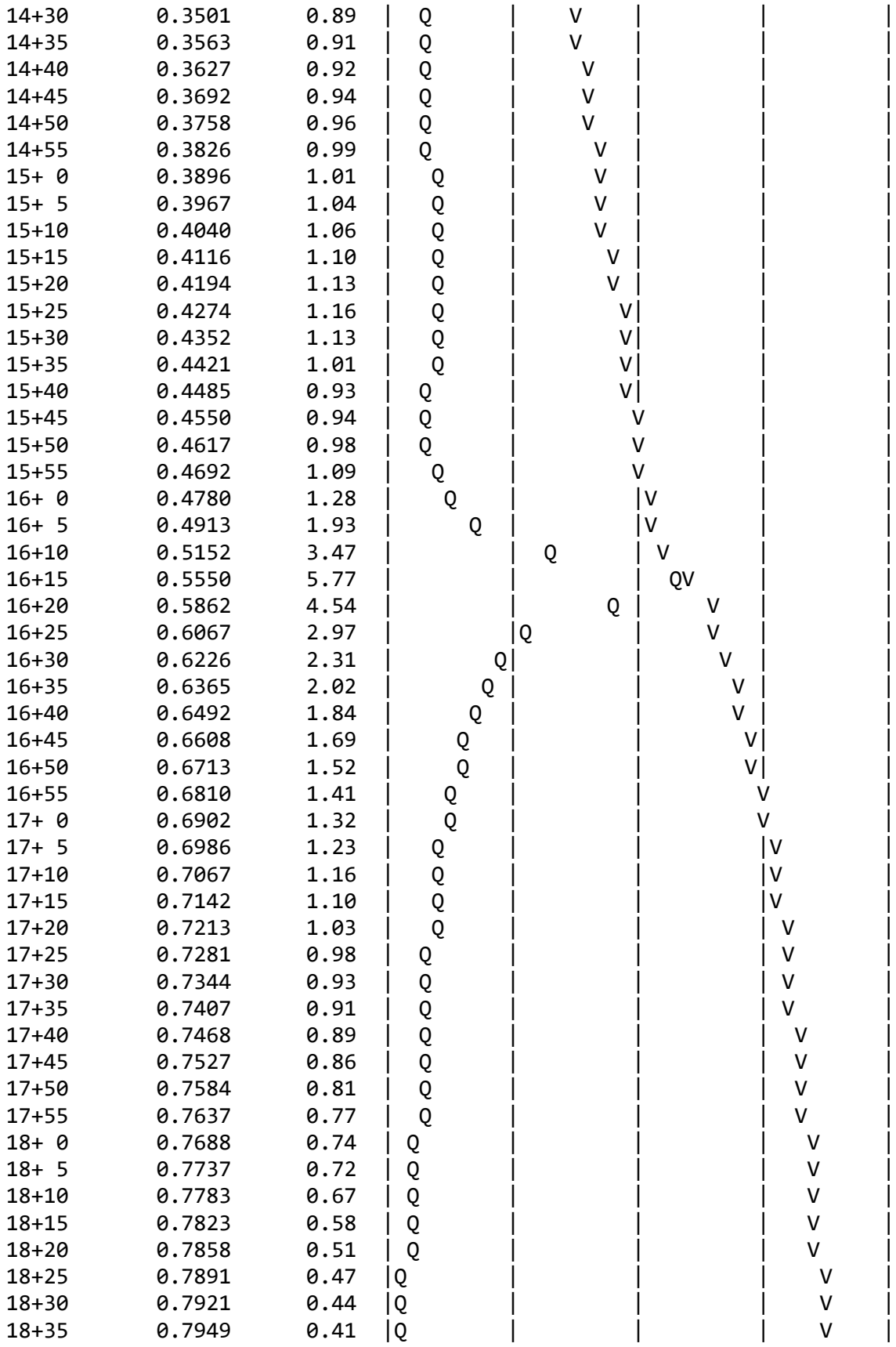
Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q	|	|	|	|
0+10	0.0001	0.02	Q	|	|	|	|
0+15	0.0005	0.06	Q	|	|	|	|
0+20	0.0011	0.09	Q	|	|	|	|
0+25	0.0019	0.10	Q	|	|	|	|
0+30	0.0026	0.11	Q	|	|	|	|
0+35	0.0035	0.12	Q	|	|	|	|
0+40	0.0044	0.13	Q	|	|	|	|
0+45	0.0053	0.13	Q	|	|	|	|
0+50	0.0062	0.14	Q	|	|	|	|
0+55	0.0072	0.14	Q	|	|	|	|
1+ 0	0.0081	0.14	Q	|	|	|	|
1+ 5	0.0091	0.14	Q	|	|	|	|
1+10	0.0101	0.15	Q	|	|	|	|
1+15	0.0112	0.15	Q	|	|	|	|
1+20	0.0122	0.15	Q	|	|	|	|
1+25	0.0132	0.15	Q	|	|	|	|
1+30	0.0143	0.15	Q	|	|	|	|
1+35	0.0154	0.15	Q	|	|	|	|
1+40	0.0164	0.15	Q	|	|	|	|
1+45	0.0175	0.16	Q	|	|	|	|
1+50	0.0186	0.16	Q	|	|	|	|
1+55	0.0197	0.16	Q	|	|	|	|

2+ 0	0.0207	0.16	Q	|	|	|	|
2+ 5	0.0218	0.16	Q	|	|	|	|
2+10	0.0229	0.16	QV	|	|	|	|
2+15	0.0240	0.16	QV	|	|	|	|
2+20	0.0252	0.16	QV	|	|	|	|
2+25	0.0263	0.16	QV	|	|	|	|
2+30	0.0274	0.16	QV	|	|	|	|
2+35	0.0285	0.16	QV	|	|	|	|
2+40	0.0296	0.16	QV	|	|	|	|
2+45	0.0308	0.16	QV	|	|	|	|
2+50	0.0319	0.16	QV	|	|	|	|
2+55	0.0330	0.17	QV	|	|	|	|
3+ 0	0.0342	0.17	QV	|	|	|	|
3+ 5	0.0353	0.17	QV	|	|	|	|
3+10	0.0365	0.17	QV	|	|	|	|
3+15	0.0376	0.17	QV	|	|	|	|
3+20	0.0388	0.17	QV	|	|	|	|
3+25	0.0400	0.17	QV	|	|	|	|
3+30	0.0411	0.17	QV	|	|	|	|
3+35	0.0423	0.17	QV	|	|	|	|
3+40	0.0435	0.17	QV	|	|	|	|
3+45	0.0447	0.17	QV	|	|	|	|
3+50	0.0459	0.17	Q V	|	|	|	|
3+55	0.0471	0.17	Q V	|	|	|	|
4+ 0	0.0483	0.17	Q V	|	|	|	|
4+ 5	0.0495	0.18	Q V	|	|	|	|
4+10	0.0507	0.18	Q V	|	|	|	|
4+15	0.0519	0.18	Q V	|	|	|	|
4+20	0.0532	0.18	Q V	|	|	|	|
4+25	0.0544	0.18	Q V	|	|	|	|
4+30	0.0556	0.18	Q V	|	|	|	|
4+35	0.0569	0.18	Q V	|	|	|	|
4+40	0.0581	0.18	Q V	|	|	|	|
4+45	0.0594	0.18	Q V	|	|	|	|
4+50	0.0606	0.18	Q V	|	|	|	|
4+55	0.0619	0.18	Q V	|	|	|	|
5+ 0	0.0632	0.18	Q V	|	|	|	|
5+ 5	0.0644	0.19	Q V	|	|	|	|
5+10	0.0657	0.19	Q V	|	|	|	|
5+15	0.0670	0.19	Q V	|	|	|	|
5+20	0.0683	0.19	Q V	|	|	|	|
5+25	0.0696	0.19	Q V	|	|	|	|
5+30	0.0709	0.19	Q V	|	|	|	|
5+35	0.0723	0.19	Q V	|	|	|	|
5+40	0.0736	0.19	Q V	|	|	|	|
5+45	0.0749	0.19	Q V	|	|	|	|
5+50	0.0763	0.19	Q V	|	|	|	|
5+55	0.0776	0.20	Q V	|	|	|	|
6+ 0	0.0790	0.20	Q V	|	|	|	|
6+ 5	0.0803	0.20	Q V	|	|	|	|

6+10	0.0817	0.20	Q V	|	|	|	|
6+15	0.0831	0.20	Q V	|	|	|	|
6+20	0.0844	0.20	Q V	|	|	|	|
6+25	0.0858	0.20	Q V	|	|	|	|
6+30	0.0872	0.20	Q V	|	|	|	|
6+35	0.0886	0.20	Q V	|	|	|	|
6+40	0.0900	0.21	Q V	|	|	|	|
6+45	0.0915	0.21	Q V	|	|	|	|
6+50	0.0929	0.21	Q V	|	|	|	|
6+55	0.0943	0.21	Q V	|	|	|	|
7+ 0	0.0958	0.21	Q V	|	|	|	|
7+ 5	0.0972	0.21	Q V	|	|	|	|
7+10	0.0987	0.21	Q V	|	|	|	|
7+15	0.1002	0.21	Q V	|	|	|	|
7+20	0.1017	0.22	Q V	|	|	|	|
7+25	0.1031	0.22	Q V	|	|	|	|
7+30	0.1046	0.22	Q V	|	|	|	|
7+35	0.1062	0.22	Q V	|	|	|	|
7+40	0.1077	0.22	Q V	|	|	|	|
7+45	0.1092	0.22	Q V	|	|	|	|
7+50	0.1107	0.22	Q V	|	|	|	|
7+55	0.1123	0.22	Q V	|	|	|	|
8+ 0	0.1139	0.23	Q V	|	|	|	|
8+ 5	0.1154	0.23	Q V	|	|	|	|
8+10	0.1170	0.23	Q V	|	|	|	|
8+15	0.1186	0.23	Q V	|	|	|	|
8+20	0.1202	0.23	Q V	|	|	|	|
8+25	0.1218	0.23	Q V	|	|	|	|
8+30	0.1234	0.24	Q V	|	|	|	|
8+35	0.1251	0.24	Q V	|	|	|	|
8+40	0.1267	0.24	Q V	|	|	|	|
8+45	0.1284	0.24	Q V	|	|	|	|
8+50	0.1300	0.24	Q V	|	|	|	|
8+55	0.1317	0.24	Q V	|	|	|	|
9+ 0	0.1334	0.25	Q V	|	|	|	|
9+ 5	0.1351	0.25	Q V	|	|	|	|
9+10	0.1369	0.25	Q V	|	|	|	|
9+15	0.1386	0.25	|Q V	|	|	|	|
9+20	0.1403	0.25	|Q V	|	|	|	|
9+25	0.1421	0.26	|Q V	|	|	|	|
9+30	0.1439	0.26	|Q V	|	|	|	|
9+35	0.1457	0.26	|Q V	|	|	|	|
9+40	0.1475	0.26	|Q V	|	|	|	|
9+45	0.1493	0.26	|Q V	|	|	|	|
9+50	0.1511	0.27	|Q V	|	|	|	|
9+55	0.1530	0.27	|Q V	|	|	|	|
10+ 0	0.1548	0.27	|Q V	|	|	|	|
10+ 5	0.1567	0.27	|Q V	|	|	|	|
10+10	0.1586	0.28	|Q V	|	|	|	|
10+15	0.1605	0.28	|Q V	|	|	|	|

```
10+20       0.1625      0.28  |Q     V  |          |          |          |
10+25       0.1644      0.28  |Q     V  |          |          |          |
10+30       0.1664      0.29  |Q     V  |          |          |          |
10+35       0.1684      0.29  |Q     V  |          |          |          |
10+40       0.1704      0.29  |Q     V  |          |          |          |
10+45       0.1724      0.29  |Q     V  |          |          |          |
10+50       0.1745      0.30  |Q     V  |          |          |          |
10+55       0.1765      0.30  |Q     V  |          |          |          |
11+ 0       0.1786      0.30  |Q     V  |          |          |          |
11+ 5       0.1808      0.31  |Q      V |          |          |          |
11+10       0.1829      0.31  |Q      V |          |          |          |
11+15       0.1850      0.31  |Q      V |          |          |          |
11+20       0.1872      0.32  |Q      V |          |          |          |
11+25       0.1894      0.32  |Q      V |          |          |          |
11+30       0.1917      0.32  |Q      V |          |          |          |
11+35       0.1939      0.33  |Q      V |          |          |          |
11+40       0.1962      0.33  |Q      V |          |          |          |
11+45       0.1985      0.34  |Q      V |          |          |          |
11+50       0.2008      0.34  |Q      V |          |          |          |
11+55       0.2032      0.34  |Q       V|          |          |          |
12+ 0       0.2056      0.35  |Q       V|          |          |          |
12+ 5       0.2081      0.36  |Q       V|          |          |          |
12+10       0.2108      0.39  |Q       V|          |          |          |
12+15       0.2140      0.47  |Q       V|          |          |          |
12+20       0.2177      0.54  | Q      V|          |          |          |
12+25       0.2217      0.57  | Q      V|          |          |          |
12+30       0.2258      0.60  | Q       V          |          |          |
12+35       0.2300      0.62  | Q       V          |          |          |
12+40       0.2344      0.63  | Q       V          |          |          |
12+45       0.2388      0.65  | Q       V          |          |          |
12+50       0.2434      0.66  | Q       V          |          |          |
12+55       0.2480      0.67  | Q       |V         |          |          |
13+ 0       0.2527      0.68  | Q       |V         |          |          |
13+ 5       0.2575      0.70  | Q       |V         |          |          |
13+10       0.2624      0.71  | Q       |V         |          |          |
13+15       0.2673      0.72  | Q       |V         |          |          |
13+20       0.2723      0.73  | Q       | V        |          |          |
13+25       0.2774      0.74  | Q       | V        |          |          |
13+30       0.2825      0.74  | Q       | V        |          |          |
13+35       0.2877      0.75  |  Q      | V        |          |          |
13+40       0.2930      0.77  |  Q      |  V       |          |          |
13+45       0.2983      0.78  |  Q      |  V       |          |          |
13+50       0.3037      0.79  |  Q      |  V       |          |          |
13+55       0.3092      0.80  |  Q      |  V       |          |          |
14+ 0       0.3148      0.81  |  Q      |   V      |          |          |
14+ 5       0.3204      0.82  |  Q      |   V      |          |          |
14+10       0.3262      0.83  |  Q      |   V      |          |          |
14+15       0.3320      0.85  |  Q      |   V      |          |          |
14+20       0.3379      0.86  |  Q      |    V     |          |          |
14+25       0.3440      0.87  |  Q      |    V     |          |          |
```



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18+40       0.7977      0.39  |Q        |         |         |    V    |
18+45       0.8002      0.38  |Q        |         |         |    V    |
18+50       0.8027      0.36  |Q        |         |         |    V    |
18+55       0.8051      0.35  |Q        |         |         |    V    |
19+ 0       0.8074      0.34  |Q        |         |         |    V    |
19+ 5       0.8097      0.33  |Q        |         |         |     V   |
19+10       0.8119      0.32  |Q        |         |         |     V   |
19+15       0.8140      0.31  |Q        |         |         |     V   |
19+20       0.8160      0.30  |Q        |         |         |     V   |
19+25       0.8181      0.29  |Q        |         |         |     V   |
19+30       0.8200      0.29  |Q        |         |         |     V   |
19+35       0.8219      0.28  |Q        |         |         |     V   |
19+40       0.8238      0.27  |Q        |         |         |     V   |
19+45       0.8257      0.27  |Q        |         |         |     V   |
19+50       0.8275      0.26  |Q        |         |         |     V   |
19+55       0.8293      0.26  |Q        |         |         |     V   |
20+ 0       0.8310      0.25  |Q        |         |         |     V   |
20+ 5       0.8327      0.25  Q         |         |         |      V  |
20+10       0.8344      0.25  Q         |         |         |      V  |
20+15       0.8361      0.24  Q         |         |         |      V  |
20+20       0.8377      0.24  Q         |         |         |      V  |
20+25       0.8394      0.24  Q         |         |         |      V  |
20+30       0.8410      0.23  Q         |         |         |      V  |
20+35       0.8425      0.23  Q         |         |         |      V  |
20+40       0.8441      0.23  Q         |         |         |      V  |
20+45       0.8456      0.22  Q         |         |         |      V  |
20+50       0.8472      0.22  Q         |         |         |      V  |
20+55       0.8487      0.22  Q         |         |         |      V  |
21+ 0       0.8501      0.22  Q         |         |         |      V  |
21+ 5       0.8516      0.21  Q         |         |         |      V  |
21+10       0.8530      0.21  Q         |         |         |      V  |
21+15       0.8545      0.21  Q         |         |         |       V |
21+20       0.8559      0.21  Q         |         |         |       V |
21+25       0.8573      0.20  Q         |         |         |       V |
21+30       0.8587      0.20  Q         |         |         |       V |
21+35       0.8600      0.20  Q         |         |         |       V |
21+40       0.8614      0.20  Q         |         |         |       V |
21+45       0.8627      0.19  Q         |         |         |       V |
21+50       0.8640      0.19  Q         |         |         |       V |
21+55       0.8654      0.19  Q         |         |         |       V |
22+ 0       0.8666      0.19  Q         |         |         |       V |
22+ 5       0.8679      0.19  Q         |         |         |       V |
22+10       0.8692      0.18  Q         |         |         |       V |
22+15       0.8705      0.18  Q         |         |         |       V |
22+20       0.8717      0.18  Q         |         |         |       V |
22+25       0.8729      0.18  Q         |         |         |       V |
22+30       0.8742      0.18  Q         |         |         |       V |
22+35       0.8754      0.18  Q         |         |         |       V |
22+40       0.8766      0.17  Q         |         |         |        V|
22+45       0.8778      0.17  Q         |         |         |        V|
```

22+50	0.8790	0.17	Q	|	|	|	V|
22+55	0.8801	0.17	Q	|	|	|	V|
23+ 0	0.8813	0.17	Q	|	|	|	V|
23+ 5	0.8824	0.17	Q	|	|	|	V|
23+10	0.8836	0.17	Q	|	|	|	V|
23+15	0.8847	0.16	Q	|	|	|	V|
23+20	0.8858	0.16	Q	|	|	|	V|
23+25	0.8870	0.16	Q	|	|	|	V|
23+30	0.8881	0.16	Q	|	|	|	V|
23+35	0.8892	0.16	Q	|	|	|	V|
23+40	0.8903	0.16	Q	|	|	|	V|
23+45	0.8913	0.16	Q	|	|	|	V|
23+50	0.8924	0.16	Q	|	|	|	V|
23+55	0.8935	0.15	Q	|	|	|	V|
24+ 0	0.8945	0.15	Q	|	|	|	V|
24+ 5	0.8956	0.15	Q	|	|	|	V|
24+10	0.8965	0.13	Q	|	|	|	V|
24+15	0.8971	0.09	Q	|	|	|	V|
24+20	0.8975	0.06	Q	|	|	|	V|
24+25	0.8979	0.05	Q	|	|	|	V|
24+30	0.8981	0.04	Q	|	|	|	V|

SECTION 6.5: Attachment D

Basin Summary Table
Basin Routing Analysis (10-Year Storm)

Basin Requirements		
Storm Event	**Max Flow Allowed (CFS)**	**Required Retention (CF)**
10-Year	22.22	98,340
100-Year	27.89*	98,340

Basin Summary			
Drainage Area	**10-Year Max Flow (CFS)**	**100-Year Max Flow (CFS)**	**Provided Onsite Retention (CF)**
DA B and C (Basin 1 and CMP)	0.00	0.00	-
DA A (Basin 2 and CMP)	0.00	0.00	-
Total	0.00	0.00	445,172

Note: * Calculated Using Data for 25-Year Storm Event

Basin 1 (DA B and C)						
Elevation (ft)	**Surface Area (SF)**	**Depth (ft)**	**Basin Volume (CF)**	**CMP Volume (CF)**	**Volume (ac-ft)**	**Outflow (cfs)**
3588.00*	3,588	0.0	0	445,172	10.22	0.00
3589.00	3,589	1.0	7,045	445,172	10.38	0.00
3590.00**	3,590	2.0	15,410	445,172	10.57	0.00
3591.00***	3,591	3.0	25,167	445,172	10.80	0.00

Basin 2 (DA A)						
Elevation (ft)	**Surface Area (SF)**	**Depth (ft)**	**Basin Volume (CF)**	**CMP Volume (CF)**	**Volume (ac-ft)**	**Outflow (cfs)**
3588.00*	3,596	0.0	0	445,172	10.22	0.00
3589.00	3,597	1.0	6,964	445,172	10.38	0.00
3590.00**	3,598	2.0	15,271	445,172	10.57	0.00
3591.00***	3,599	3.0	24,994	445,172	10.79	0.00

Note: * Bottom of Basin w/ 4.0' of Engineered Soil with 35% Porosity

** Retention Volume

*** Top of Basin

**** The same underground CMP is shared between Basins 1 and 2

Summary Table			
Storm Event	**Storm Volume**	**Volume Retained******	**Max Flow Out (CFS)**
10-Year	182,860	475,853	0.00
100-Year	342,639	475,853	0.00

Drawdown Calculations

Area A **Basin 2**

WQMP Form 4.3-3			
2	0.9	in/hr	
3	2	Factor of Safety	
4	0.45	in/hr	3.6
5	96	hr	
6	3	ft	
7	3		
8	6961.21	sf	
9	4	ft	
10	0.35		
11	0	ft	
12	0		
13	3	DCV	5,929
14	31,412		530%

DCV	5,929	CF	Design Capture Volume		
1	104,677	SF	Site Area		
2	0.81		Imperviousness of Site		
3	0.61		Runoff Coefficient (Rc)		
4	0.458	IN	1hr 2Yr Rainfall	Valley	Desert
5	0.567	IN	Mean 6-hr Precipitation	1.4807	1.2371
6	48	HR	Drawdown Time		
C2=	1.582	24 hr			
	1.963	48 hr			

Area B+C **Basin 1**

WQMP Form 4.3-3			
2	0.7	in/hr	
3	2	Factor of Safety	
4	0.35	in/hr	2.8
5	96	hr	
6	3	ft	
7	3		
8	7044.87	sf	
9	4	ft	
10	0.35		
11	0	ft	
12	0		
13	3	DCV	38,147
14	31,614		83%

DCV	38,147	CF	Design Capture Volume		
1	673,436	SF	Site Area		
2	0.81		Imperviousness of Site		
3	0.61		Runoff Coefficient (Rc)		
4	0.458	IN	1hr 2Yr Rainfall	Valley	Desert
5	0.567	IN	Mean 6-hr Precipitation	1.4807	1.2371
6	48	HR	Drawdown Time		
C2=	1.582	24 hr			
	1.963	48 hr			

Combined DCV
44,076

NOAA ATLAS-14 RAINFALL DATA

	2 YR	10 YR	100 YR
1 HR	0.458	0.785	1.31
6 HR	1.12	1.82	3.05
24 HR	2.11	3.63	6.31

	Basin 1	*Infiltration*	**Basin 2**	*Infiltration*
	Drawdown	*0.7 in/hr*	**Drawdown**	*0.9 in/hr*
Drawdown (hr)	**IN**	**FT**	**IN**	**FT**
24	8.4	0.7	10.8	0.9
48	16.8	1.4	21.6	1.8
72	25.2	2.1	32.4	2.7
96	33.6	**2.8**	43.2	3.6

* Drawdown value selected: 2.8 FT

* 96 HR Drawdown Volume = 2.8 * Surface Area

	CMP Footprint (+6 for stone)	**VOL HOLD**	**Surface Area (SF)**	**96 HR Drawdown (CF)**	**V100**	**Leftover Volume**
1	730 x 116	348,521	84,680	237,104	342,639	
						105,535
2	192 x 26	19,612	4,992	13,978		
3	200 x 26	20,435	5,200	14,560		
4	111 x 33.5	14,704	3,719	10,413		
5	189 x 26	19,303	4,914	13,759		
6	221 x 31	22,597	5,746	16,089		
	total	445,172				36,736
	Basin 1	25,167	7,045	19,726		
	Basin 2	24,994	6,961	19,491		
	total	495,332	123,257	345,120	122,371	-2,481

0 FT of water left in chamber after 96 HR

Appendix G-3

Water Supply Assessment Report

WATER SUPPLY ASSESSMENT REPORT (WSA)

PROJECT:

POPLAR 18
Located at Poplar Street East of Highway 395
In the City of Hesperia

Developer:

POPLAR 35, LLC

Water Purveyor:

City of Hesperia Water District

Prepared by:
Kavous Emami, P.E.
(714) 401-4695

KEC ENGINEERS, INC.

August 2022

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ACRONYMS AND ABBREVIATIONS

AF	acre-feet
AFY	acre-feet per year
AWWA	American Water Works Association
cfs	cubic feet per second
EIR	Environmental Impact Report
GPCD	gallons per capita per day
gpd	gallons per day
GPM	Gallons Per Minute
HGL	Hydraulic Grade Line
HWL	High Water Level
SF	Square feet
MWA	Mojave Water Agency
Project	Poplar 18, at Poplar / State 395 in the City of Hesperia
SB	Senate Bill
SWP	State Water Project
UWMP	Urban Water Management Plan
WSA	Water Supply Assessment

Introduction

The information provided in the preparation of this Water Supply Assessment is mainly obtained from the review of the Hesperia Water District Urban Water Management Plan (2015), Hesperia Water Management Plan (2020), Hesperia Water District Water Master Plan (2015) and information obtained from the City of Hesperia, Planning Department, Engineering Department, and the GIS Department staff.

Water Code Section 10910:

The California Water Code section 10910 commonly known as Senate Bill (SB) 610 requires preparation of a Water Supply Assessment (WSA). As part of that assessment, the public water system shall indicate whether its total projected water supplies available during normal, single-dry, and multiple-dry water years included in the 20-year projection contained in the urban water management plan will meet the projected water demand associated with the proposed project, in addition to the public water system's existing and planned future uses.

Water Code Section 10913. Project:

Section 10913 of the Water Code defines a "Project" for which a WSA must be prepared as any of the following:

a) A proposed residential development of more than 500 dwelling units.

b) A proposed shopping center or business establishment employing more than 1,000 persons or having more than 500,000 square feet of floor space.

c) A proposed commercial office building employing more than 1,000 persons or having more than 250,000 square feet of floor space.

d) A proposed hotel or motel, or both, having more than 500 rooms.

e) A proposed industrial, manufacturing, or processing plant, or industrial park planned to house more than 1,000 persons, occupying more than 40 acres of land or having more than 650,000 square feet of floor area.

f) A mixed-use project that would demand an amount of water equivalent to, or greater than, the amount of water required by a 500-dwelling-unit project.

PPOSED NEW DEVELOPMENT

Project Name:

Poplar 18
At Hwy 395 and Poplar Street
In the City of Hesperia

Developer/Owner:

Poplar 35, LLC
14180 Dallas Parkway
Dallas, TX. 75254

Project Architect:

RGA Office of Architectural Design
15231 Alton Parkway, Suite #100
Irvine, CA. 92618
Tel: (949) 341-0920

Project Civil Engineer:

Westland Group
4150 Concourse, Suit 100
Ontario, CA. 91764

WSA Report by:
KEC Engineers, Inc.
13201 9th Street
Chino, CA. 91710
(714) 401-4695

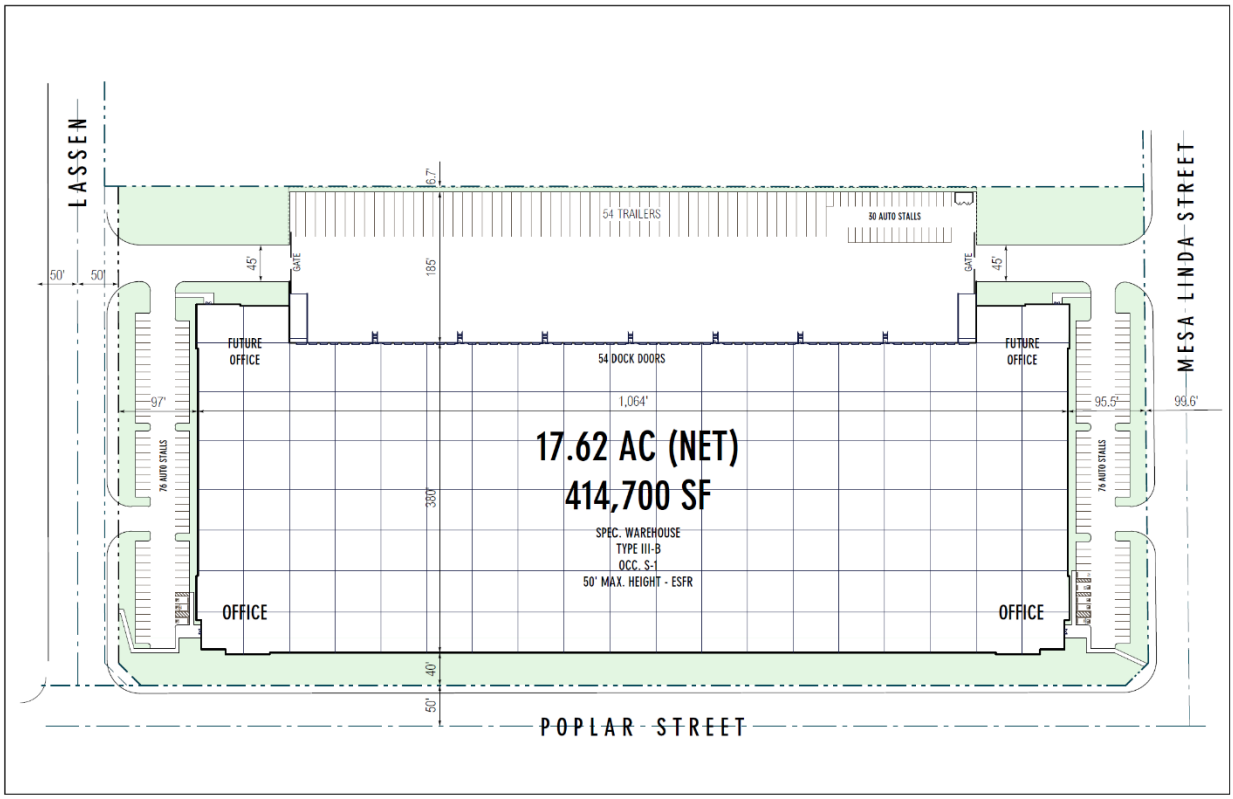
Project Description:

Poplar 18 project is an 18 acre parcel located at Highway 395 and Poplar Street in the City of Hesperia. The proposed development at this site is 414,700 square foot warehouse building. The City's zoning designation for this site is Commercial/Industrial Business Park.



(fig.1) Project Site

EXHIBIT A, Proposed Building Site



Water Purveyor (Hesperia Water District)

The original town site of Hesperia was laid out in 1891 as part of the U.S. and Santa Fe Railroad efforts. Water for the community was provided by Victor Valley County Water District (VVCWD) until 1975, when the Hesperia Water District was formed as a self-governed special district. The City of Hesperia was incorporated in 1988, and in 1992 the District was reorganized as a subsidiary special district of the City. The District operates as a self-sustaining utility business enterprise and the City Council serves as the District's Board of Directors.

The District is located in the High Desert region of San Bernardino County and is bordered by the town of Apple Valley to the northeast, the City of Victorville to the north, and the community of Phelan to the west.

The District's water service area matches the City's boundaries, with minor exceptions, and covers approximately 74 square miles (FIG. 2-1). The District provides domestic water from sixteen (16) active wells within this area. All wells are within Mojave River Ground Water Basin. Water is conveyed from the wells to the consumers via a distribution system with pipe sizes ranging from 4 and 24 inches in diameter. The District currently maintains 14 water storage reservoirs within the distribution system with a total capacity of nearly 200 AF, or 64 million gallons.

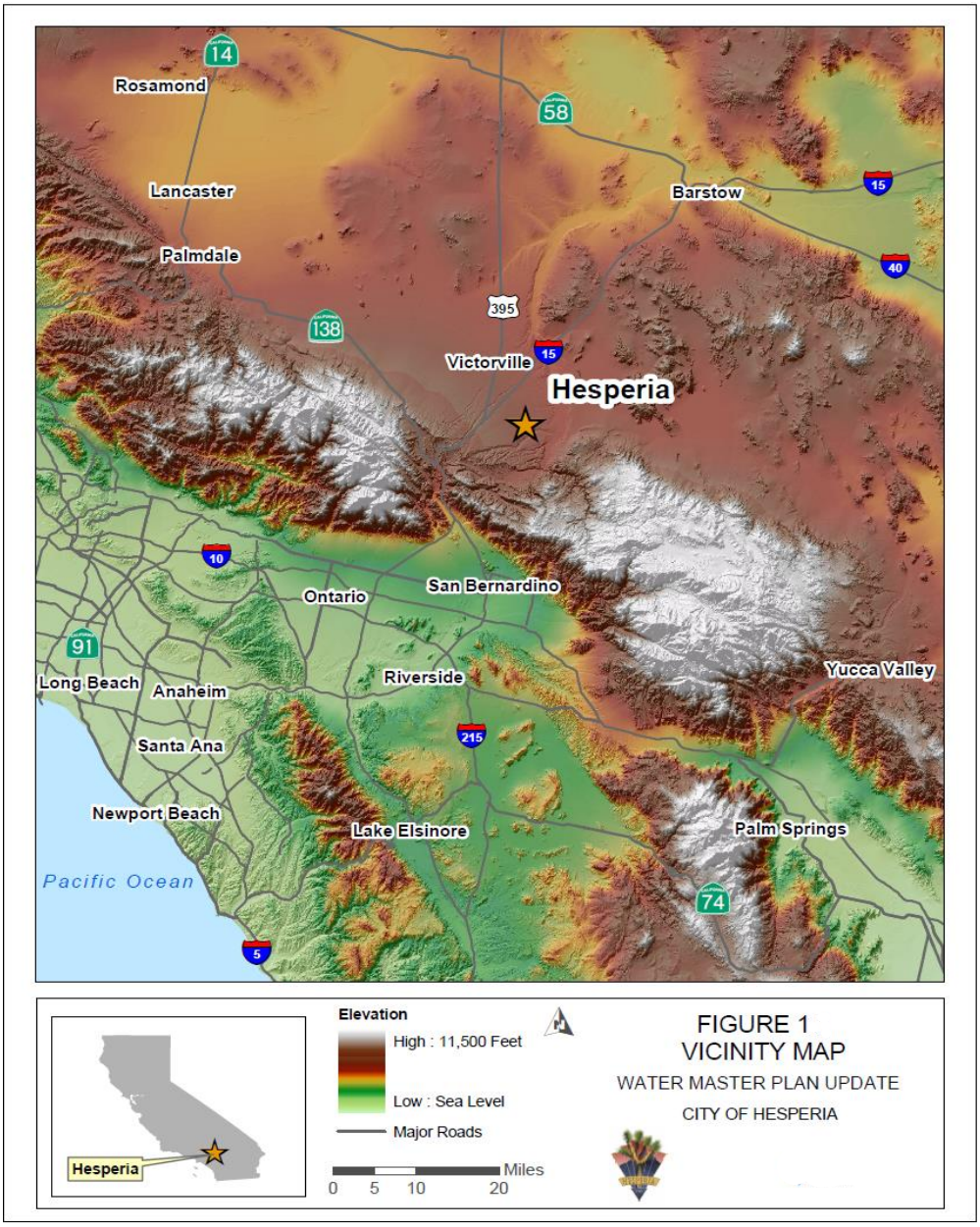

Rosamond
Lancaster
Palmdale
Barstow
Victorville
Hesperia
San Bernardino
Ontario
Riverside
Yucca Valley
Long Beach
Anaheim
Santa Ana
Newport Beach
Lake Elsinore
Palm Springs
Pacific Ocean
Hesperia
Elevation
High : 11,500 Feet
Low : Sea Level
Major Roads
Miles
0 5 10 20
FIGURE 1
VICINITY MAP
WATER MASTER PLAN UPDATE
CITY OF HESPERIA

Figure 2-1. Hesperia Water District Water Service Area[9]

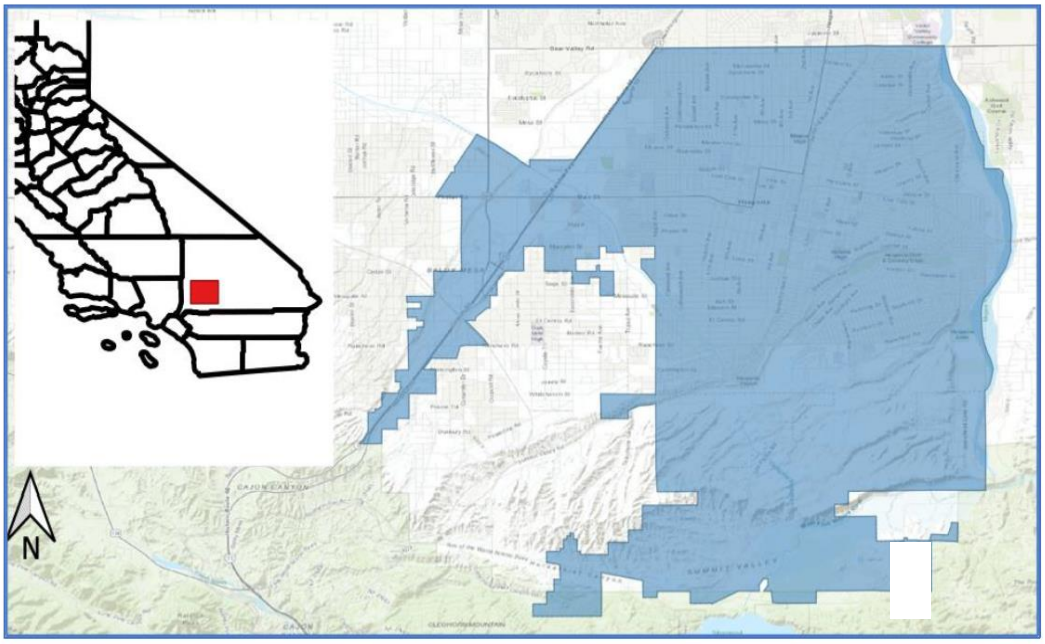


Table 2-1: Customer Water Service Connections

Customer Class	2015	2016	2017	2018	2019	2020
Single Family Residential	24,749	25,243	25,021	25,214	25,347	25,457
Multi-Family Residential	278	359	422	512	517	525
Commercial/Institutional	1,261	965	1,001	1,044	1,057	1049
Industrial	19	19	0	0	0	0
Landscape Irrigation	96	99	105	109	109	118
Other	77	392	489	510	[not in eAR]	[not in eAR]
Total	26,480	27,077	27,038	27,389	27,030	27,149

Current Water Demands:

In 2015, the District produced 12,688 AF of water into the Distribution system. The residential delivery of the metered potable water was 79% of all metered flow. Less than 5% of the total water production was not accounted for due to unmetered flow and/or water losses. Table 4-1 of the 2020 Urban Water Management Plan depict the water demands for different use. This table depicts that demand for the combined commercial and industrial developments were consistently below 15% of the total water

production. Such ratio signifies that the commercial and industrial development will continue to have a low impact on the water system except for the fire protection and or any new establishment requiring high levels of water usage (i.e. bottling, agrarian, meet processing, etc.).

Table 4-1: Potable Customer Use: 2016 to 2019 (values in acre-feet)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Single-Family Residential	2016	708	463	607	562	812	719	1,172	973	1,206	913	911	586	9,632
	2017	684	409	538	487	850	748	1,183	930	1,236	863	910	650	9,487
	2018	765	513	651	483	809	792	1,169	941	1,263	891	922	605	9,802
	2019	665	437	559	416	763	724	980	924	1,241	853	952	600	9,115
Multi-Family Residential	2016	50	14	43	18	72	37	74	64	75	58	84	50	639
	2017	84	54	70	57	87	90	110	84	123	83	95	69	1,006
	2018	86	59	79	63	86	85	112	94	123	92	98	61	1,038
	2019	79	57	67	54	80	86	92	93	124	90	99	62	982
Commercial Institutional	2016	106	59	115	83	163	112	256	152	247	170	189	87	1,739
	2017	119	57	100	81	186	155	243	173	257	142	183	100	1,796
	2018	144	71	123	81	173	140	244	175	266	171	185	78	1,851
	2019	118	54	101	66	154	130	213	168	270	148	211	79	1,711
Landscape Irrigation	2016	23	1	15	2	38	5	64	6	75	7	53	3	292
	2017	25	1	16	2	54	15	76	21	88	7	59	5	368
	2018	38	3	27	3	44	6	88	7	94	7	58	3	378
	2019	26	1	10	1	43	4	72	6	91	6	54	3	316
Other	2016	0	2	3	2	6	6	3	10	8	9	39	10	100
	2017	3	4	5	6	6	4	4	4	4	4	3	6	55
	2018	2	2	3	5	8	6	2	15	7	4	0	0	55
	2019	1	1	0	7	2	7	31	0	8	32	2	1	93
Total Metered Deliveries	2016	888	539	781	668	1,091	879	1,570	1,205	1,610	1,157	1,277	736	12,403
	2017	915	525	729	633	1,183	1,012	1,616	1,213	1,707	1,098	1,250	830	12,712
	2018	1,034	648	883	635	1,120	1,029	1,615	1,232	1,753	1,165	1,263	747	13,124
	2019	889	550	737	544	1,042	951	1,387	1,191	1,735	1,128	1,317	744	12,215

Future Water Demands

Based on the population growth projections provided by Beacon Economics, Mojave Water Agency developed water demand projections by region as well as by purveyor service area, including Hesperia Water District. The MWA methodology utilized historical water production and population data (2010 through 2015) to develop a trend in GPCD that was then applied to the beacon population growth. Using the past historical data MWA projected the water demand in 5- year increments by multiplying the average GPCD to the projected population provided by Beacon Economics.

In accordance with 2020 Urban Water Management Plan (UWMP), the past population growth and the projected population growth for the City of Hesperia are shown in the following tables.

Table 2-2: Population Growth Rate – 2010-2019

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Population	89,742	90,536	91,163	91,280	91,294	92,022	92,732	93,787	94,676	95,905
Growth Rate		0.88%	0.69%	0.13%	0.02%	0.80%	0.77%	1.14%	0.95%	1.30%
Net Growth 2010-2019: 6.67%										
Average Annual Growth: 0.74%										

Table 2-3: Population — Projected (2020 through 2060)

	2020	2025	2030	2035	2040	2045	2050	2055	2060
Hesperia Water District	97,380	107,045	115,279	121,959	128,221	133,910	139,001	143,602	147,734
Annual Growth Rate		9.93%	7.69%	5.79%	5.13%	4.44%	3.80%	3.31%	2.88%

The UWMP for 2020 shows the Daily Per Capita Water Use (GPCD) to be 129 gallons while the District's targeted per capita usage was 184 gallons per capita per day

Water Demand Projection:

Table 4-5: Forecast Future Water Use (values in acre-feet per year)[43]

2020	2025	2030	2035	2040	2045
14,040	15,250	16,290	16,990	17,740	18,420

Water Supplies:

The District has historically utilized ground water as its sole source of water supply, but has implemented and is implementing new projects to diversify its supplies including recycled water and imported State Water Project (SWP). The District pays for a portion of the ground water to the Mojave Basin Area Watermaster for replenishment of the Mojave water Basin. In 2013, the MWA, in partnership with retail water purveyors, completed the regional recharge and Recovery Project known as "R3" (See Figure 3). This project banks SWP in the Mojave River ground water basin and then later recovers and delivers the water, as a potable supply. The District has a direct connection to the R3 project.

Table 3-6: Projected Water Supply Acquisitions through 2045 (AFY)

Projected Water Acquisitions		2025	2030	2035	2040	2045
Normal		4,800	5,833	6,532	7,282	7,963
Single Dry Year		4,896	5,949	6,649	7,399	8,080
Multi-Year Drought	Year 1	4,896	5,949	6,649	7,399	8,080
	Year 2	4,896	5,949	6,649	7,399	8,080
	Year 3	4,896	5,949	6,649	7,399	8,080
	Year 4	4,896	5,949	6,649	7,399	8,080
	Year 5	4,896	5,949	6,649	7,399	8,080

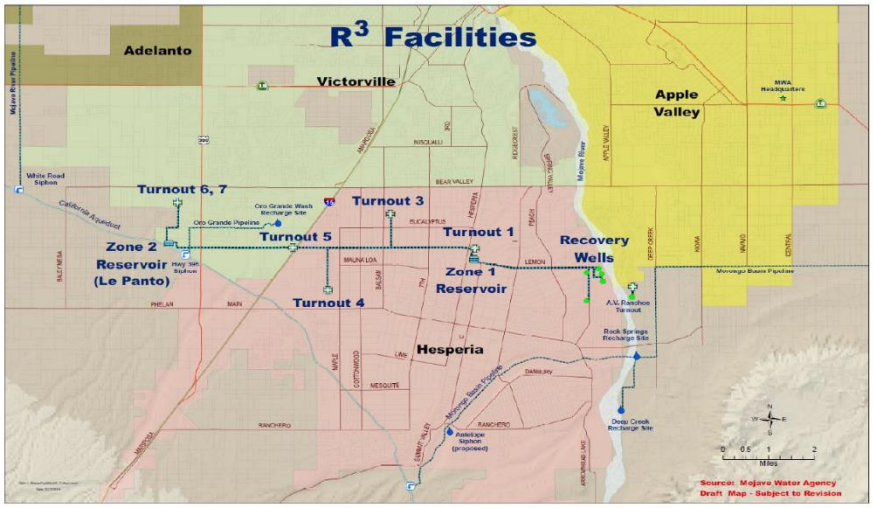


Fig 3. Regional and Recharge Recovery Project

Ground Water Basins

Figure 3-2: Groundwater Basins in Mojave Area

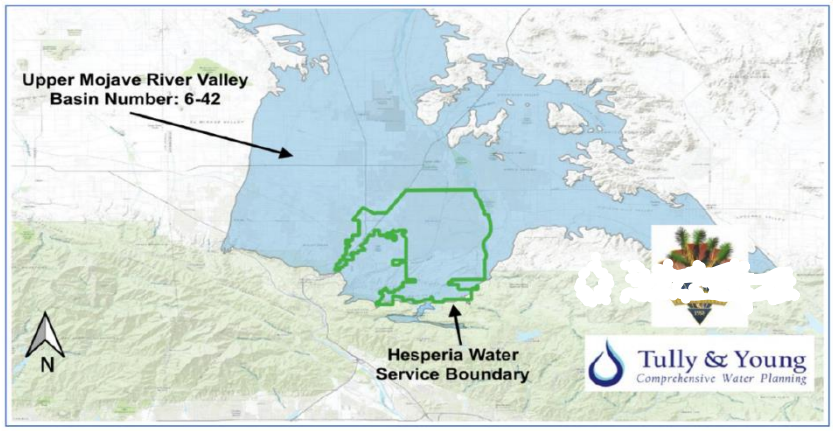
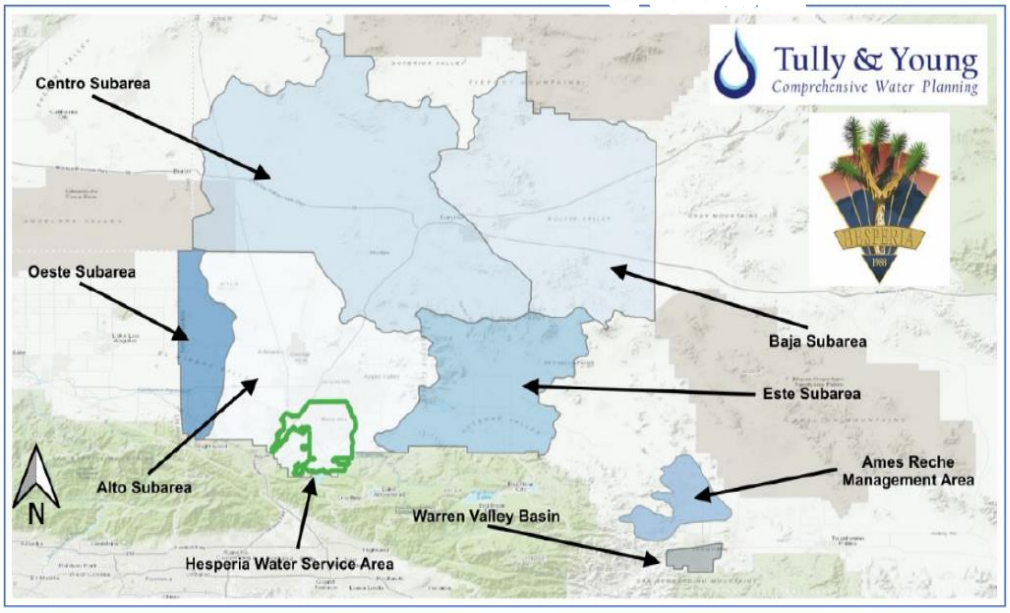


Figure 3-4: Mojave Adjudication Subareas



From: UWMP 2020

The California Department of Water Resources (DWR) Bulletin 118 identifies 36 ground water basins and subbasins within the Mojave region. The groundwater basins along the Mojave River and adjacent areas is referred to as "Mojave Basin Area" (See Figure 3-4 above). The Hesperia water District pumps the groundwater from Alto Subarea, one of the 6 subareas adjudicated within the Mojave Water Basin. In an effort to meet the long term basin sustainability the Mojave Water Agency is charged with managing the Mojave groundwater basin and importing water supplies. In addition, the Court assigned Hesperia and other water producers a Base Annual Production (BAP) of which they could pump a variable percentage of their BAP annually. The Free Production Allowance (FPA) allows Hesperia Water District to pump 55% of their BAP depending on the Basin's water supply. Any water production above the court assigned allocation has to be acquired and paid for by the pumper needing addition water.

The table below depicts the projected water supply acquisition through 2045.

Table 3-6: Projected Water Supply Acquisitions through 2045 (AFY)

Projected Water Acquisitions		2025	2030	2035	2040	2045
Normal		4,800	5,833	6,532	7,282	7,963
Single Dry Year		4,896	5,949	6,649	7,399	8,080
Multi-Year Drought	Year 1	4,896	5,949	6,649	7,399	8,080
	Year 2	4,896	5,949	6,649	7,399	8,080
	Year 3	4,896	5,949	6,649	7,399	8,080
	Year 4	4,896	5,949	6,649	7,399	8,080
	Year 5	4,896	5,949	6,649	7,399	8,080

Pressure Zone:

Poplar 18 project is located in pressure zone #5 and being gravity fed from Plant #30 with three reservoirs (30-1, 30-2, and 30-3) of 15 million gallons combined storage capacity with High Water Level (HWL) of 3852 feet. The highest finished floor elevation of the proposed development is about 3608 feet. This elevation drop from the HWL to the project pad elevation will result in a static water pressure of about 106 psi which necessitate installation of pressure regulator at the potable water service for the proposed warehouse building.

Water Transmission Pipelines:

In accordance with the District's Water Master Plan, Plant #30 has an 18" transmission pipeline from the three reservoirs extending beyond the vicinity of Highway 395 and Poplar Street.

A new water distribution system should be constructed and extended easterly from the existing 18 inch pipeline to supply domestic and fire flow to the proposed Poplar 18 site and provide the required 4000 gpm fire flow at 20 psi residual pressure.

Table 2 – Fire Flow Requirements by Land Use Type

Land Use	Minimum Required Fire Flow (gpm)	Minimum Residual Pressure (psi)	Duration (hrs)	Required Fire Flow Storage (MG)
Single-Family Residential	1,500	20	2	0.18
Multi-Family Residential	2,500	20	2	0.3
Public Facility	3,500	20	3	0.63
Commercial	3,500	20	3	0.63
Industrial	4,000	20	4	0.96
Hospital	4,000	20	4	0.96

Water Distribution pipelines:

A looped On-site water system for serving the proposed warehouse building for domestic and fire flow will be necessary. The on-site water system must be calculated for the size to deliver about 4,020 gpm for fire flow and maximum day demand. The on-site water distribution system are not shown on Fig “1” at this time.

Hesperia Water District Design Criteria:

The District’s recommended water system design criteria from the 2015 Water Master Plan is utilized to establish the water availability serving The Poplar 18 site. The design criteria includes the following:

- Distribution System Criteria
- Pump Station Criteria
- Pressure reducing Valve Criteria
- Storage Criteria

1- The distribution system criteria is to deliver Maximum Day Demand plus 4,000 gpm for the fire flow. Based on the 2015 Water Master Plan The water Duty Factor See Table 3 for industrial park is established at 866 GPD/Unit.

Table 3, Water Duty Factor

Zoning Code	Zoning Description	Area	type	persons per Household	Water		Wastewater	
					Duty Factor (gpd/unit)	GPD/du	Duty Factor (gpd/unit)	GPD/du
AU	Airport Use	General Plan	Commercial	N/A	578	N/A	153	N/A
C1	Neighborhood Commercial	General Plan	Commercial	N/A	578	N/A	153	N/A
C2	General Commercial	General Plan	Commercial	N/A	578	N/A	153	N/A
C3	Service Commercial	General Plan	Commercial	N/A	578	N/A	153	N/A
P-GOVT	Government Facility	General Plan	Commercial	N/A	578	N/A	153	N/A
P-SCHOOL	Public School	General Plan	Commercial	N/A	578	N/A	153	N/A
Rec-Com	Recreational Commercial	General Plan	Commercial	N/A	578	N/A	153	N/A
ASC	Auto Sales Commercial	Main Street/Freeway Corridor	Commercial	N/A	578	N/A	153	N/A
CIBP	Com/Ind Business park	Main Street/Freeway Corridor	Commercial	N/A	578	N/A	153	N/A
MU	Mixed Use	Main Street/Freeway Corridor	Commercial	N/A	578	N/A	153	N/A
NC	Neighborhood Commercial	Main Street/Freeway Corridor	Commercial	N/A	578	N/A	153	N/A
OC	Office Commercial	Main Street/Freeway Corridor	Commercial	N/A	578	N/A	153	N/A
OP	Office Park	Main Street/Freeway Corridor	Commercial	N/A	578	N/A	153	N/A
PC	Pedestrian commercial	Main Street/Freeway Corridor	Commercial	N/A	578	N/A	153	N/A
PIO	Public/Institutional Overlay	Main Street/Freeway Corridor	Commercial	N/A	578	N/A	153	N/A
RC	Regional Commercial	Main Street/Freeway Corridor	Commercial	N/A	578	N/A	153	N/A
L1	Limited Manufacturing	General Plan	Industrial	N/A	866	N/A	230	N/A
L2	General Manufacturing	General Plan	Industrial	N/A	866	N/A	230	N/A
GI	General Industrial	Main Street/Freeway Corridor	Industrial	N/A	866	N/A	230	N/A

Average Day Water Demand and Peaking Factors

866 GPD/AC x18 AC = 15,588 GPD
15588 ÷ 24 = 650 GPH
650 ÷ 60 = 11 gpm (Average Day Demand)
11 x *1.8 = 20 gpm (MDD)

*1.8 is the MDD peaking factor for zone 5

zone	Average Day Demand (mgd)	Maximum Day Demand (mgd)	Operational Storage (MG)	Emergency Storage (MG)	Fire Flow Storage (MG)	Total Storage required	Storage Available (MG)	GW Supply Available @ 90% (MG)	Surplus/ Shortfall (MG)
1	2.0	3.4	1.0	9.9	1.0	11.9	11.5	22.9	22.5
2	5.9	10.2	3.1	29.3	1.0	33.3			
2A	0.1	0.2	0.1	0.7	0.6	1.4			
2B	0.9	1.5	0.5	4.4	1.0	5.8			
2/2A/2B	6.9	12.0	3.6	34.3	1.0	38.9	18.0	10.8	10.1
3	3.5	6.2	1.8	17.7	1.0	20.5	20.0	4.4	3.9
4	0.4	0.8	0.2	2.2	1.0	3.4			
5	1.4	2.5	0.7	7.1	0.6	8.5			
4/5	1.9	3.2	1.0	9.3	1.0	11.3	15.0	0.0	3.7
FC	0.3	0.5	0.2	1.4	0.6	2.2	0.0	0.0	2.2
TOTAL	14.5	25.3	7.6	72.7	4.5	84.8	64.5	38.2	17.9

Table 6 -2025 Storage Requirements

zone	Average Day Demand (mgd)	Maximum Day Demand (mgd)	Operational Storage (MG)	Emergency Storage (MG)	Fire Flow Storage (MG)	Total Storage required	Storage Available (MG)	GW Supply Available @ 90% (MG)	Surplus/ Shortfall (MG)
1	2.0	3.4	1.0	9.9	1.0	11.9	11.5	22.9	22.5
2	5.9	10.2	3.1	29.4	1.0	33.4			
2A	0.1	0.2	0.1	0.7	0.6	1.4			
2B	0.9	1.5	0.5	4.4	1.0	5.8			
2/2A/2B	6.9	12.0	3.6	34.5	1.0	39.1	18.0	10.8	10.2
3	4.4	7.7	2.3	22.0	1.0	25.3	20.0	4.4	0.9
4	0.4	0.8	0.2	2.2	1.0	3.4			
5	1.9	3.3	1.0	9.6	0.6	11.2			
4/5	2.4	4.1	1.2	11.8	1.0	14.0	15.0	0.0	1.0
FC	0.3	0.5	0.2	1.4	0.6	2.2	0.0	0.0	2.2
TOTAL	15.9	27.7	8.3	79.7	4.5	92.5	64.5	38.2	10.2

Pumping Stations:

This project is being served from Plant 30 reservoirs with the HWL of 3852' and thus, no pumping will be required.

See Exhibit "R" for the Clustered of existing reservoirs serving pressure zone #5.

Storage Criteria:

In Accordance with the District's water storage requirement consists of operational, fire flow, and emergency storage.

Operational Storage :

The City must provide sufficient storage under normal operating conditions to balance differences between water supply and weekly and diurnal variations in water demand.

In accordance with AWWA Manual of Standard Practice (M31 & M32), the minimum operational storage requirement averages at 30% maximum day demand which is consistent with the City's water master Plan.

Fire Flow Storage:

Fire flow storage requirements are based on the San Bernardino County Fire Department, which has been established at 4,000 gpm, for 4 hours duration at 20 psi residual pressure.

According to the City's Water Master Plan, Table 5- 2025 Supply Requirements, it is states that:

The combined water pressure Zones 4/5: Avg. Day Demand = 2.4 MG

Max Day Demand = 4.1 MG

The water storage requirement for both zones 4 and 5 are as follows:

1- Operational Storage =4.1 (MDD) x (30%)= 1.23 MG
2- Emergency Storage = 2.4 (ADD)x 500%= 12 MG
3- Fire flow Storage = 4,000 gpm x 4 x 60= 0.96 MG

Total storage required through 2025= 14.19MG

Knowing that the current available water storage in zone 4 and 5 is 15MG, There is more than 800,000 gallon surplus storage capacity for the proposed development.

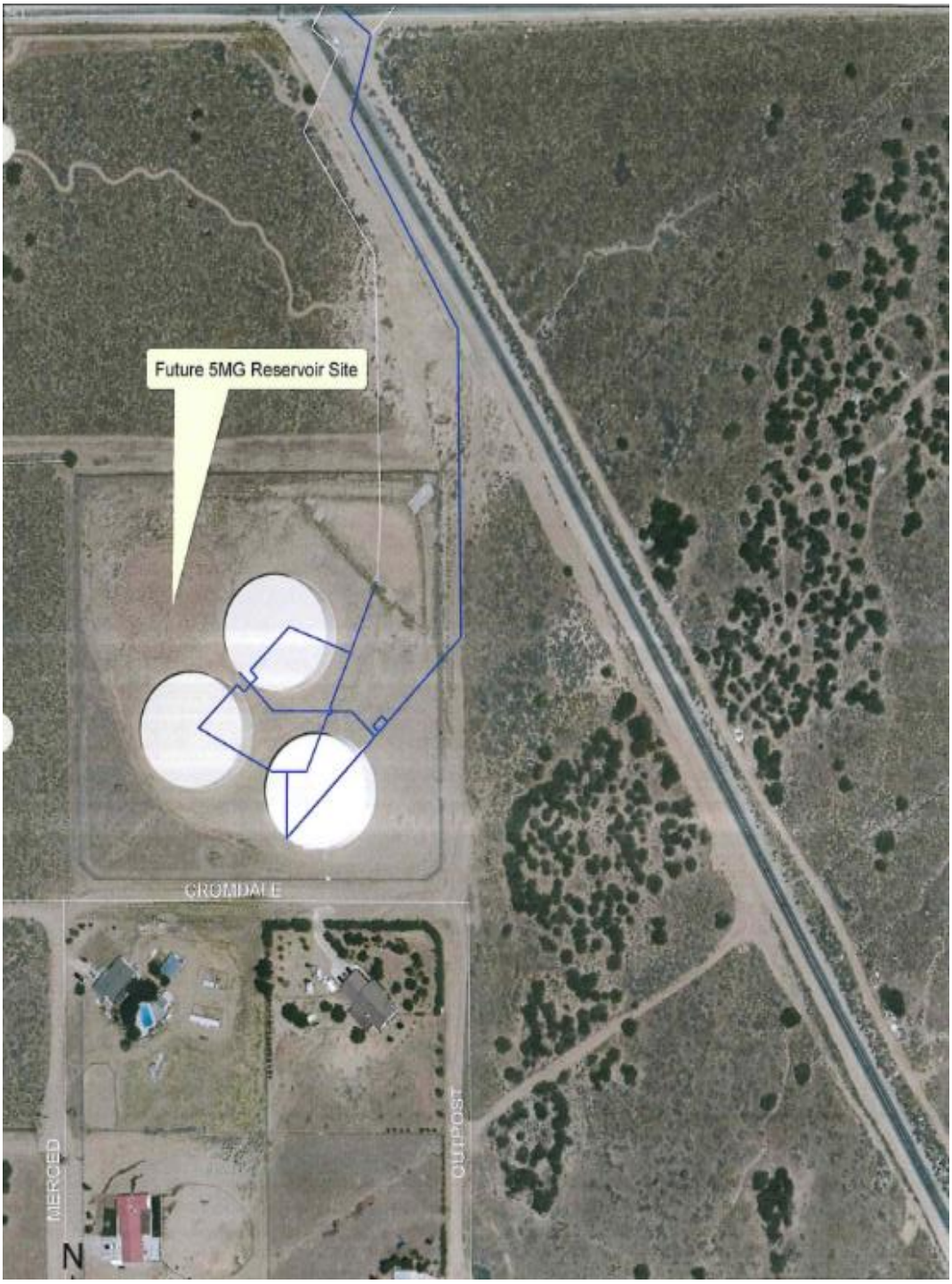


EXHIBIT "R"

Pressure Reducing Valve Criteria:

The on-site water distribution system for the proposed development would be delivering water at an average static water pressure of approximately 106 psi which is slightly high but within acceptable pressure range for a water distribution system. However, based on the Uniform Plumbing Code, water services with over 80 psi must be equipped with a pressure regulating valve which applies to all 4 services for this development.

Conclusion:

Based on the Urban Water Management Plan Report of 2020

Hesperia has reliable water supplies to meet its retail customer demands in normal, single dry years, and five consecutive dry year conditions through 2060. The managed groundwater reliability, and the numerous current and planned projects in the Mojave Basin designed to increase the reliability of the groundwater supply. In addition, Hesperia also has updated its water shortage contingency plan under the requirements in the Water Code section 10632 of the Urban Water Management Planning Act to address any potential water shortage conditions.

In summary and in accordance with the foregoing and the standards set forth by SB 610, this WSA concludes that the total projected water supplies available to Hesperia Water District during normal, single-dry, and multiple-dry water years over the next 20 years will be sufficient to meet the projected water demands for the proposed Project.

Appendix H-1
Field Noise Data

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: I-15 INDUSTRIAL PARK — PROJECT #: 13087
SITE ID:
SITE ADDRESS:
OBSERVER(S): PETE VIZAR
START DATE: 1/5/21 — END DATE: 1/5/21
START TIME: — END TIME:

METEOROLOGICAL CONDITIONS
TEMP: 57 F — HUMIDITY: 37 % R.H. — WIND: CALM (LIGHT) MODERATE
WINDSPD: 5 MPH — DIR. N NE S SE S SW W NW — VARIABLE STEADY GUSTY
SKY: (SUNNY) CLEAR — OVRCAST — PRTLY CLDY — FOG — RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT: PICCOLUS SLM P-3 — TYPE 1 2 — SERIAL # 1403 17064
CALIBRATOR: BSWA CA 114 — SERIAL # 490151
CALIBRATION CHECK — PRE-TEST ____ dBA SPL — POST-TEST ____ dBA SPL — WINDSCRN YES

SETTINGS: (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

	REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST1)	14-15	13:46	14:01	68.5	83.8	52.6				

COMMENTS: READNG TAKEN AT SOUTHERN FENCELINE OF 12550 MAIN ST (MOBILE HOME PARK); PRIMARY NOISE SOURCE IS TRAFFIC ON MAIN ST; WILLOW OAKS ESTATES

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT — DIST. TO RDWY C/L OR EOP: APX 90' FROM C/L OF MAIN ST.
TRAFFIC COUNT DURATION: 15 MIN

COUNT 1 (OR RDWY 1)	DIRECTION	NB/EB	SB/WB	SPEED NB/EB	SPEED SB/WB
	AUTOS	366			
	MED TRKS	1			
	HVY TRKS	7			
	BUSES	0			
	MOTRCLS	3			

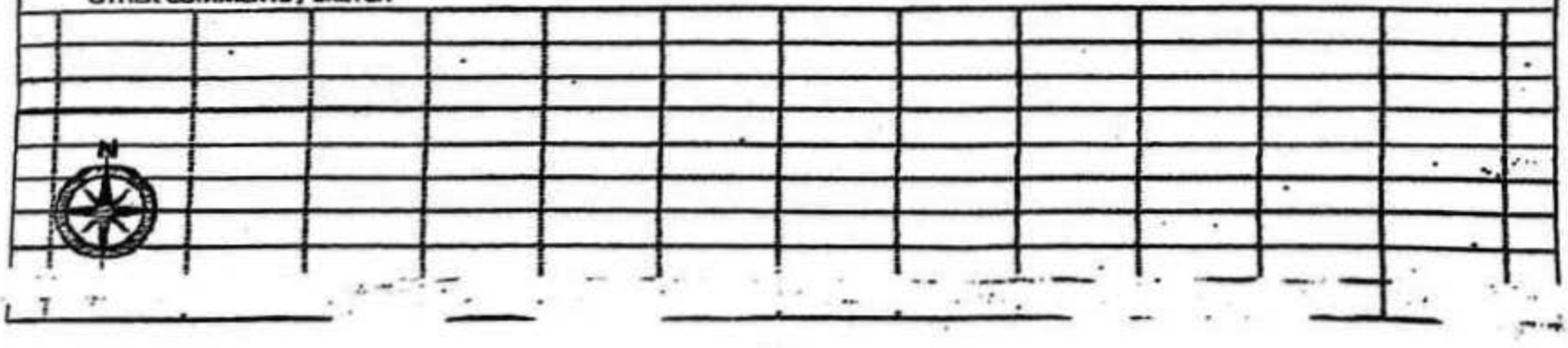
IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ✓

COUNT 2 (OR RDWY 2)	MIN	NB/EB	SB/WB	SPEED NB/EB	SPEED SB/WB
	____				

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN HARD SOFT (MIXED) FLAT OTHER:
PHOTOS 9755; 9756; 9757; 9758; 9759; 9760; 9762; 9763
OTHER COMMENTS / SKETCH



DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT I-15 INDUSTRIAL PARK
PROJECT # 13087
SITE ID
SITE ADDRESS
OBSERVER(S) PETE VITAR
START DATE 1/5/21 END DATE 1/5/21
START TIME END TIME

METEOROLOGICAL CONDITIONS
TEMP 57 F HUMIDITY 34 % R.H. WIND CALM (LIGHT) MODERATE
WINDSPD 6 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
SKY (SUNNY) CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT Piccolos SLM P-3 TYPE 1 2 SERIAL # 1403 17064
CALIBRATOR BSWA CA 114 SERIAL # 49015T
CALIBRATION CHECK PRE-TEST ____ dBA SPL POST-TEST ____ dBA SPL WINDSCRN YES

SETTINGS (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST2) 16-17	14:19	14:34	59.3	69.3	50.5				

COMMENTS READING TAKEN AT SOUTH EASTERN END OF WEST MAIN VILLAS HOUSING TRACT (9800 MESA LINDA ST), ALONGSIDE UNIT 110; PRIMARY NOISE SOURCE IS TRAFFIC ON MAIN ST TO THE SOUTH;

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT DIST. TO RDWY C/L OR EOP: APX 125' TO C/L OF MAIN ST.
TRAFFIC COUNT DURATION: 15 MIN SPEED ___ MIN SPEED

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB
AUTOS				
MED TRKS				
HVY TRKS				
BUSES				
MOTRCLS				

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ✓

COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB	SB/WB

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN HARD SOFT (MIXED) FLAT OTHER:
PHOTOS 9765; 9766; 9767; 9768
OTHER COMMENTS / SKETCH



DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: I-15 INDUSTRIAL PARK — PROJECT #: 13087
SITE ID:
SITE ADDRESS: — OBSERVER(S): PETE VITAR
START DATE: 1/5/21 — END DATE: 1/5/21
START TIME: — END TIME:

METEOROLOGICAL CONDITIONS
TEMP: 57 F — HUMIDITY: 34 % R.H. — WIND: CALM (LIGHT) MODERATE
WINDSPD: 6 MPH — DIR. N NE E SE S SW W NW — VARIABLE STEADY GUSTY
SKY: (SUNNY) CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT: PICCOLOS SLM P-3 — TYPE 1 2 — SERIAL #: 1403 17064
CALIBRATOR: BSWA CA 114 — SERIAL #: 490151
CALIBRATION CHECK — PRE-TEST: ____ dBA SPL — POST-TEST: ____ dBA SPL — WINDSCRN: YES

SETTINGS: (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST3) 18-19	15:13	15:29	63.7	77.6	58.0				

COMMENTS
READING TAKEN AT SOUTHERN END OF MOTEL 6 AT 9757 CATALINA RD; PRIMARY NOISE SOURCE IS TRAFFIC ON MAIN ST TO THE SOUTH; SECONDARY IS TRAFFIC ON CATALINA RD TO THE WEST & TRAFFIC ENTERING/EXITING MOTEL 6 STATION ON NE CORNER OF MAIN ST & CATALINA RD.; WINDOW AIR CONDITIONING UNITS FROM MOTEL 6.

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT — DIST. TO RDWY C/L OR EOP: APX 350' FROM C/L OF MAIN ST

TRAFFIC COUNT DURATION: 15 MIN — SPEED ____ MIN

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED
AUTOS	424			
MED TRKS	1			
HVY TRKS	4			
BUSES	1			
MOTRCLS	1			

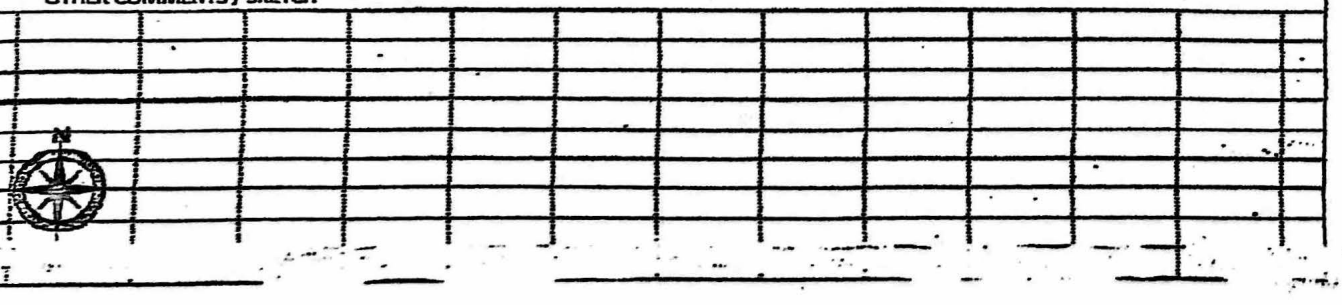
IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ✓

COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING (DIST. CONVRSTNS / YELLING) DIST. TRAFFIC (UST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN: (HARD) SOFT MIXED FLAT OTHER:
PHOTOS: 9779; 9780; 9781; 9782; 9783; 9784
OTHER COMMENTS / SKETCH



DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT I-15 INDUSTRIAL PARK PROJECT # 18087
SITE ID
SITE ADDRESS OBSERVER(S) PETE VITAR
START DATE 1/5/21 END DATE 1/6/21
START TIME END TIME

METEOROLOGICAL CONDITIONS
TEMP ____ F HUMIDITY ____ % R.H. WIND CALM LIGHT MODERATE
WINDSPD ____ MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT PIccolo II TYPE 1 2 SERIAL # P0218091404
CALIBRATOR ISSW.A CA 114 SERIAL # 40151
CALIBRATION CHECK PRE-TEST ____ dBA SPL POST-TEST ____ dBA SPL WINDSCRN YES

SETTINGS (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(LT1) 1-98									

COMMENTS
READING TAKEN IN PARKING AREA TO THE EAST OF MOTEL 6 AT-
RUNNAT NOISE SOURCE IS TRAFFIC ON MAIN ST; SECONDARY
IS TRAFFIC ON CATAWBA RD

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT DIST. TO RDWY C/L OR EOP: APX 40' TO C/L ON MAIN ST

TRAFFIC COUNT DURATION: ___ MIN SPEED ___ MIN SPEED

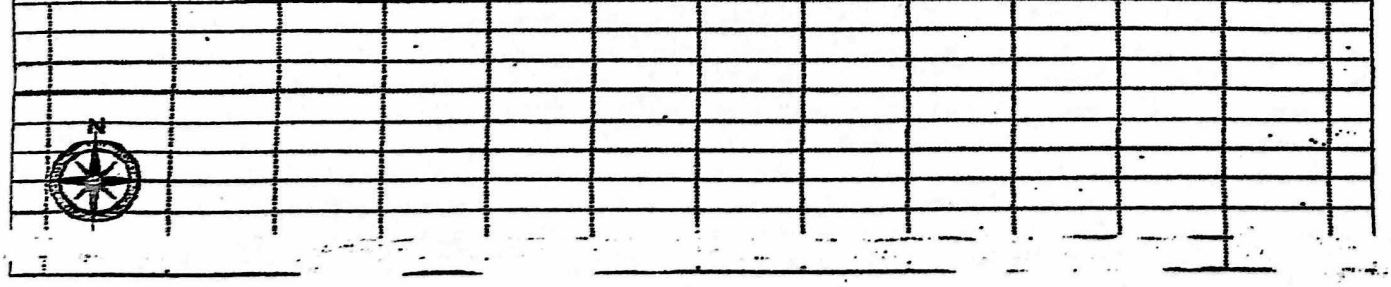
COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2) NB/EB	SB/WB	NB/EB	SB/WB
AUTOS									
MED TRKS									
HVY TRKS									
BUSES									
MOTRCLS									

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

3:06

DESCRIPTION / SKETCH
TERRAIN (HARD) SOFT MIXED FLAT OTHER:
PHOTOS 9770; 9771; 9772; 9773; 9774; 9775; 9776; 9777
OTHER COMMENTS / SKETCH



ST1

Rec 14 to 15	Slow Response		dBA weighting			2.0 dB resolution stats													
Date hh:mm:ss	LeqPeriod	Leq	SEL	Lmax	Lmin	L1%	L5%	L10%	L50%	L90%	L95%	L99%	Lmedian	Lmean	StdDev	L2%	L8%	L25%	
1/5/2021 13:46	15.0 min	68.5	101	83.8	52.6	79	77	75	67	55	55	53	67	66.2	6.84	79	75	71	
1/5/2021 14:01	6 sec	66.3	74.1	72.3	65.5	71	71	69	65	65	65	65	65	66.4	2.03	71	70.4	67	

ST2

Rec 16 to 17	Slow Response		dBA weighting			2.0 dB resolution stats													
Date hh:mm:ss	LeqPeriod	Leq	SEL	Lmax	Lmin	L1%	L5%	L10%	L50%	L90%	L95%	L99%	Lmedian	Lmean	StdDev	L2%	L8%	L25%	
1/5/2021 14:19	15.0 min	59.3	88.8	69.3	50.5	65	61	61	57	53	51	51	57	57.3	3.21	63	61	59	
1/5/2021 14:34	5 sec	55.2	62.2	57.6	54.1	57	57	56	55	53	53	53	55	54.3	1.35	57	57	55	

ST3

Rec 18 to 19	Slow Response		dBA weighting		2.0 dB resolution stats													
Date hh:mm:ss	LeqPeriod	Leq	SEL	Lmax	Lmin	L1%	L5%	L10%	L50%	L90%	L95%	L99%	Lmedian	Lmean	StdDev	L2%	L8%	L25%
1/5/2021 15:13	15.0 min	63.7	93.2	77.6	58	71	67	65	61	59	59	57	61	61.4	2.86	69	65	63
1/5/2021 15:28	51 sec	63.6	80.7	72.4	59.3	71	67	65	59	59	59	59	59	61.5	3.01	69	65	63

LT1

Duration	Meas Mode	Input Range	Input Type	SPL Time Weight	LN% Freq Weight	Overload	UnderRange	Sensitivity	LAeq		Hour Beginning	Hourly Leq			24-Hour Leq	CNEL	Loudest Hour	Quietest Hour
0:07:47	Auto	Low	Mic	Slow	dBA	Yes	No	19.09mV/F	79.1									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	59.2	1	3:00:00 PM	58.5	58.5	708447	58.7	65.2	62.9	54.0
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	55.5									
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	59.4									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	58.9									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	59.5	2	4:00:00 PM	59.0	59.0	794810.2				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	58									
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	61									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	56									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	57.2	3	5:00:00 PM	58.1	58.1	643727.8				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	60.1									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	57.3									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	56.9									
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	58.9	4	6:00:01 PM	59.2	59.2	822512				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	58									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	58.5									
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	60.7									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	59.2	5	7:00:00 PM	59.7	64.7	2963682				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	58.1									
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	60.7									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	60.4									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	58.4	6	8:00:00 PM	59.8	64.8	3013038				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	59.4									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	57.7									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	62.2									
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	58.5	7	9:00:01 PM	59.5	64.5	2829667				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	58.4									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	61.1									
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	59.5									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	56.3	8	10:00:00 PM	57.9	67.9	6122615				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	59.8									
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	57.7									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	56.8									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	58.3	9	11:00:00 PM	56.9	66.9	4876614				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	55.3									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	56.6									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	56.8									
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	60.8	10	12:00:01 AM	58.0	68.0	6342829				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	57.9									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	55.7									
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	55.4									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	56.6	11	1:00:00 AM	55.7	65.7	3677970				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	55									
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	54									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	56.5									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	52.1	12	2:00:00 AM	54.0	64.0	2515627				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	55.4									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	54.6									
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	53.2									
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/F	56.2	13	3:00:01 AM	57.8	67.8	6073224				

0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	54.4				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	57.7				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	60.6				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	60.8	14	4:00:00 AM	62.0	72.0 15695134
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	61.1				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	62.3				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	63.2				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	58.5	15	5:00:00 AM	59.3	69.3 8545142
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	58.3				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	59.2				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	60.8				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	56.9	16	6:00:01 AM	58.5	68.5 7022485
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	58.9				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	59.6				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	58				
0:15:00	Auto	Low	Mic	Slow	dBA	Yes	No	19.09mV/P	66	17	7:00:00 AM	62.9	62.9 1940811
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	64				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	58.5				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	57.5				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	57.9	18	8:00:00 AM	56.8	56.8 480152.4
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	56.3				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	54.8				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	57.6				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	59.7	19	9:00:00 AM	56.9	56.9 484313
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	54.8				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	54.4				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	56.3				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	56.4	20	10:00:01 AM	56.8	56.8 482073
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	55.5				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	59.8				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	52.6				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	53.2	21	11:00:00 AM	54.9	54.9 306175
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	54.2				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	56.4				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	55				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	55.1	22	12:00:00 PM	57.4	57.4 551243.1
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	57.2				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	59.2				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	57.2				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	54.7	23	1:00:01 PM	55.7	55.7 373391.1
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	55.3				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	54.1				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	57.8				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	55.6	24	2:00:00 PM	61.3	61.3 1339787
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	66.3				
0:14:59	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	57				
0:15:00	Auto	Low	Mic	Slow	dBA	No	No	19.09mV/P	53.6				
0:07:21	Auto	Low	Mic	Slow	dBA	Yes	No	19.09mV/P	72.5				

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Appendix H-2
Construction Noise Modeling Data

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per FTA guidance = 80

allowable hours over which Leq is to be averaged (example: 8 for FTA guidance) = 8

Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	Dozer	1	40	82		4000	43.9	8	480	40
	Backhoe	1	40	78		4050	39.8	8	480	36
								Total for Site Preparation Phase:		**41.4**
Grading	Excavator	1	40	81		4000	42.9	8	480	39
	Excavator	1	40	81		4050	42.8	8	480	39
	Grader	1	40	85		4100	46.7	8	480	43
	Dozer	1	40	82		4030	43.9	8	480	40
	Scraper	1	40	84		4080	45.8	8	480	42
	Scraper	1	40	84		4100	45.7	8	480	42
	Backhoe	1	40	78		4200	39.5	8	480	36
	Tractor	1	40	84		4250	45.4	8	480	41
								Total for Grading Phase:		**49.6**
Building Construction	Crane	1	16	81		4050	42.8	8	480	35
	Man lift	1	20	75		4100	36.7	8	480	30
	Man lift	1	20	75		4030	36.9	8	480	30
	Man lift	1	20	75		4080	36.8	8	480	30
	Generator	1	50	72		4100	33.7	8	480	31
	Backhoe	1	40	78		4200	39.5	8	480	36
	Tractor	1	40	84		4250	45.4	8	480	41
	Front End Loader	1	40	79		4300	40.3	8	480	36
	Welder / Torch	1	40	73		4350	34.2	8	480	30
								Total for Building Construction Phase:		**44.8**
Paving	Paver	1	50	77		4000	38.9	8	480	36
	Paver	1	50	77		4050	38.8	8	480	36
	Concrete Pump Truck	1	20	81		4100	42.7	8	480	36
	Concrete Mixer Truck	1	40	79		4030	40.9	8	480	37
	Roller	1	20	80		4080	41.8	8	480	35
	Roller	1	20	80		4100	41.7	8	480	35
								8		**43.5**
Architectural Coating	Compressor (air)	1	40	78		4050	39.8	8	480	36
								Total for Architectural Coating Phase:		**35.9**

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per FTA guidance = 80
allowable hours over which Leq is to be averaged (example: 8 for FTA guidance) = 8

Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	Dozer	1	40	82		4500	42.9	8	480	39
	Backhoe	1	40	78		4500	38.9	8	480	35
							Total for Site Preparation Phase:			**40.4**
Grading	Excavator	1	40	81		4500	41.9	8	480	38
	Excavator	1	40	81		4500	41.9	8	480	38
	Grader	1	40	85		4500	45.9	8	480	42
	Dozer	1	40	82		4500	42.9	8	480	39
	Scraper	1	40	84		4500	44.9	8	480	41
	Scraper	1	40	84		4500	44.9	8	480	41
	Backhoe	1	40	78		4500	38.9	8	480	35
	Tractor	1	40	84		4500	44.9	8	480	41
							Total for Grading Phase:			**48.8**
Building Construction	Crane	1	16	81		4500	41.9	8	480	34
	Man lift	1	20	75		4500	35.9	8	480	29
	Man lift	1	20	75		4500	35.9	8	480	29
	Man lift	1	20	75		4500	35.9	8	480	29
	Generator	1	50	72		4500	32.9	8	480	30
	Backhoe	1	40	78		4500	38.9	8	480	35
	Tractor	1	40	84		4500	44.9	8	480	41
	Front End Loader	1	40	79		4500	39.9	8	480	36
	Welder / Torch	1	40	73		4500	33.9	8	480	30
							Total for Building Construction Phase:			**44.2**
Paving	Paver	1	50	77		4500	37.9	8	480	35
	Paver	1	50	77		4500	37.9	8	480	35
	Concrete Pump Truck	1	20	81		4500	41.9	8	480	35
	Concrete Mixer Truck	1	40	79		4500	39.9	8	480	36
	Roller	1	20	80		4500	40.9	8	480	34
	Roller	1	20	80		4500	40.9	8	480	34
								8		**42.6**
Architectural Coating	Compressor (air)	1	40	78		4500	38.9	8	480	35
							Total for Architectural Coating Phase:			**34.9**

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per FTA guidance = 80
allowable hours over which Leq is to be averaged (example: 8 for FTA guidance) = 8

Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	Dozer	1	40	82		3500	45.1	8	480	41
	Backhoe	1	40	78		3550	41.0	8	480	37
							Total for Site Preparation Phase:			**42.5**
Grading	Excavator	1	40	81		3520	44.0	8	480	40
	Excavator	1	40	81		3570	43.9	8	480	40
	Grader	1	40	85		3600	47.9	8	480	44
	Dozer	1	40	82		3650	44.7	8	480	41
	Scraper	1	40	84		3580	46.9	8	480	43
	Scraper	1	40	84		3620	46.8	8	480	43
	Backhoe	1	40	78		3670	40.7	8	480	37
	Tractor	1	40	84		3600	46.9	8	480	43
							Total for Grading Phase:			**50.8**
Building Construction	Crane	1	16	81		3550	44.0	8	480	36
	Man lift	1	20	75		3570	37.9	8	480	31
	Man lift	1	20	75		3600	37.9	8	480	31
	Man lift	1	20	75		3650	37.7	8	480	31
	Generator	1	50	72		3580	34.9	8	480	32
	Backhoe	1	40	78		3620	40.8	8	480	37
	Tractor	1	40	84		3670	46.7	8	480	43
	Front End Loader	1	40	79		3600	41.9	8	480	38
	Welder / Torch	1	40	73		3650	35.7	8	480	32
							Total for Building Construction Phase:			**46.1**
Paving	Paver	1	50	77		3530	40.0	8	480	37
	Paver	1	50	77		3580	39.9	8	480	37
	Concrete Pump Truck	1	20	81		3600	43.9	8	480	37
	Concrete Mixer Truck	1	40	79		3650	41.7	8	480	38
	Roller	1	20	80		3620	42.8	8	480	36
	Roller	1	20	80		3670	42.7	8	480	36
								8		**44.5**
Architectural Coating	Compressor (air)	1	40	78		3550	41.0	8	480	37
							Total for Architectural Coating Phase:			**37.0**

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Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	Dozer	1	40	82		3700	44.6	8	480	41
	Backhoe	1	40	78		3700	40.6	8	480	37
							Total for Site Preparation Phase:			**42.1**
Grading	Excavator	1	40	81		3700	43.6	8	480	40
	Excavator	1	40	81		3700	43.6	8	480	40
	Grader	1	40	85		3700	47.6	8	480	44
	Dozer	1	40	82		3700	44.6	8	480	41
	Scraper	1	40	84		3700	46.6	8	480	43
	Scraper	1	40	84		3700	46.6	8	480	43
	Backhoe	1	40	78		3700	40.6	8	480	37
	Tractor	1	40	84		3700	46.6	8	480	43
							Total for Grading Phase:			**50.5**
Building Construction	Crane	1	16	81		3700	43.6	8	480	36
	Man lift	1	20	75		3700	37.6	8	480	31
	Man lift	1	20	75		3700	37.6	8	480	31
	Man lift	1	20	75		3700	37.6	8	480	31
	Generator	1	50	72		3700	34.6	8	480	32
	Backhoe	1	40	78		3700	40.6	8	480	37
	Tractor	1	40	84		3700	46.6	8	480	43
	Front End Loader	1	40	79		3700	41.6	8	480	38
	Welder / Torch	1	40	73		3700	35.6	8	480	32
							Total for Building Construction Phase:			**45.9**
Paving	Paver	1	50	77		3700	39.6	8	480	37
	Paver	1	50	77		3700	39.6	8	480	37
	Concrete Pump Truck	1	20	81		3700	43.6	8	480	37
	Concrete Mixer Truck	1	40	79		3700	41.6	8	480	38
	Roller	1	20	80		3700	42.6	8	480	36
	Roller	1	20	80		3700	42.6	8	480	36
								8		**44.3**
Architectural Coating	Compressor (air)	1	40	78		3700	40.6	8	480	37
							Total for Architectural Coating Phase:			**36.6**

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Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	Dozer	1	40	82		3550	45.0	8	480	41
	Backhoe	1	40	78		3600	40.9	8	480	37
							Total for Site Preparation Phase:			**42.4**
Grading	Excavator	1	40	81		3570	43.9	8	480	40
	Excavator	1	40	81		3620	43.8	8	480	40
	Grader	1	40	85		3650	47.7	8	480	44
	Dozer	1	40	82		3700	44.6	8	480	41
	Scraper	1	40	84		3630	46.8	8	480	43
	Scraper	1	40	84		3670	46.7	8	480	43
	Backhoe	1	40	78		3720	40.6	8	480	37
	Tractor	1	40	84		3650	46.7	8	480	43
							Total for Grading Phase:			**50.6**
Building Construction	Crane	1	16	81		3600	43.9	8	480	36
	Man lift	1	20	75		3620	37.8	8	480	31
	Man lift	1	20	75		3650	37.7	8	480	31
	Man lift	1	20	75		3700	37.6	8	480	31
	Generator	1	50	72		3630	34.8	8	480	32
	Backhoe	1	40	78		3670	40.7	8	480	37
	Tractor	1	40	84		3720	46.6	8	480	43
	Front End Loader	1	40	79		3650	41.7	8	480	38
	Welder / Torch	1	40	73		3700	35.6	8	480	32
							Total for Building Construction Phase:			**45.9**
Paving	Paver	1	50	77		3580	39.9	8	480	37
	Paver	1	50	77		3630	39.8	8	480	37
	Concrete Pump Truck	1	20	81		3650	43.7	8	480	37
	Concrete Mixer Truck	1	40	79		3700	41.6	8	480	38
	Roller	1	20	80		3670	42.7	8	480	36
	Roller	1	20	80		3720	42.6	8	480	36
								8		**44.4**
Architectural Coating	Compressor (air)	1	40	78		3600	40.9	8	480	37
							Total for Architectural Coating Phase:			**36.9**

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noise level limit for construction phase, per FTA guidance = 80
allowable hours over which Leq is to be averaged (example: 8 for FTA guidance) = 8

Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	Dozer	1	40	82		3850	44.3	8	480	40
	Backhoe	1	40	78		3850	40.3	8	480	36
							Total for Site Preparation Phase:			**41.7**
Grading	Excavator	1	40	81		3850	43.3	8	480	39
	Excavator	1	40	81		3850	43.3	8	480	39
	Grader	1	40	85		3850	47.3	8	480	43
	Dozer	1	40	82		3850	44.3	8	480	40
	Scraper	1	40	84		3850	46.3	8	480	42
	Scraper	1	40	84		3850	46.3	8	480	42
	Backhoe	1	40	78		3850	40.3	8	480	36
	Tractor	1	40	84		3850	46.3	8	480	42
							Total for Grading Phase:			**50.2**
Building Construction	Crane	1	16	81		3850	43.3	8	480	35
	Man lift	1	20	75		3850	37.3	8	480	30
	Man lift	1	20	75		3850	37.3	8	480	30
	Man lift	1	20	75		3850	37.3	8	480	30
	Generator	1	50	72		3850	34.3	8	480	31
	Backhoe	1	40	78		3850	40.3	8	480	36
	Tractor	1	40	84		3850	46.3	8	480	42
	Front End Loader	1	40	79		3850	41.3	8	480	37
	Welder / Torch	1	40	73		3850	35.3	8	480	31
							Total for Building Construction Phase:			**45.5**
Paving	Paver	1	50	77		3850	39.3	8	480	36
	Paver	1	50	77		3850	39.3	8	480	36
	Concrete Pump Truck	1	20	81		3850	43.3	8	480	36
	Concrete Mixer Truck	1	40	79		3850	41.3	8	480	37
	Roller	1	20	80		3850	42.3	8	480	35
	Roller	1	20	80		3850	42.3	8	480	35
								8		**43.9**
Architectural Coating	Compressor (air)	1	40	78		3850	40.3	8	480	36
							Total for Architectural Coating Phase:			**36.3**

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noise level limit for construction phase, per FTA guidance = 85
allowable hours over which Leq is to be averaged (example: 8 for FTA guidance) = 8

Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	Dozer	1	40	82		3000	46.4	8	480	42
	Backhoe	1	40	78		3050	42.3	8	480	38
							Total for Site Preparation Phase:			**43.9**
Grading	Excavator	1	40	81		3000	45.4	8	480	41
	Excavator	1	40	81		3050	45.3	8	480	41
	Grader	1	40	85		3100	49.2	8	480	45
	Dozer	1	40	82		3030	46.4	8	480	42
	Scraper	1	40	84		3080	48.2	8	480	44
	Scraper	1	40	84		3100	48.2	8	480	44
	Backhoe	1	40	78		3200	41.9	8	480	38
	Tractor	1	40	84		3250	47.7	8	480	44
							Total for Grading Phase:			**52.0**
Building Construction	Crane	1	16	81		3050	45.3	8	480	37
	Man lift	1	20	75		3100	39.2	8	480	32
	Man lift	1	20	75		3030	39.4	8	480	32
	Man lift	1	20	75		3080	39.2	8	480	32
	Generator	1	50	72		3100	36.2	8	480	33
	Backhoe	1	40	78		3200	41.9	8	480	38
	Tractor	1	40	84		3250	47.7	8	480	44
	Front End Loader	1	40	79		3300	42.6	8	480	39
	Welder / Torch	1	40	73		3350	36.5	8	480	32
							Total for Building Construction Phase:			**47.1**
Paving	Paver	1	50	77		3000	41.4	8	480	38
	Paver	1	50	77		3050	41.3	8	480	38
	Concrete Pump Truck	1	20	81		3100	45.2	8	480	38
	Concrete Mixer Truck	1	40	79		3030	43.4	8	480	39
	Roller	1	20	80		3080	44.2	8	480	37
	Roller	1	20	80		3100	44.2	8	480	37
								8		**46.0**
Architectural Coating	Compressor (air)	1	40	78		3050	42.3	8	480	38
							Total for Architectural Coating Phase:			**38.3**

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noise level limit for construction phase, per FTA guidance = 85
allowable hours over which Leq is to be averaged (example: 8 for FTA guidance) = 8

Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	Dozer	1	40	82		3350	45.5	8	480	41
	Backhoe	1	40	78		3350	41.5	8	480	37
							Total for Site Preparation Phase:			**43.0**
Grading	Excavator	1	40	81		3350	44.5	8	480	40
	Excavator	1	40	81		3350	44.5	8	480	40
	Grader	1	40	85		3350	48.5	8	480	44
	Dozer	1	40	82		3350	45.5	8	480	41
	Scraper	1	40	84		3350	47.5	8	480	43
	Scraper	1	40	84		3350	47.5	8	480	43
	Backhoe	1	40	78		3350	41.5	8	480	37
	Tractor	1	40	84		3350	47.5	8	480	43
							Total for Grading Phase:			**51.4**
Building Construction	Crane	1	16	81		3350	44.5	8	480	37
	Man lift	1	20	75		3350	38.5	8	480	31
	Man lift	1	20	75		3350	38.5	8	480	31
	Man lift	1	20	75		3350	38.5	8	480	31
	Generator	1	50	72		3350	35.5	8	480	32
	Backhoe	1	40	78		3350	41.5	8	480	37
	Tractor	1	40	84		3350	47.5	8	480	43
	Front End Loader	1	40	79		3350	42.5	8	480	38
	Welder / Torch	1	40	73		3350	36.5	8	480	32
							Total for Building Construction Phase:			**46.8**
Paving	Paver	1	50	77		3350	40.5	8	480	37
	Paver	1	50	77		3350	40.5	8	480	37
	Concrete Pump Truck	1	20	81		3350	44.5	8	480	37
	Concrete Mixer Truck	1	40	79		3350	42.5	8	480	38
	Roller	1	20	80		3350	43.5	8	480	36
	Roller	1	20	80		3350	43.5	8	480	36
								8		**45.2**
Architectural Coating	Compressor (air)	1	40	78		3350	41.5	8	480	37
							Total for Architectural Coating Phase:			**37.5**

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Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	Dozer	1	40	82		2050	49.7	8	480	46
	Backhoe	1	40	78		2100	45.5	8	480	42
							Total for Site Preparation Phase:			**47.2**
Grading	Excavator	1	40	81		2050	48.7	8	480	45
	Excavator	1	40	81		2100	48.5	8	480	45
	Grader	1	40	85		2150	52.3	8	480	48
	Dozer	1	40	82		2080	49.6	8	480	46
	Scraper	1	40	84		2130	51.4	8	480	47
	Scraper	1	40	84		2150	51.3	8	480	47
	Backhoe	1	40	78		2250	44.9	8	480	41
	Tractor	1	40	84		2300	50.7	8	480	47
							Total for Grading Phase:			**55.2**
Building Construction	Crane	1	16	81		2100	48.5	8	480	41
	Man lift	1	20	75		2150	42.3	8	480	35
	Man lift	1	20	75		2080	42.6	8	480	36
	Man lift	1	20	75		2130	42.4	8	480	35
	Generator	1	50	72		2150	39.3	8	480	36
	Backhoe	1	40	78		2250	44.9	8	480	41
	Tractor	1	40	84		2300	50.7	8	480	47
	Front End Loader	1	40	79		2350	45.6	8	480	42
	Welder / Torch	1	40	73		2400	39.4	8	480	35
							Total for Building Construction Phase:			**50.2**
Paving	Paver	1	50	77		2050	44.7	8	480	42
	Paver	1	50	77		2100	44.5	8	480	42
	Concrete Pump Truck	1	20	81		2150	48.3	8	480	41
	Concrete Mixer Truck	1	40	79		2080	46.6	8	480	43
	Roller	1	20	80		2130	47.4	8	480	40
	Roller	1	20	80		2150	47.3	8	480	40
								8		**49.2**
Architectural Coating	Compressor (air)	1	40	78		2100	45.5	8	480	42
							Total for Architectural Coating Phase:			**41.6**

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Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	Dozer	1	40	82		2700	47.4	8	480	43
	Backhoe	1	40	78		2700	43.4	8	480	39
							Total for Site Preparation Phase:			**44.8**
Grading	Excavator	1	40	81		2700	46.4	8	480	42
	Excavator	1	40	81		2700	46.4	8	480	42
	Grader	1	40	85		2700	50.4	8	480	46
	Dozer	1	40	82		2700	47.4	8	480	43
	Scraper	1	40	84		2700	49.4	8	480	45
	Scraper	1	40	84		2700	49.4	8	480	45
	Backhoe	1	40	78		2700	43.4	8	480	39
	Tractor	1	40	84		2700	49.4	8	480	45
							Total for Grading Phase:			**53.3**
Building Construction	Crane	1	16	81		2700	46.4	8	480	38
	Man lift	1	20	75		2700	40.4	8	480	33
	Man lift	1	20	75		2700	40.4	8	480	33
	Man lift	1	20	75		2700	40.4	8	480	33
	Generator	1	50	72		2700	37.4	8	480	34
	Backhoe	1	40	78		2700	43.4	8	480	39
	Tractor	1	40	84		2700	49.4	8	480	45
	Front End Loader	1	40	79		2700	44.4	8	480	40
	Welder / Torch	1	40	73		2700	38.4	8	480	34
							Total for Building Construction Phase:			**48.6**
Paving	Paver	1	50	77		2700	42.4	8	480	39
	Paver	1	50	77		2700	42.4	8	480	39
	Concrete Pump Truck	1	20	81		2700	46.4	8	480	39
	Concrete Mixer Truck	1	40	79		2700	44.4	8	480	40
	Roller	1	20	80		2700	45.4	8	480	38
	Roller	1	20	80		2700	45.4	8	480	38
								8		**47.0**
Architectural Coating	Compressor (air)	1	40	78		2700	43.4	8	480	39
							Total for Architectural Coating Phase:			**39.4**

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noise level limit for construction phase, per FTA guidance = 85
allowable hours over which Leq is to be averaged (example: 8 for FTA guidance) = 8

Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	Dozer	1	40	82		250	68.0	8	480	64
	Backhoe	1	40	78		300	62.4	8	480	58
							Total for Site Preparation Phase:			**65.1**
Grading	Excavator	1	40	81		270	66.4	8	480	62
	Excavator	1	40	81		320	64.9	8	480	61
	Grader	1	40	85		350	68.1	8	480	64
	Dozer	1	40	82		400	63.9	8	480	60
	Scraper	1	40	84		330	67.6	8	480	64
	Scraper	1	40	84		370	66.6	8	480	63
	Backhoe	1	40	78		420	59.5	8	480	56
	Tractor	1	40	84		350	67.1	8	480	63
							Total for Grading Phase:			**71.2**
Building Construction	Crane	1	16	81		300	65.4	8	480	57
	Man lift	1	20	75		320	58.9	8	480	52
	Man lift	1	20	75		350	58.1	8	480	51
	Man lift	1	20	75		400	56.9	8	480	50
	Generator	1	50	72		330	55.6	8	480	53
	Backhoe	1	40	78		370	60.6	8	480	57
	Tractor	1	40	84		420	65.5	8	480	62
	Front End Loader	1	40	79		350	62.1	8	480	58
	Welder / Torch	1	40	73		400	54.9	8	480	51
							Total for Building Construction Phase:			**65.8**
Paving	Paver	1	50	77		280	62.0	8	480	59
	Paver	1	50	77		330	60.6	8	480	58
	Concrete Pump Truck	1	20	81		350	64.1	8	480	57
	Concrete Mixer Truck	1	40	79		400	60.9	8	480	57
	Roller	1	20	80		370	62.6	8	480	56
	Roller	1	20	80		420	61.5	8	480	55
								8		**64.8**
Architectural Coating	Compressor (air)	1	40	78		300	62.4	8	480	58
							Total for Architectural Coating Phase:			**58.5**

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per FTA guidance = 85
allowable hours over which Leq is to be averaged (example: 8 for FTA guidance) = 8

Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	Dozer	1	40	82		900	56.9	8	480	53
	Backhoe	1	40	78		900	52.9	8	480	49
							Total for Site Preparation Phase:			**54.4**
Grading	Excavator	1	40	81		900	55.9	8	480	52
	Excavator	1	40	81		900	55.9	8	480	52
	Grader	1	40	85		900	59.9	8	480	56
	Dozer	1	40	82		900	56.9	8	480	53
	Scraper	1	40	84		900	58.9	8	480	55
	Scraper	1	40	84		900	58.9	8	480	55
	Backhoe	1	40	78		900	52.9	8	480	49
	Tractor	1	40	84		900	58.9	8	480	55
							Total for Grading Phase:			**62.8**
Building Construction	Crane	1	16	81		900	55.9	8	480	48
	Man lift	1	20	75		900	49.9	8	480	43
	Man lift	1	20	75		900	49.9	8	480	43
	Man lift	1	20	75		900	49.9	8	480	43
	Generator	1	50	72		900	46.9	8	480	44
	Backhoe	1	40	78		900	52.9	8	480	49
	Tractor	1	40	84		900	58.9	8	480	55
	Front End Loader	1	40	79		900	53.9	8	480	50
	Welder / Torch	1	40	73		900	47.9	8	480	44
							Total for Building Construction Phase:			**58.2**
Paving	Paver	1	50	77		900	51.9	8	480	49
	Paver	1	50	77		900	51.9	8	480	49
	Concrete Pump Truck	1	20	81		900	55.9	8	480	49
	Concrete Mixer Truck	1	40	79		900	53.9	8	480	50
	Roller	1	20	80		900	54.9	8	480	48
	Roller	1	20	80		900	54.9	8	480	48
								8		**56.6**
Architectural Coating	Compressor (air)	1	40	78		900	52.9	8	480	49
							Total for Architectural Coating Phase:			**48.9**

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per FTA guidance = 90
allowable hours over which Leq is to be averaged (example: 8 for FTA guidance) = 8

Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	Dozer	1	40	82		1150	54.8	8	480	51
	Backhoe	1	40	78		1200	50.4	8	480	46
							Total for Site Preparation Phase:			**52.1**
Grading	Excavator	1	40	81		1150	53.8	8	480	50
	Excavator	1	40	81		1200	53.4	8	480	49
	Grader	1	40	85		1250	57.0	8	480	53
	Dozer	1	40	82		1180	54.5	8	480	51
	Scraper	1	40	84		1230	56.2	8	480	52
	Scraper	1	40	84		1250	56.0	8	480	52
	Backhoe	1	40	78		1350	49.4	8	480	45
	Tractor	1	40	84		1400	55.1	8	480	51
							Total for Grading Phase:			**59.9**
Building Construction	Crane	1	16	81		1200	53.4	8	480	45
	Man lift	1	20	75		1250	47.0	8	480	40
	Man lift	1	20	75		1180	47.5	8	480	41
	Man lift	1	20	75		1230	47.2	8	480	40
	Generator	1	50	72		1250	44.0	8	480	41
	Backhoe	1	40	78		1350	49.4	8	480	45
	Tractor	1	40	84		1400	55.1	8	480	51
	Front End Loader	1	40	79		1450	49.8	8	480	46
	Welder / Torch	1	40	73		1500	43.5	8	480	39
							Total for Building Construction Phase:			**54.6**
Paving	Paver	1	50	77		1150	49.8	8	480	47
	Paver	1	50	77		1200	49.4	8	480	46
	Concrete Pump Truck	1	20	81		1250	53.0	8	480	46
	Concrete Mixer Truck	1	40	79		1180	51.5	8	480	48
	Roller	1	20	80		1230	52.2	8	480	45
	Roller	1	20	80		1250	52.0	8	480	45
							Total for Paving Phase:			**54.0**
Architectural Coating	Compressor (air)	1	40	78		1200	50.4	8	480	46
							Total for Architectural Coating Phase:			**46.4**

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per FTA guidance = 90
allowable hours over which Leq is to be averaged (example: 8 for FTA guidance) = 8

Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	Dozer	1	40	82		1800	50.9	8	480	47
	Backhoe	1	40	78		1800	46.9	8	480	43
							Total for Site Preparation Phase:			**48.3**
Grading	Excavator	1	40	81		1800	49.9	8	480	46
	Excavator	1	40	81		1800	49.9	8	480	46
	Grader	1	40	85		1800	53.9	8	480	50
	Dozer	1	40	82		1800	50.9	8	480	47
	Scraper	1	40	84		1800	52.9	8	480	49
	Scraper	1	40	84		1800	52.9	8	480	49
	Backhoe	1	40	78		1800	46.9	8	480	43
	Tractor	1	40	84		1800	52.9	8	480	49
							Total for Grading Phase:			**56.8**
Building Construction	Crane	1	16	81		1800	49.9	8	480	42
	Man lift	1	20	75		1800	43.9	8	480	37
	Man lift	1	20	75		1800	43.9	8	480	37
	Man lift	1	20	75		1800	43.9	8	480	37
	Generator	1	50	72		1800	40.9	8	480	38
	Backhoe	1	40	78		1800	46.9	8	480	43
	Tractor	1	40	84		1800	52.9	8	480	49
	Front End Loader	1	40	79		1800	47.9	8	480	44
	Welder / Torch	1	40	73		1800	41.9	8	480	38
							Total for Building Construction Phase:			**52.1**
Paving	Paver	1	50	77		1800	45.9	8	480	43
	Paver	1	50	77		1800	45.9	8	480	43
	Concrete Pump Truck	1	20	81		1800	49.9	8	480	43
	Concrete Mixer Truck	1	40	79		1800	47.9	8	480	44
	Roller	1	20	80		1800	48.9	8	480	42
	Roller	1	20	80		1800	48.9	8	480	42
							Total for Paving Phase:			**50.5**
Architectural Coating	Compressor (air)	1	40	78		1800	46.9	8	480	43
							Total for Architectural Coating Phase:			**42.9**

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per FTA guidance = 80
allowable hours over which Leq is to be averaged (example: 8 for FTA guidance) = 8

Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Off-Site Utilities	Backhoe	1	40	78		130	69.7	8	480	66
	Man lift	1	20	75		150	65.5	8	480	58
	Generator	1	50	72		170	61.4	8	480	58
	Crane	1	16	81		200	69.0	8	480	61
	Welder / Torch	1	40	73		180	61.9	8	480	58
							Total for Off-Site Utilities Phase:			**68.4**

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per FTA guidance = 80
allowable hours over which Leq is to be averaged (example: 8 for FTA guidance) = 8

Construction Phase	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Off-Site Utilities	Backhoe	1	40	78		2000	46.0	8	480	42
	Man lift	1	20	75		2000	43.0	8	480	36
	Generator	1	50	72		2000	40.0	8	480	37
	Crane	1	16	81		2000	49.0	8	480	41
	Welder / Torch	1	40	73		2000	41.0	8	480	37
							Total for Off-Site Utilities Phase:			**46.3**

Appendix H-3
Traffic Noise Modeling Data

Dudek					**15 October 2021**							
MG					**TNM 2.5**							
INPUT: ROADWAYS								**Average pavement type shall be used unless**				
PROJECT/CONTRACT:	**13087**							**a State highway agency substantiates the use**				
RUN:	**I15 Industrial Project - Cal Run**							**of a different type with the approval of FHWA**				
Roadway		**Points**										
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**				**Flow Control**			**Segment**	
				X	**Y**	**Z**		**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**
	ft			ft	ft	ft			mph	%		
Main Street - W. of Hwy 395	100.0	point1	1	807.2	8,559.2	100.00					Average	
		point3	3	2,099.7	8,550.5	100.00						
Hwy 395 N. of Main Street	65.0	point37	37	2,185.5	9,286.6	100.00					Average	
		point14	14	2,103.8	8,566.0	100.00						
Cataba Road	45.0	point39	39	6,306.0	8,517.8	100.00					Average	
		point26	26	6,323.4	7,038.8	100.00					Average	
		point27	27	6,334.3	6,789.5	100.00						
I-15 NB	65.0	point41	41	4,447.5	2,852.2	100.00					Average	
		point33	33	5,307.0	4,186.3	100.00					Average	
		point34	34	6,185.4	5,519.5	100.00					Average	
		point35	35	7,783.6	8,021.5	100.00					Average	
		point2	2	9,496.1	10,661.3	100.00						
I-15 SB	65.0	point43	43	9,411.9	10,707.1	100.00					Average	
		point29	29	6,583.5	6,406.0	100.00					Average	
		point30	30	4,899.4	3,781.5	100.00					Average	
		point31	31	4,265.6	2,899.7	100.00						
Mesa Linda Street	40.0	point45	45	4,991.4	8,527.9	100.00					Average	
		point8	8	5,008.9	5,916.6	100.00					Average	
		point9	9	5,003.6	4,598.1	100.00						
Hwy 395 S. of Main Street	65.0	point47	47	2,105.5	8,538.8	100.00					Average	
		point16	16	2,000.9	7,420.6	100.00					Average	
		point17	17	2,017.4	7,037.6	100.00					Average	
		point18	18	2,074.3	6,735.8	100.00					Average	
		point19	19	2,201.1	6,379.3	100.00					Average	
		point20	20	2,288.6	6,138.7	100.00					Average	

		point21	21	2,317.1	6,008.6	100.00				Average	
		point22	22	2,334.5	5,840.2	100.00				Average	
		point23	23	2,367.6	4,614.0	100.00					
Poplar Street	65.0	point49	49	4,976.8	4,614.1	100.00				Average	
		point11	11	3,636.7	4,603.6	100.00				Average	
		point12	12	2,379.9	4,614.1	100.00					
Hwy 395 S. of Poplar Street	65.0	point50	50	2,367.6	4,614.0	100.00				Average	
		point24	24	2,364.2	3,357.2	100.00					
Main Street - E. of Hwy 395	100.0	point51	51	2,099.7	8,550.5	100.00				Average	
		point4	4	4,977.8	8,536.6	100.00					
Main Street-Mesa Linda St. to Cataba Rd	100.0	point52	52	4,977.8	8,536.6	100.00				Average	
		point5	5	6,303.1	8,547.6	100.00					
Main Street-Cataba Rd to I-15	100.0	point53	53	6,303.1	8,547.6	100.00				Average	
		point6	6	7,950.9	8,553.1	100.00					

Dudek **15 October 2021**
MG **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: 13087
RUN: I15 Industrial Project - Cal Run

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Main Street - W. of Hwy 395	point1	1	0	0	0	0	0	0	0	0	0	0
	point3	3										
Hwy 395 N. of Main Street	point37	37	0	0	0	0	0	0	0	0	0	0
	point14	14										
Cataba Road	point39	39	0	0	0	0	0	0	0	0	0	0
	point26	26	0	0	0	0	0	0	0	0	0	0
	point27	27										
I-15 NB	point41	41	4875	70	168	70	560	65	0	0	0	0
	point33	33	4875	70	168	70	560	65	0	0	0	0
	point34	34	4875	70	168	70	560	65	0	0	0	0
	point35	35	4875	70	168	70	560	65	0	0	0	0
	point2	2										
I-15 SB	point43	43	4875	70	168	70	560	65	0	0	0	0
	point29	29	4875	70	168	70	560	65	0	0	0	0
	point30	30	4875	70	168	70	560	65	0	0	0	0
	point31	31										
Mesa Linda Street	point45	45	0	0	0	0	0	0	0	0	0	0
	point8	8	0	0	0	0	0	0	0	0	0	0
	point9	9										
Hwy 395 S. of Main Street	point47	47	0	0	0	0	0	0	0	0	0	0
	point16	16	0	0	0	0	0	0	0	0	0	0
	point17	17	0	0	0	0	0	0	0	0	0	0
	point18	18	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes **13087**

	point19	19	0	0	0	0	0	0	0	0	0	0
	point20	20	0	0	0	0	0	0	0	0	0	0
	point21	21	0	0	0	0	0	0	0	0	0	0
	point22	22	0	0	0	0	0	0	0	0	0	0
	point23	23										
Poplar Street	point49	49	0	0	0	0	0	0	0	0	0	0
	point11	11	0	0	0	0	0	0	0	0	0	0
	point12	12										
Hwy 395 S. of Poplar Street	point50	50	0	0	0	0	0	0	0	0	0	0
	point24	24										
Main Street - E. of Hwy 395	point51	51	1464	55	4	55	28	50	0	0	12	55
	point4	4										
Main Street-Mesa Linda St. to Cataba Rd	point52	52	1464	55	4	55	28	50	0	0	12	55
	point5	5										
Main Street-Cataba Rd to I-15	point53	53	1696	55	4	55	16	50	4	55	4	55
	point6	6										

Dudek
MG

15 October 2021
TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 13087
RUN: I15 Industrial Project - Cal Run

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	5,230.5	8,654.1	100.00	5.00	68.50	66	10.0	8.0	Y
ST2	2	1	4,299.0	8,694.7	100.00	5.00	59.30	66	10.0	8.0	Y
ST3	3	1	6,467.0	8,873.1	100.00	5.00	63.70	66	10.0	8.0	Y
M1	4	1	6,447.7	6,498.4	100.00	5.00	0.00	66	10.0	8.0	Y
M2	5	1	3,268.1	4,508.8	100.00	5.00	0.00	66	10.0	8.0	Y
M3	6	1	2,469.0	3,910.1	100.00	5.00	0.00	66	10.0	8.0	Y
M4	8	1	5,255.5	8,692.6	100.00	5.00	0.00	66	10.0	8.0	Y

Dudek 15 October 2021
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 13087
RUN: I15 Industrial Project - Cal Run

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per	$ per	Top	Run:Rise	$ per			X	Y	Z	at	Seg Ht	Perturbs		On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	2,632.2	5,843.7	100.00	40.00	0.00	0	0		
									point3	3	2,624.0	4,904.1	100.00	40.00	0.00	0	0		
									point4	4	2,560.6	4,909.6	100.00	40.00	0.00	0	0		
									point5	5	2,567.5	4,777.4	100.00	40.00	0.00	0	0		
									point6	6	3,299.1	4,787.0	100.00	40.00	0.00	0	0		
									point7	7	3,292.2	4,902.7	100.00	40.00	0.00	0	0		
									point8	8	3,244.0	4,906.8	100.00	40.00	0.00	0	0		
									point9	9	3,246.7	5,849.3	100.00	40.00	0.00	0	0		
									point10	10	2,640.5	5,838.2	100.00	40.00					
Barrier 2	W	0.00	99.99	0.00				0.00	point18	18	5,931.2	6,994.6	100.00	40.00	0.00	0	0		
									point12	12	5,927.7	5,581.6	100.00	40.00	0.00	0	0		
									point13	13	5,781.9	5,369.8	100.00	40.00	0.00	0	0		
									point14	14	5,313.2	5,369.8	100.00	40.00	0.00	0	0		
									point15	15	5,306.2	6,838.4	100.00	40.00	0.00	0	0		
									point16	16	5,254.2	6,824.5	100.00	40.00	0.00	0	0		
									point2	2	5,257.6	6,991.2	100.00	40.00					
Barrier4	W	0.00	99.99	0.00				0.00	point19	19	4,708.1	8,603.6	100.00	6.00	0.00	0	0		
									point20	20	3,329.1	8,603.6	100.00	6.00					
Barrier5	W	0.00	99.99	0.00				0.00	point21	21	5,035.8	8,665.2	100.00	6.00	0.00	0	0		
									point22	22	5,649.9	8,663.9	100.00	6.00					
Barrier6	W	0.00	99.99	0.00				0.00	point23	23	6,456.7	6,487.8	100.00	20.00	0.00	0	0		
									point24	24	6,579.0	6,675.3	100.00	20.00	0.00	0	0		
									point25	25	6,642.8	6,637.4	100.00	20.00	0.00	0	0		
									point26	26	6,515.0	6,445.7	100.00	20.00	0.00	0	0		
									point27	27	6,451.2	6,484.8	100.00	20.00					

Dudek
MG
15 October 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 13087
RUN: I15 Industrial Project - Cal Run
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	68.5	67.9	66	-0.6	10	Snd Lvl	67.9	0.0	8	-8.0
ST2	2	1	59.3	59.7	66	0.4	10	----	59.7	0.0	8	-8.0
ST3	3	1	63.7	63.3	66	-0.4	10	----	63.3	0.0	8	-8.0
M1	4	1	0.0	71.0	66	71.0	10	Snd Lvl	71.0	0.0	8	-8.0
M2	5	1	0.0	53.7	66	53.7	10	----	53.7	0.0	8	-8.0
M3	6	1	0.0	49.7	66	49.7	10	----	49.7	0.0	8	-8.0
M4	8	1	0.0	60.5	66	60.5	10	----	60.5	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	7	0.0	0.0	0.0
All Impacted	2	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek					**21 February 2022**							
MG					**TNM 2.5**							
INPUT: ROADWAYS								**Average pavement type shall be used unless**				
PROJECT/CONTRACT:	**13727**							**a State highway agency substantiates the use**				
RUN:	**I15 Indstrl Prj Ph 2 aka Poplar 18 - Existing**							**of a different type with the approval of FHWA**				
Roadway		**Points**										
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**				**Flow Control**			**Segment**	
				X	**Y**	**Z**		**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**
	ft			ft	ft	ft			mph	%		
Main Street - W. of Hwy 395	100.0	point1	1	807.2	8,559.2	100.00					Average	
		point3	3	2,099.7	8,550.5	100.00						
Hwy 395 N. of Main Street	65.0	point37	37	2,185.5	9,286.6	100.00					Average	
		point14	14	2,103.8	8,566.0	100.00						
Cataba Road	45.0	point39	39	6,306.0	8,517.8	100.00					Average	
		point26	26	6,323.4	7,038.8	100.00					Average	
		point27	27	6,334.3	6,789.5	100.00						
I-15 NB	65.0	point41	41	4,447.5	2,852.2	100.00					Average	
		point33	33	5,307.0	4,186.3	100.00					Average	
		point34	34	6,185.4	5,519.5	100.00					Average	
		point35	35	7,783.6	8,021.5	100.00					Average	
		point2	2	9,496.1	10,661.3	100.00						
I-15 SB	65.0	point43	43	9,411.9	10,707.1	100.00					Average	
		point29	29	6,583.5	6,406.0	100.00					Average	
		point30	30	4,899.4	3,781.5	100.00					Average	
		point31	31	4,265.6	2,899.7	100.00						
Mesa Linda Street	40.0	point45	45	4,991.4	8,527.9	100.00					Average	
		point8	8	5,008.9	5,916.6	100.00					Average	
		point9	9	5,003.6	4,598.1	100.00						
Hwy 395 S. of Main Street	65.0	point47	47	2,105.5	8,538.8	100.00					Average	
		point16	16	2,000.9	7,420.6	100.00					Average	
		point17	17	2,017.4	7,037.6	100.00					Average	
		point18	18	2,074.3	6,735.8	100.00					Average	
		point19	19	2,201.1	6,379.3	100.00					Average	
		point20	20	2,288.6	6,138.7	100.00					Average	

		point21	21	2,317.1	6,008.6	100.00				Average	
		point22	22	2,334.5	5,840.2	100.00				Average	
		point23	23	2,367.6	4,614.0	100.00					
Poplar Street	65.0	point49	49	4,976.8	4,614.1	100.00				Average	
		point11	11	3,636.7	4,603.6	100.00				Average	
		point12	12	2,379.9	4,614.1	100.00					
Hwy 395 S. of Poplar Street	65.0	point50	50	2,367.6	4,614.0	100.00				Average	
		point24	24	2,364.2	3,357.2	100.00					
Main Street - E. of Hwy 395	100.0	point51	51	2,099.7	8,550.5	100.00				Average	
		point4	4	4,977.8	8,536.6	100.00					
Main Street-Mesa Linda St. to Cataba Rd	100.0	point52	52	4,977.8	8,536.6	100.00				Average	
		point5	5	6,303.1	8,547.6	100.00					
Main Street-Cataba Rd to I-15	100.0	point53	53	6,303.1	8,547.6	100.00				Average	
		point6	6	7,950.9	8,553.1	100.00					

Dudek **21 February 2022**
MG **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **13727**
RUN: **I15 Indstrl Prj Ph 2 aka Poplar 18 - Existing**

Roadway	**Points**											
Name	**Name**	**No.**	**Segment**									
			Autos		**MTrucks**		**HTrucks**		**Buses**		**Motorcycles**	
			V	**S**	**V**	**S**	**V**	**S**	**V**	**S**	**V**	**S**
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Main Street - W. of Hwy 395	point1	1	1488	55	30	55	14	50	0	0	0	0
	point3	3										
Hwy 395 N. of Main Street	point37	37	1856	55	30	55	130	50	0	0	0	0
	point14	14										
Cataba Road	point39	39	638	45	5	45	2	40	0	0	0	0
	point26	26	638	45	5	45	2	40	0	0	0	0
	point27	27										
I-15 NB	point41	41	4875	70	168	70	560	65	0	0	0	0
	point33	33	4875	70	168	70	560	65	0	0	0	0
	point34	34	4875	70	168	70	560	65	0	0	0	0
	point35	35	4875	70	168	70	560	65	0	0	0	0
	point2	2										
I-15 SB	point43	43	4875	70	168	70	560	65	0	0	0	0
	point29	29	4875	70	168	70	560	65	0	0	0	0
	point30	30	4875	70	168	70	560	65	0	0	0	0
	point31	31										
Mesa Linda Street	point45	45	128	45	3	45	8	40	0	0	0	0
	point8	8	128	45	3	45	8	40	0	0	0	0
	point9	9										
Hwy 395 S. of Main Street	point47	47	1617	55	28	55	124	50	0	0	0	0
	point16	16	1617	55	28	55	124	50	0	0	0	0
	point17	17	1617	55	28	55	124	50	0	0	0	0
	point18	18	1617	55	28	55	124	50	0	0	0	0

	point19	19	1617	55	28	55	124	50	0	0	0	0
	point20	20	1617	55	28	55	124	50	0	0	0	0
	point21	21	1617	55	28	55	124	50	0	0	0	0
	point22	22	1617	55	28	55	124	50	0	0	0	0
	point23	23										
Poplar Street	point49	49	56	45	8	45	4	40	0	0	0	0
	point11	11	56	45	8	45	4	40	0	0	0	0
	point12	12										
Hwy 395 S. of Poplar Street	point50	50	1529	55	93	55	147	50	0	0	0	0
	point24	24										
Main Street - E. of Hwy 395	point51	51	1638	55	28	55	14	50	0	0	0	0
	point4	4										
Main Street-Mesa Linda St. to Cataba Rd	point52	52	1802	55	30	55	22	50	0	0	0	0
	point5	5										
Main Street-Cataba Rd to I-15	point53	53	1802	55	30	55	22	50	0	0	0	0
	point6	6										

Dudek 21 February 2022
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 13727
RUN: I15 Indstrl Prj Ph 2 aka Poplar 18 - Existing

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per	$ per	Top	Run:Rise	$ per			X	Y	Z	at	Seg Ht	Perturbs		On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	2,632.2	5,843.7	100.00	40.00	0.00	0	0		
									point3	3	2,624.0	4,904.1	100.00	40.00	0.00	0	0		
									point4	4	2,560.6	4,909.6	100.00	40.00	0.00	0	0		
									point5	5	2,567.5	4,777.4	100.00	40.00	0.00	0	0		
									point6	6	3,299.1	4,787.0	100.00	40.00	0.00	0	0		
									point7	7	3,292.2	4,902.7	100.00	40.00	0.00	0	0		
									point8	8	3,244.0	4,906.8	100.00	40.00	0.00	0	0		
									point9	9	3,246.7	5,849.3	100.00	40.00	0.00	0	0		
									point10	10	2,640.5	5,838.2	100.00	40.00					
Barrier 2	W	0.00	99.99	0.00				0.00	point18	18	5,931.2	6,994.6	100.00	40.00	0.00	0	0		
									point12	12	5,927.7	5,581.6	100.00	40.00	0.00	0	0		
									point13	13	5,781.9	5,369.8	100.00	40.00	0.00	0	0		
									point14	14	5,313.2	5,369.8	100.00	40.00	0.00	0	0		
									point15	15	5,306.2	6,838.4	100.00	40.00	0.00	0	0		
									point16	16	5,254.2	6,824.5	100.00	40.00	0.00	0	0		
									point2	2	5,257.6	6,991.2	100.00	40.00					
Barrier4	W	0.00	99.99	0.00				0.00	point19	19	4,708.1	8,603.6	100.00	6.00	0.00	0	0		
									point20	20	3,329.1	8,603.6	100.00	6.00					
Barrier5	W	0.00	99.99	0.00				0.00	point21	21	5,035.8	8,665.2	100.00	6.00	0.00	0	0		
									point22	22	5,649.9	8,663.9	100.00	6.00					
Barrier6	W	0.00	99.99	0.00				0.00	point23	23	6,456.7	6,487.8	100.00	20.00	0.00	0	0		
									point24	24	6,579.0	6,675.3	100.00	20.00	0.00	0	0		
									point25	25	6,642.8	6,637.4	100.00	20.00	0.00	0	0		
									point26	26	6,515.0	6,445.7	100.00	20.00	0.00	0	0		
									point27	27	6,451.2	6,484.8	100.00	20.00					

Dudek
MG
21 February 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 13727
RUN: I15 Indstrl Prj Ph 2 aka Poplar 18 - Existing
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	68.6	66	68.6	10	Snd Lvl	68.6	0.0	8	-8.0
ST2	2	1	0.0	59.8	66	59.8	10	----	59.8	0.0	8	-8.0
ST3	3	1	0.0	63.8	66	63.8	10	----	63.8	0.0	8	-8.0
M1	4	1	0.0	71.0	66	71.0	10	Snd Lvl	71.0	0.0	8	-8.0
M2	5	1	0.0	57.7	66	57.7	10	----	57.7	0.0	8	-8.0
M3	6	1	0.0	70.4	66	70.4	10	Snd Lvl	70.4	0.0	8	-8.0
M4	8	1	0.0	60.9	66	60.9	10	----	60.9	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	7	0.0	0.0	0.0
All Impacted	3	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek					**21 February 2022**							
MG					**TNM 2.5**							
INPUT: ROADWAYS							**Average pavement type shall be used unless**					
PROJECT/CONTRACT:	**13727**						**a State highway agency substantiates the use**					
RUN:	**I15 Ind Prj Ph 2 aka Poplar 18 - Ex w Prj**						**of a different type with the approval of FHWA**					
Roadway		**Points**										
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**			**Flow Control**			**Segment**		
				X	**Y**	**Z**	**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**	
	ft			ft	ft	ft		mph	%			
Main Street - W. of Hwy 395	100.0	point1	1	807.2	8,559.2	100.00				Average		
		point3	3	2,099.7	8,550.5	100.00						
Hwy 395 N. of Main Street	65.0	point37	37	2,185.5	9,286.6	100.00				Average		
		point14	14	2,103.8	8,566.0	100.00						
Cataba Road	45.0	point39	39	6,306.0	8,517.8	100.00				Average		
		point26	26	6,323.4	7,038.8	100.00				Average		
		point27	27	6,334.3	6,789.5	100.00						
I-15 NB	65.0	point41	41	4,447.5	2,852.2	100.00				Average		
		point33	33	5,307.0	4,186.3	100.00				Average		
		point34	34	6,185.4	5,519.5	100.00				Average		
		point35	35	7,783.6	8,021.5	100.00				Average		
		point2	2	9,496.1	10,661.3	100.00						
I-15 SB	65.0	point43	43	9,411.9	10,707.1	100.00				Average		
		point29	29	6,583.5	6,406.0	100.00				Average		
		point30	30	4,899.4	3,781.5	100.00				Average		
		point31	31	4,265.6	2,899.7	100.00						
Mesa Linda Street	40.0	point45	45	4,991.4	8,527.9	100.00				Average		
		point8	8	5,008.9	5,916.6	100.00				Average		
		point9	9	5,003.6	4,598.1	100.00						
Hwy 395 S. of Main Street	65.0	point47	47	2,105.5	8,538.8	100.00				Average		
		point16	16	2,000.9	7,420.6	100.00				Average		
		point17	17	2,017.4	7,037.6	100.00				Average		
		point18	18	2,074.3	6,735.8	100.00				Average		
		point19	19	2,201.1	6,379.3	100.00				Average		
		point20	20	2,288.6	6,138.7	100.00				Average		

		point21	21	2,317.1	6,008.6	100.00				Average	
		point22	22	2,334.5	5,840.2	100.00				Average	
		point23	23	2,367.6	4,614.0	100.00					
Poplar Street	65.0	point49	49	4,976.8	4,614.1	100.00				Average	
		point11	11	3,636.7	4,603.6	100.00				Average	
		point12	12	2,379.9	4,614.1	100.00					
Hwy 395 S. of Poplar Street	65.0	point50	50	2,367.6	4,614.0	100.00				Average	
		point24	24	2,364.2	3,357.2	100.00					
Main Street - E. of Hwy 395	100.0	point51	51	2,099.7	8,550.5	100.00				Average	
		point4	4	4,977.8	8,536.6	100.00					
Main Street-Mesa Linda St. to Cataba Rd	100.0	point52	52	4,977.8	8,536.6	100.00				Average	
		point5	5	6,303.1	8,547.6	100.00					
Main Street-Cataba Rd to I-15	100.0	point53	53	6,303.1	8,547.6	100.00				Average	
		point6	6	7,950.9	8,553.1	100.00					

Dudek **21 February 2022**
MG **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: 13727
RUN: I15 Ind Prj Ph 2 aka Poplar 18 - Ex w Prj

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Main Street - W. of Hwy 395	point1	1	1496	55	30	55	14	50	0	0	0	0
	point3	3										
Hwy 395 N. of Main Street	point37	37	1886	55	31	55	131	50	0	0	0	0
	point14	14										
Cataba Road	point39	39	638	45	5	45	2	40	0	0	0	0
	point26	26	638	45	5	45	2	40	0	0	0	0
	point27	27										
I-15 NB	point41	41	4875	70	168	70	560	65	0	0	0	0
	point33	33	4875	70	168	70	560	65	0	0	0	0
	point34	34	4875	70	168	70	560	65	0	0	0	0
	point35	35	4875	70	168	70	560	65	0	0	0	0
	point2	2										
I-15 SB	point43	43	4875	70	168	70	560	65	0	0	0	0
	point29	29	4875	70	168	70	560	65	0	0	0	0
	point30	30	4875	70	168	70	560	65	0	0	0	0
	point31	31										
Mesa Linda Street	point45	45	189	45	3	45	8	40	0	0	0	0
	point8	8	189	45	3	45	8	40	0	0	0	0
	point9	9										
Hwy 395 S. of Main Street	point47	47	1636	55	29	55	125	50	0	0	0	0
	point16	16	1636	55	29	55	125	50	0	0	0	0
	point17	17	1636	55	29	55	125	50	0	0	0	0
	point18	18	1636	55	29	55	125	50	0	0	0	0

	point19	19	1636	55	29	55	125	50	0	0	0	0
	point20	20	1636	55	29	55	125	50	0	0	0	0
	point21	21	1636	55	29	55	125	50	0	0	0	0
	point22	22	1636	55	29	55	125	50	0	0	0	0
	point23	23										
Poplar Street	point49	49	109	45	22	45	16	40	0	0	0	0
	point11	11	109	45	22	45	16	40	0	0	0	0
	point12	12										
Hwy 395 S. of Poplar Street	point50	50	1563	55	106	55	158	50	0	0	0	0
	point24	24										
Main Street - E. of Hwy 395	point51	51	1657	55	28	55	14	50	0	0	0	0
	point4	4										
Main Street-Mesa Linda St. to Cataba Rd	point52	52	1844	55	30	55	22	50	0	0	0	0
	point5	5										
Main Street-Cataba Rd to I-15	point53	53	1844	55	30	55	22	50	0	0	0	0
	point6	6										

Dudek
MG

21 February 2022
TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 13727
RUN: I15 Ind Prj Ph 2 aka Poplar 18 - Ex w Prj

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	5,230.5	8,654.1	100.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	4,299.0	8,694.7	100.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	6,467.0	8,873.1	100.00	5.00	0.00	66	10.0	8.0	Y
M1	4	1	6,447.7	6,498.4	100.00	5.00	0.00	66	10.0	8.0	Y
M2	5	1	3,268.1	4,508.8	100.00	5.00	0.00	66	10.0	8.0	Y
M3	6	1	2,469.0	3,910.1	100.00	5.00	0.00	66	10.0	8.0	Y
M4	8	1	5,255.5	8,692.6	100.00	5.00	0.00	66	10.0	8.0	Y

Dudek 21 February 2022
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 13727
RUN: I15 Ind Prj Ph 2 aka Poplar 18 - Ex w Prj

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per	$ per	Top	Run:Rise	$ per			X	Y	Z	at	Seg Ht	Perturbs		On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	2,632.2	5,843.7	100.00	40.00	0.00	0	0		
									point3	3	2,624.0	4,904.1	100.00	40.00	0.00	0	0		
									point4	4	2,560.6	4,909.6	100.00	40.00	0.00	0	0		
									point5	5	2,567.5	4,777.4	100.00	40.00	0.00	0	0		
									point6	6	3,299.1	4,787.0	100.00	40.00	0.00	0	0		
									point7	7	3,292.2	4,902.7	100.00	40.00	0.00	0	0		
									point8	8	3,244.0	4,906.8	100.00	40.00	0.00	0	0		
									point9	9	3,246.7	5,849.3	100.00	40.00	0.00	0	0		
									point10	10	2,640.5	5,838.2	100.00	40.00					
Barrier 2	W	0.00	99.99	0.00				0.00	point18	18	5,931.2	6,994.6	100.00	40.00	0.00	0	0		
									point12	12	5,927.7	5,581.6	100.00	40.00	0.00	0	0		
									point13	13	5,781.9	5,369.8	100.00	40.00	0.00	0	0		
									point14	14	5,313.2	5,369.8	100.00	40.00	0.00	0	0		
									point15	15	5,306.2	6,838.4	100.00	40.00	0.00	0	0		
									point16	16	5,254.2	6,824.5	100.00	40.00	0.00	0	0		
									point2	2	5,257.6	6,991.2	100.00	40.00					
Barrier4	W	0.00	99.99	0.00				0.00	point19	19	4,708.1	8,603.6	100.00	6.00	0.00	0	0		
									point20	20	3,329.1	8,603.6	100.00	6.00					
Barrier5	W	0.00	99.99	0.00				0.00	point21	21	5,035.8	8,665.2	100.00	6.00	0.00	0	0		
									point22	22	5,649.9	8,663.9	100.00	6.00					
Barrier6	W	0.00	99.99	0.00				0.00	point23	23	6,456.7	6,487.8	100.00	20.00	0.00	0	0		
									point24	24	6,579.0	6,675.3	100.00	20.00	0.00	0	0		
									point25	25	6,642.8	6,637.4	100.00	20.00	0.00	0	0		
									point26	26	6,515.0	6,445.7	100.00	20.00	0.00	0	0		
									point27	27	6,451.2	6,484.8	100.00	20.00					

Dudek
MG
21 February 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 13727
RUN: I15 Ind Prj Ph 2 aka Poplar 18 - Ex w Prj
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	68.7	66	68.7	10	Snd Lvl	68.7	0.0	8	-8.0
ST2	2	1	0.0	59.9	66	59.9	10	----	59.9	0.0	8	-8.0
ST3	3	1	0.0	63.9	66	63.9	10	----	63.9	0.0	8	-8.0
M1	4	1	0.0	71.0	66	71.0	10	Snd Lvl	71.0	0.0	8	-8.0
M2	5	1	0.0	60.4	66	60.4	10	----	60.4	0.0	8	-8.0
M3	6	1	0.0	70.7	66	70.7	10	Snd Lvl	70.7	0.0	8	-8.0
M4	8	1	0.0	61.0	66	61.0	10	----	61.0	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	7	0.0	0.0	0.0
All Impacted	3	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek					**21 February 2022**							
MG					**TNM 2.5**							
INPUT: ROADWAYS								**Average pavement type shall be used unless**				
PROJECT/CONTRACT:	**13727**							**a State highway agency substantiates the use**				
RUN:	**I15 Indstrl Prj Ph 2 aka Poplar 18 - 2040**							**of a different type with the approval of FHWA**				
Roadway		**Points**										
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**				**Flow Control**			**Segment**	
				X	**Y**	**Z**		**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**
	ft			ft	ft	ft			mph	%		
Main Street - W. of Hwy 395	100.0	point1	1	807.2	8,559.2	100.00					Average	
		point3	3	2,099.7	8,550.5	100.00						
Hwy 395 N. of Main Street	65.0	point37	37	2,185.5	9,286.6	100.00					Average	
		point14	14	2,103.8	8,566.0	100.00						
Cataba Road	45.0	point39	39	6,306.0	8,517.8	100.00					Average	
		point26	26	6,323.4	7,038.8	100.00					Average	
		point27	27	6,334.3	6,789.5	100.00						
I-15 NB	65.0	point41	41	4,447.5	2,852.2	100.00					Average	
		point33	33	5,307.0	4,186.3	100.00					Average	
		point34	34	6,185.4	5,519.5	100.00					Average	
		point35	35	7,783.6	8,021.5	100.00					Average	
		point2	2	9,496.1	10,661.3	100.00						
I-15 SB	65.0	point43	43	9,411.9	10,707.1	100.00					Average	
		point29	29	6,583.5	6,406.0	100.00					Average	
		point30	30	4,899.4	3,781.5	100.00					Average	
		point31	31	4,265.6	2,899.7	100.00						
Mesa Linda Street	40.0	point45	45	4,991.4	8,527.9	100.00					Average	
		point8	8	5,008.9	5,916.6	100.00					Average	
		point9	9	5,003.6	4,598.1	100.00						
Hwy 395 S. of Main Street	65.0	point47	47	2,105.5	8,538.8	100.00					Average	
		point16	16	2,000.9	7,420.6	100.00					Average	
		point17	17	2,017.4	7,037.6	100.00					Average	
		point18	18	2,074.3	6,735.8	100.00					Average	
		point19	19	2,201.1	6,379.3	100.00					Average	
		point20	20	2,288.6	6,138.7	100.00					Average	

		point21	21	2,317.1	6,008.6	100.00				Average	
		point22	22	2,334.5	5,840.2	100.00				Average	
		point23	23	2,367.6	4,614.0	100.00					
Poplar Street	65.0	point49	49	4,976.8	4,614.1	100.00				Average	
		point11	11	3,636.7	4,603.6	100.00				Average	
		point12	12	2,379.9	4,614.1	100.00					
Hwy 395 S. of Poplar Street	65.0	point50	50	2,367.6	4,614.0	100.00				Average	
		point24	24	2,364.2	3,357.2	100.00					
Main Street - E. of Hwy 395	100.0	point51	51	2,099.7	8,550.5	100.00				Average	
		point4	4	4,977.8	8,536.6	100.00					
Main Street-Mesa Linda St. to Cataba Rd	100.0	point52	52	4,977.8	8,536.6	100.00				Average	
		point5	5	6,303.1	8,547.6	100.00					
Main Street-Cataba Rd to I-15	100.0	point53	53	6,303.1	8,547.6	100.00				Average	
		point6	6	7,950.9	8,553.1	100.00					

Dudek **21 February 2022**
MG **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: 13727
RUN: I15 Indstrl Prj Ph 2 aka Poplar 18 - 2040

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Main Street - W. of Hwy 395	point1	1	1048	55	52	55	24	50	0	0	0	0
	point3	3										
Hwy 395 N. of Main Street	point37	37	4153	55	65	55	291	50	0	0	0	0
	point14	14										
Cataba Road	point39	39	638	45	5	45	2	40	0	0	0	0
	point26	26	638	45	5	45	2	40	0	0	0	0
	point27	27										
I-15 NB	point41	41	4875	70	168	70	560	65	0	0	0	0
	point33	33	4875	70	168	70	560	65	0	0	0	0
	point34	34	4875	70	168	70	560	65	0	0	0	0
	point35	35	4875	70	168	70	560	65	0	0	0	0
	point2	2										
I-15 SB	point43	43	4875	70	168	70	560	65	0	0	0	0
	point29	29	4875	70	168	70	560	65	0	0	0	0
	point30	30	4875	70	168	70	560	65	0	0	0	0
	point31	31										
Mesa Linda Street	point45	45	247	45	5	45	22	40	0	0	0	0
	point8	8	247	45	5	45	22	40	0	0	0	0
	point9	9										
Hwy 395 S. of Main Street	point47	47	3750	55	65	55	345	50	0	0	0	0
	point16	16	3750	55	65	55	345	50	0	0	0	0
	point17	17	3750	55	65	55	345	50	0	0	0	0
	point18	18	3750	55	65	55	345	50	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes **13727**

	point19	19	3750	55	65	55	345	50	0	0	0	0
	point20	20	3750	55	65	55	345	50	0	0	0	0
	point21	21	3750	55	65	55	345	50	0	0	0	0
	point22	22	3750	55	65	55	345	50	0	0	0	0
	point23	23										
Poplar Street	point49	49	684	45	102	45	98	40	0	0	0	0
	point11	11	684	45	102	45	98	40	0	0	0	0
	point12	12										
Hwy 395 S. of Poplar Street	point50	50	3135	55	181	55	468	50	0	0	0	0
	point24	24										
Main Street - E. of Hwy 395	point51	51	2608	55	47	55	26	50	0	0	0	0
	point4	4										
Main Street-Mesa Linda St. to Cataba Rd	point52	52	3209	55	60	55	41	50	0	0	0	0
	point5	5										
Main Street-Cataba Rd to I-15	point53	53	3209	55	60	55	41	50	0	0	0	0
	point6	6										

Dudek
MG

21 February 2022
TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 13727
RUN: I15 Indstrl Prj Ph 2 aka Poplar 18 - 2040

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	5,230.5	8,654.1	100.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	4,299.0	8,694.7	100.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	6,467.0	8,873.1	100.00	5.00	0.00	66	10.0	8.0	Y
M1	4	1	6,447.7	6,498.4	100.00	5.00	0.00	66	10.0	8.0	Y
M2	5	1	3,268.1	4,508.8	100.00	5.00	0.00	66	10.0	8.0	Y
M3	6	1	2,469.0	3,910.1	100.00	5.00	0.00	66	10.0	8.0	Y
M4	8	1	5,255.5	8,692.6	100.00	5.00	0.00	66	10.0	8.0	Y

Dudek 21 February 2022
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 13727
RUN: I15 Indstrl Prj Ph 2 aka Poplar 18 - 2040

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per	$ per	Top	Run:Rise	$ per			X	Y	Z	at	Seg Ht	Perturbs		On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	2,632.2	5,843.7	100.00	40.00	0.00	0	0		
									point3	3	2,624.0	4,904.1	100.00	40.00	0.00	0	0		
									point4	4	2,560.6	4,909.6	100.00	40.00	0.00	0	0		
									point5	5	2,567.5	4,777.4	100.00	40.00	0.00	0	0		
									point6	6	3,299.1	4,787.0	100.00	40.00	0.00	0	0		
									point7	7	3,292.2	4,902.7	100.00	40.00	0.00	0	0		
									point8	8	3,244.0	4,906.8	100.00	40.00	0.00	0	0		
									point9	9	3,246.7	5,849.3	100.00	40.00	0.00	0	0		
									point10	10	2,640.5	5,838.2	100.00	40.00					
Barrier 2	W	0.00	99.99	0.00				0.00	point18	18	5,931.2	6,994.6	100.00	40.00	0.00	0	0		
									point12	12	5,927.7	5,581.6	100.00	40.00	0.00	0	0		
									point13	13	5,781.9	5,369.8	100.00	40.00	0.00	0	0		
									point14	14	5,313.2	5,369.8	100.00	40.00	0.00	0	0		
									point15	15	5,306.2	6,838.4	100.00	40.00	0.00	0	0		
									point16	16	5,254.2	6,824.5	100.00	40.00	0.00	0	0		
									point2	2	5,257.6	6,991.2	100.00	40.00					
Barrier4	W	0.00	99.99	0.00				0.00	point19	19	4,708.1	8,603.6	100.00	6.00	0.00	0	0		
									point20	20	3,329.1	8,603.6	100.00	6.00					
Barrier5	W	0.00	99.99	0.00				0.00	point21	21	5,035.8	8,665.2	100.00	6.00	0.00	0	0		
									point22	22	5,649.9	8,663.9	100.00	6.00					
Barrier6	W	0.00	99.99	0.00				0.00	point23	23	6,456.7	6,487.8	100.00	20.00	0.00	0	0		
									point24	24	6,579.0	6,675.3	100.00	20.00	0.00	0	0		
									point25	25	6,642.8	6,637.4	100.00	20.00	0.00	0	0		
									point26	26	6,515.0	6,445.7	100.00	20.00	0.00	0	0		
									point27	27	6,451.2	6,484.8	100.00	20.00					

Dudek
MG
21 February 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 13727
RUN: I15 Indstrl Prj Ph 2 aka Poplar 18 - 2040
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	71.1	66	71.1	10	Snd Lvl	71.1	0.0	8	-8.0
ST2	2	1	0.0	61.9	66	61.9	10	----	61.9	0.0	8	-8.0
ST3	3	1	0.0	65.8	66	65.8	10	----	65.8	0.0	8	-8.0
M1	4	1	0.0	71.0	66	71.0	10	Snd Lvl	71.0	0.0	8	-8.0
M2	5	1	0.0	66.9	66	66.9	10	Snd Lvl	66.9	0.0	8	-8.0
M3	6	1	0.0	74.3	66	74.3	10	Snd Lvl	74.3	0.0	8	-8.0
M4	8	1	0.0	63.3	66	63.3	10	----	63.3	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	7	0.0	0.0	0.0
All Impacted	4	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek					**21 February 2022**							
MG					**TNM 2.5**							
INPUT: ROADWAYS								**Average pavement type shall be used unless**				
PROJECT/CONTRACT:	**13727**							**a State highway agency substantiates the use**				
RUN:	**I15 IndstrlPrjPh 2 aka Poplar 18 - 2040wP**							**of a different type with the approval of FHWA**				
Roadway		**Points**										
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**				**Flow Control**			**Segment**	
				X	**Y**	**Z**		**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**
	ft			ft	ft	ft			mph	%		
Main Street - W. of Hwy 395	100.0	point1	1	807.2	8,559.2	100.00					Average	
		point3	3	2,099.7	8,550.5	100.00						
Hwy 395 N. of Main Street	65.0	point37	37	2,185.5	9,286.6	100.00					Average	
		point14	14	2,103.8	8,566.0	100.00						
Cataba Road	45.0	point39	39	6,306.0	8,517.8	100.00					Average	
		point26	26	6,323.4	7,038.8	100.00					Average	
		point27	27	6,334.3	6,789.5	100.00						
I-15 NB	65.0	point41	41	4,447.5	2,852.2	100.00					Average	
		point33	33	5,307.0	4,186.3	100.00					Average	
		point34	34	6,185.4	5,519.5	100.00					Average	
		point35	35	7,783.6	8,021.5	100.00					Average	
		point2	2	9,496.1	10,661.3	100.00						
I-15 SB	65.0	point43	43	9,411.9	10,707.1	100.00					Average	
		point29	29	6,583.5	6,406.0	100.00					Average	
		point30	30	4,899.4	3,781.5	100.00					Average	
		point31	31	4,265.6	2,899.7	100.00						
Mesa Linda Street	40.0	point45	45	4,991.4	8,527.9	100.00					Average	
		point8	8	5,008.9	5,916.6	100.00					Average	
		point9	9	5,003.6	4,598.1	100.00						
Hwy 395 S. of Main Street	65.0	point47	47	2,105.5	8,538.8	100.00					Average	
		point16	16	2,000.9	7,420.6	100.00					Average	
		point17	17	2,017.4	7,037.6	100.00					Average	
		point18	18	2,074.3	6,735.8	100.00					Average	
		point19	19	2,201.1	6,379.3	100.00					Average	
		point20	20	2,288.6	6,138.7	100.00					Average	

		point21	21	2,317.1	6,008.6	100.00				Average	
		point22	22	2,334.5	5,840.2	100.00				Average	
		point23	23	2,367.6	4,614.0	100.00					
Poplar Street	65.0	point49	49	4,976.8	4,614.1	100.00				Average	
		point11	11	3,636.7	4,603.6	100.00				Average	
		point12	12	2,379.9	4,614.1	100.00					
Hwy 395 S. of Poplar Street	65.0	point50	50	2,367.6	4,614.0	100.00				Average	
		point24	24	2,364.2	3,357.2	100.00					
Main Street - E. of Hwy 395	100.0	point51	51	2,099.7	8,550.5	100.00				Average	
		point4	4	4,977.8	8,536.6	100.00					
Main Street-Mesa Linda St. to Cataba Rd	100.0	point52	52	4,977.8	8,536.6	100.00				Average	
		point5	5	6,303.1	8,547.6	100.00					
Main Street-Cataba Rd to I-15	100.0	point53	53	6,303.1	8,547.6	100.00				Average	
		point6	6	7,950.9	8,553.1	100.00					

Dudek **21 February 2022**
MG **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: 13727
RUN: I15 IndstrlPrjPh 2 aka Poplar 18 - 2040wP

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Main Street - W. of Hwy 395	point1	1	1048	55	52	55	24	50	0	0	0	0
	point3	3										
Hwy 395 N. of Main Street	point37	37	4183	55	66	55	292	50	0	0	0	0
	point14	14										
Cataba Road	point39	39	638	45	5	45	2	40	0	0	0	0
	point26	26	638	45	5	45	2	40	0	0	0	0
	point27	27										
I-15 NB	point41	41	4875	70	168	70	560	65	0	0	0	0
	point33	33	4875	70	168	70	560	65	0	0	0	0
	point34	34	4875	70	168	70	560	65	0	0	0	0
	point35	35	4875	70	168	70	560	65	0	0	0	0
	point2	2										
I-15 SB	point43	43	4875	70	168	70	560	65	0	0	0	0
	point29	29	4875	70	168	70	560	65	0	0	0	0
	point30	30	4875	70	168	70	560	65	0	0	0	0
	point31	31										
Mesa Linda Street	point45	45	308	45	5	45	22	40	0	0	0	0
	point8	8	308	45	5	45	22	40	0	0	0	0
	point9	9										
Hwy 395 S. of Main Street	point47	47	3769	55	66	55	346	50	0	0	0	0
	point16	16	3769	55	66	55	346	50	0	0	0	0
	point17	17	3769	55	66	55	346	50	0	0	0	0
	point18	18	3769	55	66	55	346	50	0	0	0	0

	point19	19	3769	55	66	55	346	50	0	0	0	0
	point20	20	3769	55	66	55	346	50	0	0	0	0
	point21	21	3769	55	66	55	346	50	0	0	0	0
	point22	22	3769	55	66	55	346	50	0	0	0	0
	point23	23										
Poplar Street	point49	49	737	45	116	45	110	40	0	0	0	0
	point11	11	737	45	116	45	110	40	0	0	0	0
	point12	12										
Hwy 395 S. of Poplar Street	point50	50	3169	55	194	55	479	50	0	0	0	0
	point24	24										
Main Street - E. of Hwy 395	point51	51	2627	55	47	55	26	50	0	0	0	0
	point4	4										
Main Street-Mesa Linda St. to Cataba Rd	point52	52	3251	55	60	55	41	50	0	0	0	0
	point5	5										
Main Street-Cataba Rd to I-15	point53	53	3251	55	60	55	41	50	0	0	0	0
	point6	6										

Dudek
MG

21 February 2022
TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 13727
RUN: I15 IndstrlPrjPh 2 aka Poplar 18 - 2040wP

Receiver

Name	No.	#DUs	Coordinates (ground)			Height above Ground	Input Sound Levels and Criteria				Active in Calc.
			X	Y	Z		Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	5,230.5	8,654.1	100.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	4,299.0	8,694.7	100.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	6,467.0	8,873.1	100.00	5.00	0.00	66	10.0	8.0	Y
M1	4	1	6,447.7	6,498.4	100.00	5.00	0.00	66	10.0	8.0	Y
M2	5	1	3,268.1	4,508.8	100.00	5.00	0.00	66	10.0	8.0	Y
M3	6	1	2,469.0	3,910.1	100.00	5.00	0.00	66	10.0	8.0	Y
M4	8	1	5,255.5	8,692.6	100.00	5.00	0.00	66	10.0	8.0	Y

Dudek 21 February 2022
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 13727
RUN: I15 IndstrlPrjPh 2 aka Poplar 18 - 2040wP

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per	$ per	Top	Run:Rise	$ per			X	Y	Z	at	Seg Ht	Perturbs		On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	2,632.2	5,843.7	100.00	40.00	0.00	0	0		
									point3	3	2,624.0	4,904.1	100.00	40.00	0.00	0	0		
									point4	4	2,560.6	4,909.6	100.00	40.00	0.00	0	0		
									point5	5	2,567.5	4,777.4	100.00	40.00	0.00	0	0		
									point6	6	3,299.1	4,787.0	100.00	40.00	0.00	0	0		
									point7	7	3,292.2	4,902.7	100.00	40.00	0.00	0	0		
									point8	8	3,244.0	4,906.8	100.00	40.00	0.00	0	0		
									point9	9	3,246.7	5,849.3	100.00	40.00	0.00	0	0		
									point10	10	2,640.5	5,838.2	100.00	40.00					
Barrier 2	W	0.00	99.99	0.00				0.00	point18	18	5,931.2	6,994.6	100.00	40.00	0.00	0	0		
									point12	12	5,927.7	5,581.6	100.00	40.00	0.00	0	0		
									point13	13	5,781.9	5,369.8	100.00	40.00	0.00	0	0		
									point14	14	5,313.2	5,369.8	100.00	40.00	0.00	0	0		
									point15	15	5,306.2	6,838.4	100.00	40.00	0.00	0	0		
									point16	16	5,254.2	6,824.5	100.00	40.00	0.00	0	0		
									point2	2	5,257.6	6,991.2	100.00	40.00					
Barrier4	W	0.00	99.99	0.00				0.00	point19	19	4,708.1	8,603.6	100.00	6.00	0.00	0	0		
									point20	20	3,329.1	8,603.6	100.00	6.00					
Barrier5	W	0.00	99.99	0.00				0.00	point21	21	5,035.8	8,665.2	100.00	6.00	0.00	0	0		
									point22	22	5,649.9	8,663.9	100.00	6.00					
Barrier6	W	0.00	99.99	0.00				0.00	point23	23	6,456.7	6,487.8	100.00	20.00	0.00	0	0		
									point24	24	6,579.0	6,675.3	100.00	20.00	0.00	0	0		
									point25	25	6,642.8	6,637.4	100.00	20.00	0.00	0	0		
									point26	26	6,515.0	6,445.7	100.00	20.00	0.00	0	0		
									point27	27	6,451.2	6,484.8	100.00	20.00					

Dudek
MG
21 February 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 13727
RUN: I15 IndstrlPrjPh 2 aka Poplar 18 - 2040wP
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	71.2	66	71.2	10	Snd Lvl	71.2	0.0	8	-8.0
ST2	2	1	0.0	61.9	66	61.9	10	----	61.9	0.0	8	-8.0
ST3	3	1	0.0	65.9	66	65.9	10	----	65.9	0.0	8	-8.0
M1	4	1	0.0	71.0	66	71.0	10	Snd Lvl	71.0	0.0	8	-8.0
M2	5	1	0.0	67.3	66	67.3	10	Snd Lvl	67.3	0.0	8	-8.0
M3	6	1	0.0	74.4	66	74.4	10	Snd Lvl	74.4	0.0	8	-8.0
M4	8	1	0.0	63.3	66	63.3	10	----	63.3	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	7	0.0	0.0	0.0
All Impacted	4	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Appendix H-4
On-Site Noise Modeling Data

MECHANICAL EQUIPMENT NOISE LEVEL

Input:

Equipment Locations / Source Noise Data

Site	X	Y	Elev. At Roof or Ground	Source Height	LwA Single Source	Number of Units	Sound Level at 50 feet Total	Equip. Location Site / Number
HVAC 1 Bldg 1	3708	4725	40	3	94.5	1	63	HVAC 1 Bldg 1 York ZF-048
HVAC 2 Bldg 1	3708	5110	40	3	94.5	1	63	HVAC 2 Bldg 1 York ZF-048
HVAC 3 Bldg 1	4810	5110	40	3	94.5	1	63	HVAC 3 Bldg 1 York ZF-048
HVAC 4 Bldg 1	4810	4725	40	3	94.5	1	63	HVAC 4 Bldg 1 York ZF-048

Frequency (in Hz) 500

Receivers at P.L. and Vicinity			Applicable Standard	Building Elevation	Roof Elevation
North PL Bldg 1	4261.442	5354.534	0	70	0 40
East PL Bldg 1	4983.534	4990.717	0	70	
West PL Bldg 1	3508.813	4960.18	0	70	
South PL Bldg 1	4275.349	4624.144	0	70	
Commercial to E	6444.12	6516.18	0	65	
Commercial to S	2979.26	4562.87	0	65	
Industrial to S	2488.04	3932.2	0	70	
Commercial to N	5279.72	8169.27	0	70	
Residential to North -	5273.55	8696.53	0	55	
Residential to North -	4221.49	8685.64	0	55	

Output:

Location: North PL Bldg 1 — 4261.4 — 5354.5 — 0.0 — Applicable Standard 70

Source Coordinates				Receiver Coordinates		Location-Equipment	Leq (h) at 50' (dBA)	Receiver Elevation (feet)	Source Elevation (feet)	Source to Receiver (feet)	Source to Barrier (feet)	Receiver to Barrier (feet)	Barrier (base) (feet)	Barrier Height (feet)	Fresnel No. at 500 Hz	Barrier Attenuation (dBA)	Leq w/o Barrier (dBA)	Leq w/Barrier (dBA)
Equip Site	X	Y	Z	X	Y													
HVAC 1 Bldg 1	3708	4725	40	4261.4416	5354.5344	York ZF-048	63	5	43.0	838	25	813	40	3.0	0.02	5	38	33
HVAC 2 Bldg 1	3708	5110	40	4261.4416	5354.5344	York ZF-048	63	5	43.0	605	25	580	40	3.0	0.05	6	41	35
HVAC 3 Bldg 1	4810	5110	40	4261.4416	5354.5344	York ZF-048	63	5	43.0	601	25	576	40	3.0	0.05	6	41	35
HVAC 4 Bldg 1	4810	4725	40	4261.4416	5354.5344	York ZF-048	63	5	43.0	835	25	810	40	3.0	0.02	5	38	33
																TOTAL Leq:	46	40
																	Without Barrier	With Barrier/ Parapet

MECHANICAL EQUIPMENT NOISE LEVEL

Input:

Equipment Locations / Source Noise Data

Site	X	Y	Elev. At Roof or Ground	Source Height	LwA Single Source	Number of Units	Sound Level at 50 feet Total	Equip. Location Site / Number
HVAC 1 Bldg 1	3708	4725	40	3	94.5	1	63	HVAC 1 Bldg 1 York ZF-048
HVAC 2 Bldg 1	3708	5110	40	3	94.5	1	63	HVAC 2 Bldg 1 York ZF-048
HVAC 3 Bldg 1	4810	5110	40	3	94.5	1	63	HVAC 3 Bldg 1 York ZF-048
HVAC 4 Bldg 1	4810	4725	40	3	94.5	1	63	HVAC 4 Bldg 1 York ZF-048

Frequency (in Hz) 500

Receivers at P.L. and Vicinity			Applicable Standard	Building Elevation	Roof Elevation
North PL Bldg 1	4261.442	5354.534	70	0	40
East PL Bldg 1	4983.534	4990.717	70	0	
West PL Bldg 1	3508.813	4960.18	70	0	
South PL Bldg 1	4275.349	4624.144	70	0	
Commercial to E	6444.12	6516.18	65	0	
Commercial to S	2979.26	4562.87	65	0	
Industrial to S	2488.04	3932.2	70	0	
Commercial to N	5279.72	8169.27	70	0	
Residential to North -	5273.55	8696.53	55	0	
Residential to North -	4221.49	8685.64	55	0	

Output:

Location: East PL Bldg 1 — 4983.5, 4990.7, 0.0 — Applicable Standard: 70

Source Coordinates				Receiver Coordinates		Location-Equipment	Leq (h) at 50' (dBA)	Receiver Elevation (feet)	Source Elevation (feet)	Source to Receiver (feet)	Source to Barrier (feet)	Receiver to Barrier (feet)	Barrier (base) (feet)	Barrier Height (feet)	Fresnel No. at 500 Hz	Barrier Attenuation (dBA)	Leq w/o Barrier (dBA)	Leq w/Barrier (dBA)
Equip Site	X	Y	Z	X	Y													
HVAC 1 Bldg 1	3708	4725	40	4983.5336	4990.7168	York ZF-048	63	5	43.0	1,303	25	1,278	40	3.0	0.01	5	35	29
HVAC 2 Bldg 1	3708	5110	40	4983.5336	4990.7168	York ZF-048	63	5	43.0	1,281	25	1,256	40	3.0	0.01	5	35	30
HVAC 3 Bldg 1	4810	5110	40	4983.5336	4990.7168	York ZF-048	63	5	43.0	211	25	186	40	3.0	0.40	10	50	40
HVAC 4 Bldg 1	4810	4725	40	4983.5336	4990.7168	York ZF-048	63	5	43.0	317	25	292	40	3.0	0.17	8	47	39
																TOTAL Leq:	52	43
																	Without Barrier	With Barrier/ Parapet

MECHANICAL EQUIPMENT NOISE LEVEL

Input:

Equipment Locations / Source Noise Data

Site	X	Y	Elev. At Roof or Ground	Source Height	LwA Single Source	Number of Units	Sound Level at 50 feet Total	Equip. Location Site / Number
HVAC 1 Bldg 1	3708	4725	40	3	94.5	1	63	HVAC 1 Bldg 1 York ZF-048
HVAC 2 Bldg 1	3708	5110	40	3	94.5	1	63	HVAC 2 Bldg 1 York ZF-048
HVAC 3 Bldg 1	4810	5110	40	3	94.5	1	63	HVAC 3 Bldg 1 York ZF-048
HVAC 4 Bldg 1	4810	4725	40	3	94.5	1	63	HVAC 4 Bldg 1 York ZF-048

Frequency (in Hz) 500

Receivers at P.L. and Vicinity			Applicable Standard	Building Elevation	Roof Elevation
North PL Bldg 1	4261.442	5354.534	70	0	40
East PL Bldg 1	4983.534	4990.717	70	0	
West PL Bldg 1	3508.813	4960.18	70	0	
South PL Bldg 1	4275.349	4624.144	70	0	
Commercial to E	6444.12	6516.18	65	0	
Commercial to S	2979.26	4562.87	65	0	
Industrial to S	2488.04	3932.2	70	0	
Commercial to N	5279.72	8169.27	70	0	
Residential to North -	5273.55	8696.53	55	0	
Residential to North -	4221.49	8685.64	55	0	

Output:

Location: West PL Bldg 1 — 3508.8, 4960.2, 0.0 — Applicable Standard: 70

Source Coordinates				Receiver Coordinates		Location-Equipment	Leq (h) at 50' (dBA)	Receiver Elevation (feet)	Source Elevation (feet)	Source to Receiver (feet)	Source to Barrier (feet)	Receiver to Barrier (feet)	Barrier (base) (feet)	Barrier Height (feet)	Fresnel No. at 500 Hz	Barrier Attenuation (dBA)	Leq w/o Barrier (dBA)	Leq w/Barrier (dBA)
Equip Site	X	Y	Z	X	Y													
HVAC 1 Bldg 1	3708	4725	40	3508.8128	4960.18	York ZF-048	63	5	43.0	308	25	283	40	3.0	0.18	8	47	39
HVAC 2 Bldg 1	3708	5110	40	3508.8128	4960.18	York ZF-048	63	5	43.0	249	25	224	40	3.0	0.28	9	49	39
HVAC 3 Bldg 1	4810	5110	40	3508.8128	4960.18	York ZF-048	63	5	43.0	1,310	25	1,285	40	3.0	0.01	5	34	29
HVAC 4 Bldg 1	4810	4725	40	3508.8128	4960.18	York ZF-048	63	5	43.0	1,322	25	1,297	40	3.0	0.01	5	34	29
																TOTAL Leq:	51	43
																	Without Barrier	With Barrier/ Parapet

MECHANICAL EQUIPMENT NOISE LEVEL

Input:

Equipment Locations / Source Noise Data

Site	X	Y	Elev. At Roof or Ground	Source Height	LwA Single Source	Number of Units	Sound Level at 50 feet Total	Equip. Location Site / Number
HVAC 1 Bldg 1	3708	4725	40	3	94.5	1	63	HVAC 1 Bldg 1 York ZF-048
HVAC 2 Bldg 1	3708	5110	40	3	94.5	1	63	HVAC 2 Bldg 1 York ZF-048
HVAC 3 Bldg 1	4810	5110	40	3	94.5	1	63	HVAC 3 Bldg 1 York ZF-048
HVAC 4 Bldg 1	4810	4725	40	3	94.5	1	63	HVAC 4 Bldg 1 York ZF-048

Frequency (in Hz) 500

Receivers at P.L. and Vicinity			Applicable Standard	Building Elevation	Roof Elevation
North PL Bldg 1	4261.442	5354.534	70	0	40
East PL Bldg 1	4983.534	4990.717	70	0	
West PL Bldg 1	3508.813	4960.18	70	0	
South PL Bldg 1	4275.349	4624.144	70	0	
Commercial to E	6444.12	6516.18	65	0	
Commercial to S	2979.26	4562.87	65	0	
Industrial to S	2488.04	3932.2	70	0	
Commercial to N	5279.72	8169.27	70	0	
Residential to North -	5273.55	8696.53	55	0	
Residential to North -	4221.49	8685.64	55	0	

Output:

Location: South PL Bldg 1 — 4275.3 — 4624.1 — 0.0 — Applicable Standard 70

Equip Site	Source Coordinates X	Y	Z	Receiver Coordinates X	Y	Location-Equipment	Leq (h) at 50' (dBA)	Receiver Elevation (feet)	Source Elevation (feet)	Source to Receiver (feet)	Source to Barrier (feet)	Receiver to Barrier (feet)	Barrier (base) (feet)	Barrier Height (feet)	Fresnel No. at 500 Hz	Barrier Attenuation (dBA)	Leq w/o Barrier (dBA)	Leq w/Barrier (dBA)
HVAC 1 Bldg 1	3708	4725	40	4275.3488	4624.144	York ZF-048	63	5	43.0	576	25	551	40	3.0	0.05	6	42	36
HVAC 2 Bldg 1	3708	5110	40	4275.3488	4624.144	York ZF-048	63	5	43.0	747	25	722	40	3.0	0.03	6	39	34
HVAC 3 Bldg 1	4810	5110	40	4275.3488	4624.144	York ZF-048	63	5	43.0	722	25	697	40	3.0	0.03	6	40	34
HVAC 4 Bldg 1	4810	4725	40	4275.3488	4624.144	York ZF-048	63	5	43.0	544	25	519	40	3.0	0.06	6	42	36
																TOTAL Leq:	47	41
																	Without Barrier	With Barrier/ Parapet

MECHANICAL EQUIPMENT NOISE LEVEL

Input:

Equipment Locations / Source Noise Data

Site	X	Y	Elev. At Roof or Ground	Source Height	LwA Single Source	Number of Units	Sound Level at 50 feet Total	Equip. Location Site / Number		Frequency (in Hz)	500
HVAC 1 Bldg 1	3708	4725	40	3	94.5	1	63	HVAC 1 Bldg 1	York ZF-048		
HVAC 2 Bldg 1	3708	5110	40	3	94.5	1	63	HVAC 2 Bldg 1	York ZF-048		
HVAC 3 Bldg 1	4810	5110	40	3	94.5	1	63	HVAC 3 Bldg 1	York ZF-048		
HVAC 4 Bldg 1	4810	4725	40	3	94.5	1	63	HVAC 4 Bldg 1	York ZF-048		

Receivers at P.L. and Vicinity				Applicable Standard	Building Elevation	Roof Elevation
North PL Bldg 1	4261.442	5354.534	0	70	0	40
East PL Bldg 1	4983.534	4990.717	0	70		
West PL Bldg 1	3508.813	4960.18	0	70		
South PL Bldg 1	4275.349	4624.144	0	70		
Commercial to E	6444.12	6516.18	0	65		
Commercial to S	2979.26	4562.87	0	65		
Industrial to S	2488.04	3932.2	0	70		
Commercial to N	5279.72	8169.27	0	70		
Residential to North -	5273.55	8696.53	0	55		
Residential to North -	4221.49	8685.64	0	55		

Output:

Location: Commercial to E				Applicable Standard											
				6444.1	6516.2	0.0		65							
Source Coordinates				Receiver Coordinates		Location-Equipment	Leq (h) at 50' (dBA)	Receiver Elevation (feet)	Source Elevation (feet)	Source to Receiver (feet)	Source to Barrier (feet)	Receiver to Barrier (feet)	Barrier (base) (feet)	Barrier Height (feet)	Fresnel No. at 500 Hz	Barrier Attenuation (dBA)	Leq w/o Barrier (dBA)	Leq w/Barrier (dBA)
Equip Site	X	Y	Z	X	Y													
HVAC 1 Bldg 1	3708	4725	40	6444.12	6516.18	York ZF-048	63	5	43.0	3,270	25	3,245	40	3.0	0.00	5	27	22
HVAC 2 Bldg 1	3708	5110	40	6444.12	6516.18	York ZF-048	63	5	43.0	3,076	25	3,051	40	3.0	0.00	5	27	22
HVAC 3 Bldg 1	4810	5110	40	6444.12	6516.18	York ZF-048	63	5	43.0	2,156	25	2,131	40	3.0	0.00	5	30	25
HVAC 4 Bldg 1	4810	4725	40	6444.12	6516.18	York ZF-048	63	5	43.0	2,425	25	2,400	40	3.0	0.00	5	29	24
																TOTAL Leq:	34	30
																	Without Barrier	With Barrier/ Parapet

MECHANICAL EQUIPMENT NOISE LEVEL

Input:

Equipment Locations / Source Noise Data

Site	X	Y	Elev. At Roof or Ground	Source Height	LwA Single Source	Number of Units	Sound Level at 50 feet Total	Equip. Location Site / Number		Frequency (in Hz)	500
HVAC 1 Bldg 1	3708	4725	40	3	94.5	1	63	HVAC 1 Bldg 1	York ZF-048		
HVAC 2 Bldg 1	3708	5110	40	3	94.5	1	63	HVAC 2 Bldg 1	York ZF-048		
HVAC 3 Bldg 1	4810	5110	40	3	94.5	1	63	HVAC 3 Bldg 1	York ZF-048		
HVAC 4 Bldg 1	4810	4725	40	3	94.5	1	63	HVAC 4 Bldg 1	York ZF-048		

Receivers at P.L. and Vicinity				Applicable Standard	Building Elevation	Roof Elevation
North PL Bldg 1	4261.442	5354.534	0	70	0	40
East PL Bldg 1	4983.534	4990.717	0	70		
West PL Bldg 1	3508.813	4960.18	0	70		
South PL Bldg 1	4275.349	4624.144	0	70		
Commercial to E	6444.12	6516.18	0	65		
Commercial to S	2979.26	4562.87	0	65		
Industrial to S	2488.04	3932.2	0	70		
Commercial to N	5279.72	8169.27	0	70		
Residential to North -	5273.55	8696.53	0	55		
Residential to North -	4221.49	8685.64	0	55		

Output:

				Location:				Applicable Standard									
				Commercial to S			2979.3	4562.9	0.0		65						
	Source Coordinates			Receiver Coordinates		Location-Equipment	Leq (h) at 50' (dBA)	Receiver Elevation (feet)	Source Elevation (feet)	Source to Receiver (feet)	Source to Barrier (feet)	Receiver to Barrier (feet)	Barrier (base) (feet)	Barrier Height (feet)	Fresnel No. at 500 Hz	Barrier Attenuation (dBA)	Leq w/o Barrier (dBA)	Leq w/Barrier (dBA)
Equip Site	X	Y	Z	X	Y													
HVAC 1 Bldg 1	3708	4725	40	2979.26	4562.87	York ZF-048	63	5	43.0	747	25	722	40	3.0	0.03	6	39	34
HVAC 2 Bldg 1	3708	5110	40	2979.26	4562.87	York ZF-048	63	5	43.0	911	25	886	40	3.0	0.02	5	38	32
HVAC 3 Bldg 1	4810	5110	40	2979.26	4562.87	York ZF-048	63	5	43.0	1,911	25	1,886	40	3.0	0.00	5	31	26
HVAC 4 Bldg 1	4810	4725	40	2979.26	4562.87	York ZF-048	63	5	43.0	1,838	25	1,813	40	3.0	0.00	5	32	27
																TOTAL Leq:	42	37
																	Without Barrier	With Barrier/ Parapet

MECHANICAL EQUIPMENT NOISE LEVEL

Input:

Equipment Locations / Source Noise Data

Site	X	Y	Elev. At Roof or Ground	Source Height	LwA Single Source	Number of Units	Sound Level at 50 feet Total	Equip. Location Site / Number		Frequency (in Hz)	500
HVAC 1 Bldg 1	3708	4725	40	3	94.5	1	63	HVAC 1 Bldg 1	York ZF-048		
HVAC 2 Bldg 1	3708	5110	40	3	94.5	1	63	HVAC 2 Bldg 1	York ZF-048		
HVAC 3 Bldg 1	4810	5110	40	3	94.5	1	63	HVAC 3 Bldg 1	York ZF-048		
HVAC 4 Bldg 1	4810	4725	40	3	94.5	1	63	HVAC 4 Bldg 1	York ZF-048		

Receivers at P.L. and Vicinity				Applicable Standard	Building Elevation	Roof Elevation
North PL Bldg 1	4261.442	5354.534	0	70	0	40
East PL Bldg 1	4983.534	4990.717	0	70		
West PL Bldg 1	3508.813	4960.18	0	70		
South PL Bldg 1	4275.349	4624.144	0	70		
Commercial to E	6444.12	6516.18	0	65		
Commercial to S	2979.26	4562.87	0	65		
Industrial to S	2488.04	3932.2	0	70		
Commercial to N	5279.72	8169.27	0	70		
Residential to North -	5273.55	8696.53	0	55		
Residential to North -	4221.49	8685.64	0	55		

Output:

				Location:				Applicable Standard									
				Industrial to S			2488.0	3932.2	0.0			70					
	Source Coordinates			Receiver Coordinates		Location-Equipment	Leq (h) at 50' (dBA)	Receiver Elevation (feet)	Source Elevation (feet)	Source to Receiver (feet)	Source to Barrier (feet)	Receiver to Barrier (feet)	Barrier (base) (feet)	Barrier Height (feet)	Fresnel No. at 500 Hz	Barrier Attenuation (dBA)	Leq w/o Barrier (dBA)	Leq w/Barrier (dBA)
Equip Site	X	Y	Z	X	Y													
HVAC 1 Bldg 1	3708	4725	40	2488.04	3932.2	York ZF-048	63	5	43.0	1,455	25	1,430	40	3.0	0.01	5	34	29
HVAC 2 Bldg 1	3708	5110	40	2488.04	3932.2	York ZF-048	63	5	43.0	1,696	25	1,671	40	3.0	0.01	5	32	27
HVAC 3 Bldg 1	4810	5110	40	2488.04	3932.2	York ZF-048	63	5	43.0	2,604	25	2,579	40	3.0	0.00	5	28	24
HVAC 4 Bldg 1	4810	4725	40	2488.04	3932.2	York ZF-048	63	5	43.0	2,454	25	2,429	40	3.0	0.00	5	29	24
																TOTAL Leq:	37	32
																	Without Barrier	With Barrier/ Parapet

MECHANICAL EQUIPMENT NOISE LEVEL

Input:

Equipment Locations / Source Noise Data

Site	X	Y	Elev. At Roof or Ground	Source Height	LwA Single Source	Number of Units	Sound Level at 50 feet Total	Equip. Location Site / Number		Frequency (in Hz)	500
HVAC 1 Bldg 1	3708	4725	40	3	94.5	1	63	HVAC 1 Bldg 1	York ZF-048		
HVAC 2 Bldg 1	3708	5110	40	3	94.5	1	63	HVAC 2 Bldg 1	York ZF-048		
HVAC 3 Bldg 1	4810	5110	40	3	94.5	1	63	HVAC 3 Bldg 1	York ZF-048		
HVAC 4 Bldg 1	4810	4725	40	3	94.5	1	63	HVAC 4 Bldg 1	York ZF-048		

Receivers at P.L. and Vicinity				Applicable Standard	Building Elevation	Roof Elevation
North PL Bldg 1	4261.442	5354.534	0	70	0	40
East PL Bldg 1	4983.534	4990.717	0	70		
West PL Bldg 1	3508.813	4960.18	0	70		
South PL Bldg 1	4275.349	4624.144	0	70		
Commercial to E	6444.12	6516.18	0	65		
Commercial to S	2979.26	4562.87	0	65		
Industrial to S	2488.04	3932.2	0	70		
Commercial to N	5279.72	8169.27	0	65		
Residential to North -	5273.55	8696.53	0	55		
Residential to North -	4221.49	8685.64	0	55		

Output:

				Location:				Applicable Standard									
				Commercial to N			5279.7	8169.3	0.0		65						
	Source Coordinates			Receiver Coordinates		Location-Equipment	Leq (h) at 50' (dBA)	Receiver Elevation (feet)	Source Elevation (feet)	Source to Receiver (feet)	Source to Barrier (feet)	Receiver to Barrier (feet)	Barrier (base) (feet)	Barrier Height (feet)	Fresnel No. at 500 Hz	Barrier Attenuation (dBA)	Leq w/o Barrier (dBA)	Leq w/Barrier (dBA)
Equip Site	X	Y	Z	X	Y													
HVAC 1 Bldg 1	3708	4725	40	5279.72	8169.27	York ZF-048	63	5	43.0	3,786	25	3,761	40	3.0	0.00	5	25	20
HVAC 2 Bldg 1	3708	5110	40	5279.72	8169.27	York ZF-048	63	5	43.0	3,439	25	3,414	40	3.0	0.00	5	26	21
HVAC 3 Bldg 1	4810	5110	40	5279.72	8169.27	York ZF-048	63	5	43.0	3,095	25	3,070	40	3.0	0.00	5	27	22
HVAC 4 Bldg 1	4810	4725	40	5279.72	8169.27	York ZF-048	63	5	43.0	3,476	25	3,451	40	3.0	0.00	5	26	21
																TOTAL Leq:	32	27
																	Without Barrier	With Barrier/ Parapet

MECHANICAL EQUIPMENT NOISE LEVEL

Input:

Equipment Locations / Source Noise Data

Site	X	Y	Elev. At Roof or Ground	Source Height	LwA Single Source	Number of Units	Sound Level at 50 feet Total	Equip. Location Site / Number		Frequency (in Hz)	500
HVAC 1 Bldg 1	3708	4725	40	3	94.5	1	63	HVAC 1 Bldg 1	York ZF-048		
HVAC 2 Bldg 1	3708	5110	40	3	94.5	1	63	HVAC 2 Bldg 1	York ZF-048		
HVAC 3 Bldg 1	4810	5110	40	3	94.5	1	63	HVAC 3 Bldg 1	York ZF-048		
HVAC 4 Bldg 1	4810	4725	40	3	94.5	1	63	HVAC 4 Bldg 1	York ZF-048		

Receivers at P.L. and Vicinity				Applicable Standard	Building Elevation	Roof Elevation
North PL Bldg 1	4261.442	5354.534	0	70	0	40
East PL Bldg 1	4983.534	4990.717	0	70		
West PL Bldg 1	3508.813	4960.18	0	70		
South PL Bldg 1	4275.349	4624.144	0	70		
Commercial to E	6444.12	6516.18	0	65		
Commercial to S	2979.26	4562.87	0	65		
Industrial to S	2488.04	3932.2	0	70		
Commercial to N	5279.72	8169.27	0	70		
Residential to North -	5273.55	8696.53	0	55		
Residential to North -	4221.49	8685.64	0	55		

Output:

Location: Residential to North - Bldg1 | 5273.6 | 8696.5 | 0.0 | Applicable Standard: 55

Source Coordinates				Receiver Coordinates		Location-Equipment	Leq (h) at 50' (dBA)	Receiver Elevation (feet)	Source Elevation (feet)	Source to Receiver (feet)	Source to Barrier (feet)	Receiver to Barrier (feet)	Barrier (base) (feet)	Barrier Height (feet)	Fresnel No. at 500 Hz	Barrier Attenuation (dBA)	Leq w/o Barrier (dBA)	Leq w/Barrier (dBA)
Equip Site	X	Y	Z	X	Y													
HVAC 1 Bldg 1	3708	4725	40	5273.55	8696.53	York ZF-048	63	5	43.0	4,269	25	4,244	40	3.0	0.00	5	24	19
HVAC 2 Bldg 1	3708	5110	40	5273.55	8696.53	York ZF-048	63	5	43.0	3,913	25	3,888	40	3.0	0.00	5	25	20
HVAC 3 Bldg 1	4810	5110	40	5273.55	8696.53	York ZF-048	63	5	43.0	3,616	25	3,591	40	3.0	0.00	5	26	21
HVAC 4 Bldg 1	4810	4725	40	5273.55	8696.53	York ZF-048	63	5	43.0	3,998	25	3,973	40	3.0	0.00	5	25	20
																TOTAL Leq:	31	26
																	Without Barrier	With Barrier/ Parapet

Appendix I
Transportation Attachments

Amanda Meroux

From: Justin Schlaefli <Jschlaefli@tkeengineering.com>
Sent: Monday, December 6, 2021 2:17 PM
To: Lisa Valdez; Michael Thornton - City Engineer; Ryan Leonard - Senior Planner
Cc: Patrick Cruz; Sean Kilkenny; Amanda Meroux
Subject: Re: Poplar 18 Transportation Scoping Memo- #2

Lisa,

It appears my comments were addressed. Thank you. I will forward a recommendation to approve the scoping agreement and we will return the form once signed.

Thank you,

Justin Schlaefli, P.E., T.E., PTOE | Resident Engineer
TKE ENGINEERING, INC. | Civil Engineering Consultants
d: 619.818.6465 | o: 951.680.0440 | jschlaefli@tkeengineering.com
73710 Fred Waring Drive #104 | Palm Desert, CA 92260 | www.TKEengineering.com



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From: Lisa Valdez <lvaldez@dudek.com>
Sent: Monday, December 6, 2021 1:20:33 PM
To: Michael Thornton - City Engineer; Ryan Leonard - Senior Planner; Justin Schlaefli
Cc: Patrick Cruz; Sean Kilkenny; Amanda Meroux
Subject: RE: Poplar 18 Transportation Scoping Memo- #2

Good afternoon,

I understand that the City's computer and phone system were down at the time the email below was sent. I am resending this, just in case!

Thanks,

Lisa Valdez
Senior Transportation Planner
DUDEK
621 Chapala Street, Santa Barbara, CA 93101
O: 805.308.8505 C: 805.450.2583
www.dudek.com

From: Lisa Valdez
Sent: Thursday, December 2, 2021 11:34 AM
To: Michael Thornton - City Engineer <mthornton@cityofhesperia.us>; Ryan Leonard - Senior Planner <rleonard@cityofhesperia.us>; jschlaefli@tkeengineering.com
Cc: Patrick Cruz <pcruz@dudek.com>; Sean Kilkenny <skilkenny@dudek.com>; Amanda Meroux <ameroux@dudek.com>
Subject: Poplar 18 Transportation Scoping Memo- #2

Good morning,

In response to comments received from the City/TKE Engineering (11/17/21), we are submitting a revised Transportation Scoping memo and Agreement for the Poplar 18 project. The documents are attached for your review. Please let us know if you have any questions.

Thanks!

Lisa Valdez
Senior Transportation Planner
DUDEK
621 Chapala Street, Santa Barbara, CA 93101
O: 805.308.8505 C: 805.450.2583
www.dudek.com

SCOPING AGREEMENT FOR TRAFFIC IMPACT STUDY

This letter acknowledges the City of Hesperia requirements for Traffic impact analysis of the following project. The analysis must follow either the Riverside County Transportation Department Traffic Study Guidelines dated **December 2020**; or San Bernardino County Transportation Authority (SBCTA) congestion management plan(CMP) guidelines and City of Hesperia approved TIA guidelines, as applicable.

Case No.
Related Cases-
SP No.
EIR No.
GPA No.
CZ No.
Project Name: Poplar 18 Industrial
Project Address: Between the Interstate 15 (I-15) and U.S. Highway 395 (US 395), south of Main Street and north of Poplar Street in the City of Hesperia
Project Description Development of 414,700 square feet (SF) industrial/warehousing across two buildings. Project to be evaluated in one phase.

	Consultant	Developer
Name:	Dudek	Covington Realty Advisors, LLC
Address:	38 North Marengo Avenue	14180 Dallas Parkway, Suite 730
	Pasadena, California 91101	Dallas, Texas 75254
Telephone:	(626) 204-9800	
Fax:	(626) 204-9834	

A. Trip Generation Source: ITE Trip Generation, 10th Edition (2017); High Cube Warehouse Trip Generation Study (WSP, January 2019)

Current GP Land Use RC/CIBP
Current Zoning RC/CIBP
Proposed Land Use CIBP
Proposed Zoning CIBP

	Current Trip Generation			Proposed Trip Generation **(PCE)**		
	In	Out	Total	In	Out	Total
AM Trips	0	0	0	147	27	174
PM Trips	0	0	0	32	142	174

Internal Trip Allowance ☐ Yes ☑ No (_____%Trip Discount)
Pass-By Trip Allowance ☐ Yes ☑ No (_____%Trip Discount)

B. Trip Geographic Distribution: N____% S____% E____% W____% **(VARIES)**
(See attached exhibits for detailed assignment)

C. Background Traffic

Project Build-out Year 2024
Annual Ambient Growth Rate: 2.0/yr
Phase Year(s) N/A
Other area projects to be analyzed: Project list attached per correspondence with City of Hesperia Planning Department (May 4, 2021)
Model/ Forecast methodology: San Bernardino County Transportation Analysis Model (SBTAM)

D. Study Intersections: (NOTE: Subject to revision after other projects, trip generation and distribution are determined, or comments from other agencies)

See attachment

E. Study Roadway Segments: (NOTE: Subject to revision after other projects, trip generation and distribution are determined, or comments from other agencies)

F. Other Jurisdictional Impacts

Is this project within a City's Sphere of Influence or one- mile radius of City boundaries? ☑ **Yes** ☐ No
If so, name of City Jurisdiction: Unincorporated County of San Bernardino; Caltrans

G. Site Plan (Provide reduced copy) **See Exhibit 1**

H. Specific issues to be addressed in the Study (in addition to the standard analysis described in the Guideline) (To be filled out by local agency)

Vehicle Miles Traveled (VMT) Analysis
Truck turning exhibits
95th percentile queuing analysis
Existing and future roadway cross sections

J. Existing Conditions

Traffic count data must be new or recent within one year. Provide traffic count dates if using other than new counts.
Date of counts See attached scoping letter detailing the proposed methodology

Recommended by:

Lisa Valdez
Consultant's Representative

10/01/21
Date

Scoping Agreement Submitted on 10/1/21
Revised on 12/2/21

Approved Scoping Agreement:

City Engineer

Date

605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 F 760.632.0164

December 2, 2021 13727

Mr. Ryan Leonard, AICP
City of Hesperia
9700 Seventh Avenue
Hesperia, CA 92345

Subject: Poplar 18 Industrial Project Traffic Impact Analysis Scoping Agreement

Dear Mr. Leonard:

Dudek appreciates the opportunity to provide this scoping letter regarding the traffic impact analysis (TIA) for the Poplar Industrial Park Project (proposed project/project) in the City of Hesperia (City). The proposed project is located between the Interstate 15 (I-15) and U.S. Highway 395 (US Hwy 395), south of Main Street and north of Poplar Street, on the western side of the City. See Figure 1 for the project location and proposed study area.

This letter describes the anticipated trip generation and trip distribution of the proposed project and provides the proposed analysis methodology for the TIA. The methodology in this scoping letter is based on the July 2020 City of Hesperia TIA Guidelines for Vehicle Miles Traveled (VMT) and Level of Service Assessment (LOS) (TIA Guidelines).

Project Description

The Project would include construction of an industrial/warehouse building with associated office spaces, surface parking, and loading areas on 17.63-acres of vacant land. The building would be approximately 414,700 square feet (SF) (see Figure 2). The project is anticipated to begin construction in 2022, with an Opening Year of 2024.

Access to the project site is proposed along Poplar Street, Lassen Road, and Mesa Linda Street. Four project access driveways would be provided, as shown in Figure 2: two driveways on the western side of the site off Lassen Road and two driveways on the easternmost side of the project site along Mesa Linda Street. Paved passenger vehicle parking areas would be provided along the east and west side of the building, while tractor-trailer stalls and loading docks would be provided on the north side of the building.

Trip Generation

Trip generation estimates for the proposed project are based on daily and AM and PM peak hour trip generation rates obtained from the Institute of Transportation Engineers (ITE) *Trip Generation Handbook, 11th Edition* (2021) and the *Transportation Uniform Mitigation Fee (TUMF) High-Cube Warehouse Trip Generation Study* (WSP, January 29, 2019). Additionally, Passenger car equivalent (PCE) factors were applied to the trip generation estimates to account for truck traffic. The San Bernardino County Congestion Management Program (CMP) (2016 Update) indicates that projects with high truck percentages should convert project trips to PCE. A 1.5 PCE factor was applied to 2-axle trucks, 2.0 PCE for 3-axle trucks, and a 3.0 PCE factor was applied to 4-axle trucks per Appendix B of the San Bernardino County CMP.

The layout of the building is most representative of a high-cube warehousing land use. However, as a specific end-user is not in place for the proposed project, a 35% General Light Industrial and 65% High-Cube Warehousing split of the total building square footage, consistent with the splits used in the Hesperia Commerce Center II Traffic Impact Analysis (July 2, 2020), is applied to provide a conservative analysis. The General Light Industrial trip rate is higher (approximately 6 times higher in the AM peak hour and 4 times higher in the PM peak hour) than the High-Cube Fulfillment Center Warehouse trip rate. Thus, incorporation of the industrial trip rate split, in the event that a small portion of the building is converted to a more industrial-specific land use, increases the total trip generation estimate compared to a warehousing-only estimate, the expected sole land use of the facility. As such, the following vehicle-mix and land use assumptions were made to provide a conservative analysis:

- **General Light Industrial (ITE Code 110)** trip rates were used to obtain trip generation estimates for 35% of the project, totaling approximately 145,145 SF of the total estimated building area. As the ITE *Trip Generation Handbook* does not provide information regarding the type of vehicle generated for light industrial uses, vehicle mixes data and percentages from the Fontana Truck Trip Generation Study, August, 2004 for Light Industrial land use are utilized.

- **High-Cube Fulfillment Center Warehouse** trip rates were used to obtain trip generation estimates for 65% of the project, totaling approximately 269,555 SF of the total estimate building area. Although the ITE *Trip Generation Handbook* provides trip rates for High-Cube Fulfillment Center Warehouses (ITE Code 155), the rates provided in the *TUMF High-Cube Warehouse Trip Generation Study,* January 29, 2019, are utilized in this analysis. This study was commissioned by the Western Riverside Council of Governments (WRCOG) and includes trip generation rates based on an analysis of 11 local high-cube fulfillment centers. Although the AM peak hour WRCOG rate is slightly less conservative than the ITE rates for High-Cube Fulfillment Center Warehouses, the daily and PM peak hour WRCOG rates are higher. Additionally, as all data points were collected within the Inland Empire, the WRCOG study serves as a more accurate and representative data source to determine the trip generation for the proposed project. As inbound and outbound vehicle splits were not included in the study, the *ITE High-Cube Warehouse Vehicle Trip Generation Analysis (October 2016)* vehicle splits are utilized.

As shown in Table 1 below, the proposed project would generate 1,281 daily trips, 140 AM peak hour trips (120 inbound and 20 outbound), and 139 PM peak hour trips (26 inbound and 113 outbound). Accounting for truck traffic from warehousing and industrial land uses, the proposed project would generate 1,634 daily PCE trips, 179 AM peak hour PCE trips (153 inbound and 26 outbound), and 177 PM peak hour PCE trips (33 inbound and 144 outbound).

Table 1: Project Trip Generation

Land Use	ITE Code	Size/Units		Daily	AM Peak Hour			PM Peak Hour		
					In	Out	Total	In	Out	Total
TRIP RATES										
General Light Industrial[1]	110	TSF		4.960	0.616	0.084	0.700	0.082	0.548	0.630
High-Cube Fulfillment Center Warehouse[2]	N/A	TSF		2.129	0.094	0.028	0.122	0.046	0.119	0.165
TRIP GENERATION										
35% Building - General Light Industrial	110	145.145	TSF	707	95	13	108	13	81	94
65% Building - High-Cube FC Warehouse	N/A	269.555	TSF	574	25	8	33	12	32	44
I-15 Industrial Project Total		***414.700***	***TSF***	***1,281***	***120***	***21***	***141***	***25***	***113***	***138***
TRIP GENERATION SUMMARY (Non-PCE, by Vehicle Classification)										
General Light Industrial - 35% of Building										
Vehicle Mix[3]		**%[3]**								
Passenger Vehicles		78.6%		556	74	10	84	10	64	74
2-Axle Trucks		8.0%		57	8	1	9	1	6	7
3-Axle Trucks		3.9%		28	4	1	5	1	3	4
4+-Axle Trucks		9.5%		67	9	1	10	1	8	9
General Light Industrial Total (Non-PCE)				708	95	13	108	13	81	94
High-Cube Fulfillment Center Warehouse - 65% of Building										
Vehicle Mix[4]	**% Daily[4]**	**% AM[4]**	**% PM[4]**							
Passenger Vehicles	82.2%	84.4%	87.3%	472	21	6	28	11	28	39
2-4 Axle Trucks	7.6%	6.6%	6.7%	44	2	0	2	1	2	3
5+-Axle Trucks	10.2%	9.0%	6.1%	58	2	1	3	1	2	3
High-Cube Fulfillment Center Warehouse Total (Non-PCE)				*574*	*25*	*8*	*33*	*12*	*32*	*44*
Total by Vehicle Classification										
Passenger Vehicles				1,027	95	16	111	21	92	113
Trucks				254	25	4	29	5	21	26
Total Trip Generation (Non-PCE)				**1,281**	**120**	**20**	**140**	**26**	**113**	**139**

Table 1: Project Trip Generation

Land Use	ITE Code	Size/Units	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
TRIP GENERATION SUMMARY (PCE, by Vehicle Classification)									
General Light Industrial - 35% of Building									
Vehicle Mix		**PCE[5]**							
Passenger Vehicles		1.0	556	75	11	86	11	64	75
2-Axle Trucks		1.5	86	12	2	14	2	10	12
3-Axle Trucks		2.0	56	8	2	10	2	7	9
4+-Axle Trucks		3.0	202	27	4	31	4	24	28
		General Light Industrial Total (PCE)	*900*	*122*	*19*	*141*	*19*	*105*	*124*
High-Cube Fulfillment Center Warehouse - 65% of Building									
Vehicle Mix		**PCE[5]**							
Passenger Vehicles		1.0	472	21	6	28	11	28	39
2-4 Axle Trucks		2.0	87	3	1	4	2	4	6
5+-Axle Trucks		3.0	175	7	2	9	2	6	8
		High-Cube Fulfillment Center Warehouse Total (PCE)	735	32	10	42	15	38	53
Total by Vehicle Classification									
		Passenger Vehicles	1,027	95	16	111	21	92	113
		Trucks	607	58	10	68	12	52	64
		Total Trip Generation (PCE)	**1,634**	**153**	**26**	**179**	**33**	**144**	**177**

Notes: Rounding discrepancies may occur. TSF = Thousand Square Feet; PCE = Passenger Car Equivalent

[1]Trip rates from the Institute of Transportation Engineers (ITE), *Trip Generation, 11th Edition, 2021.*

[2] Trip rates from the TUMF High Cube Warehouse Trip Generation Study, January 29, 2019; inbound/outbound splits from the ITE High Cube Warehouse Vehicle Trip Generation Analysis, October 2016.

[3] Vehicle Mix and Percent from the Fontana Truck Trip Generation Study, August, 2004.

[4]Vehicle Mix and Percent from the TUMF High Cube Warehouse Trip Generation Study, January 29, 2019.

[5]Passenger Car Equivalent (PCE) factors from the San Bernardino County CMP, Appendix B - Guidelines for CMP Traffic Impact Analysis Reports in San Bernardino County, 2016.

Trip Distribution

Project trip distribution percentages are based on logical travel paths to and from the project site, as well as consideration of City truck routes, and consideration of the traffic distribution patterns analyzed for the Hesperia Commerce Center II Traffic Impact Analysis, approximately ½-mile from the project site, and the I-15 Industrial Park project (currently under review), and adjacent to the project site. Main Street east of US Hwy 395 is not designated as a City truck route; therefore, all project truck traffic traveling to and from I-15 will be routed through the Joshua Street interchange. The preliminary project trip distribution percentages are shown in Figures 3 and 4, for passenger vehicle and truck trips, respectively. In addition, Dudek will obtain a select zone model forecast and review it against the estimated trip distribution patterns. The trip distribution will be adjusted, as appropriate, for consistency with the select zone forecast information.

Level of Service Analysis

Per the City's TIA Guidelines, a LOS analysis is required for projects that generate over 250 peak hour trips. While the project would generate less than 250 peak hour trips, a LOS analysis will be prepared for full disclosure of potential project impacts. Per the City's TIA Guidelines, intersections included in the analysis must consist of, at least, the intersections of Collector, or higher, roadways where the project would generate 50 or more peak hour trips through those intersections. For the proposed project, once the project trips are distributed on the local road network, they quickly fall below the 50 peak hour trip threshold. Therefore, the following study intersections have been selected based on our professional judgment and knowledge of the existing area, although they may not meet the 50 peak hour threshold (see Figure 1 for the study area):

1. US Hwy 395/Phelan Road - Main Street
2. Mesa Linda Street/Phelan Road
3. US Hwy 395/Poplar Street
4. Lassen Road/Poplar Street
5. US Hwy 395/Three Flags Road
6. US Hwy 395/Joshua Street
7. I-15 SB Off-Ramp/Joshua Street
8. I-15 NB On-Ramp/Joshua Street
9. Lassen Road/Project Dwy-North
10. Mesa Linda Street/Project Dwy - North
11. Lassen Road/Project Dwy-South
12. Mesa Linda Street/Project Dwy - South

Analysis Scenarios

Consistent with the City TIA Guidelines, intersection LOS analyses will be prepared for the weekday AM and PM peak hours at the study area intersections listed above for the following analysis scenarios:

- Existing (2021) Conditions
- Existing Plus Project
- Opening Year (2024) No Project (future short-term year with cumulative projects and ambient growth)
- Opening Year (2024) Plus Project
- Horizon Year (2040) No Project
- Horizon Year (2040) Plus Project

Horizon Year (2040) traffic volumes will be obtained from the San Bernardino County Transportation Authority's (SBCTA) San Bernardino Transportation Analysis Model (SBTAM). Baseline and Plus Project traffic volumes from

SBTAM will be post-processed to model specifications to ensure volume balancing between adjacent intersections and flow conservation throughout the network.

Cumulative Projects

Cumulative projects are projects that are proposed and in the review process, but not yet fully approved; or projects that have been approved, but not fully constructed or occupied. A list of the cumulative project developments provided by City staff on May 4, 2021, is included in Table 2 below. Figure 5 identifies the locations of the cumulative projects.

Table 2 - Cumulative Development Land Use Summary

ID No.	Case No.	Location	Land Use	Quantity	Units
H1	CUP21-00006	Southeast corner of Caliente Road and Joshua Street; APN: 3039-331-04	Automotive Care Center	13.813	TSF
H2	CUP21-00003	East side of Hwy 395, south of Avenal Street; APN: 3064-421-01 &02	High-Cube Cold Storage Warehouse	491.000	TSF
H3	CUP21-00001	North side of Muscatel Street, approximately 300 feet east of Caliente Road; APN: 3064-561-15	Automobile Care Center	12.800	TSF
H4	CUP20-00007	West side of Caliente Road, 400 feet north of Joshua Street; APN: 3039-321-08	Automobile Care Center	12.765	TSF
H5	CUP20-00006	West side of Amargosa Road, north of the California Aqueduct; APN: 0405-062-51	High-Cube Fulfillment Center Warehouse	440.000	TSF
H6	CUP19-00010	North of Phelan Road (Main Street), west of Highway 395, south of Yucca Terrace Drive and east of the Los Angeles Department of Water and Power line corridor; APN: 3064-351-03, 3064-361-01, 3064-391-01, 3064-401-02.	General Light Industrial; High-Cube Fulfillment Center Warehouse	3,750.000	TSF
H7	CUP19-00006	West side of Three Flags Avenue (Lassen Road) approximately 350 feet south of Poplar Street; APN: 3064-591-04	Automobile Parts and Service Center	3.100	TSF
			General Office Building	3.100	TSF
			Automobile Care Center	6.000	TSF
			Car Wash and Detail Center	7.200	TSF
H8	CUP18-00003	Northwest corner of US Highway 395 and Phelan Road; APN 3064-401-07 & 08	Convenience Market	4.631	TSF
			Fast-food Restaurant without Drive-Through Window	1.858	TSF
			Gasoline/Service Station	5.110	TSF
			Automated Car Wash	1.343	TSF
			Food Cart Pod	2.330	TSF

Table 2 - Cumulative Development Land Use Summary

ID No.	Case No.	Location	Land Use	Quantity	Units
H9	Industrial Park	East and west side of Caliente Road between the Union Pacific Railroad and Cedar Street; APNs: 3039-311-03 thru 06, 3039-341-01 thru 07, 3039-351-08, and 3039-431-02 & 04	Industrial Park	3,500.000	TSF
H10	Industrial Park	I-15 Phase I Industrial Park	Industrial Park	1,850,000	TSF

Source: Email correspondence with City of Hesperia Planning Department, May 4, 2021, including the addition of the I-15 Industrial Phase 1 project.
Notes: TSF = thousand square feet

Traffic Counts

Although COVID-19 shelter-in-place restrictions were lifted on June 15, 2021, traffic patterns have not returned to pre-pandemic conditions immediately. As such, new AM and PM peak hour intersection counts will not be collected as they may not reflect typical traffic conditions in the study area. Dudek is concurrently preparing the Traffic Impact Analysis for the adjacent I-15 Industrial Park Project (Cumulative Project H10) and will use the traffic counts from this Traffic Impact Analysis based on the methodology described below.

As part of the I-15 Industrial Park Project, Dudek used traffic counts from the Hesperia Commerce Center II Traffic Impact Analysis (July 2, 2020) for the locations available. Traffic counts were collected in September 2019 and January 2020 at the study intersections, as part of the Hesperia Commerce Center II Traffic Impact Analysis. The counts were collected before the COVID-19 shelter-in-place restrictions were put in place and are considered a reasonable baseline for existing conditions in the study area. Where historical traffic counts were not available, new traffic counts were collected on Wednesday, July 14, 2021. The traffic volumes were adjusted to typical (non-COVID-19) 2021 traffic conditions per the following methodology:

- Historical count data were provided where available from the Hesperia Commerce Center II Traffic Impact Analysis. These historical counts were grown to 2021 using an ambient annual growth rate of 2.0%. These volumes represent “non-COVID-19” conditions during the existing analysis year.

- New counts were collected at up to three representative locations where historical counts are available. The percent difference between the two data sets were then compared to determine the difference between COVID-19 conditions and projected non-COVID-19 conditions during the year 2021.

- Where historical counts are not available (this study includes one location – Lassen Road/Poplar Street), new traffic counts were collected and adjusted to non-COVID-19 conditions by applying the percentage differences noted above based on the representative count locations.

Caltrans Facilities

Caltrans released the Transportation Impact Study Guide (TISG) in May 2020, replacing the 2002 Guide for the Preparation of Traffic Impact Studies. Per the 2020 TISG, consistent with Senate Bill (SB) 743, Caltrans' primary review focus is now VMT, replacing LOS as the metric used to evaluate traffic impacts in CEQA transportation analyses. However, Caltrans released the Interim Local Development Intergovernmental Review (LDIGR) Safety Review Practitioners Guidance (December 18, 2020), targeted at operational and safety analyses to address a specific geometric or operational issue related to the State Highway System and connections with the State Highway System. As such, the following Caltrans facility analysis is included in this TIA:

- Off-ramp queueing analysis at I-15 off-ramp and US Hwy 395 intersections in the project study area (listed above) to identify 95th percentile queues during peak hour traffic conditions and ensure sufficient storage is available such that the project would not add or contribute to queuing onto the highway mainline or exceed left-turn pocket storage capacities. 95th percentile queueing will be analyzed using Synchro/SimTraffic software.

Vehicle Miles Traveled (VMT) Analysis

VMT Screening

The City's TIA guidelines provide three types of VMT screening that can be applied to the proposed project to screen from a project-level VMT assessment.

- ***Step 1: Transit Priority Area (TPA) Screening:*** *Projects located within a TPA*[1] *may be presumed to have a less than significant impact absent substantial evidence to the contrary. This presumption may* ***NOT*** *be appropriate if the project:*

    1. Has a Floor Area Ratio (FAR) of less than 0.75;
    2. Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking);
    3. Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization)
    4. Replaces affordable residential units with a smaller number of moderate- or high-income residential units

[1] A TPA is defined as a half mile area around an existing major transit stop or an existing stop along a high-quality transit corridor per the definitions below:

Pub. Resources Code, § 21064.3 ("'Major transit stop' means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.")

Pub. Resources Code, § 21155 ("For purposes of this section, a high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.").

As shown in Attachment A, the proposed project is not located within a TPA. The nearest bus service is provided by Victor Valley Transit Routes 21P/W and 68 along Main Street, approximately 0.25 miles north of the easternmost building and approximately 0.75 miles northeast of the westernmost building. Routes 21P/W and 68 operate with one- to two-hour service frequencies. As such, the project site is not located within one-half mile of a TPA and ***cannot be screened out*** using the proximity to transit availability criteria.

- ***Step 2: Low VMT Area Screening:*** *Residential and office projects located within a low VMT- generating area may be presumed to have a less than significant impact absent substantial evidence to the contrary. In addition, other employment-related and mixed-use land use projects may qualify for the use of screening if the project can reasonably be expected to generate VMT per resident, per worker, or per service population that is similar to the existing land uses in the low VMT area.*

  For this screening in the SBCTA area, the SBTAM travel forecasting model was used to measure VMT performance for City of Hesperia and for individual traffic analysis zones (TAZs). TAZs are geographic polygons similar to Census block groups used to represent areas of homogenous travel behavior. Total daily VMT per service population (population plus employment) was estimated for each TAZ. This presumption may not be appropriate if the project land uses would alter the existing built environment in such a way as to increase the rate or length of vehicle trips.

  To identify if the project is in a low VMT-generating area, the analyst may review the SBCTA screening tool and compare the appropriate baseline TAZ VMT to current County of San Bernardino VMT threshold of 32.7 VMT/Service Population. Additionally, as noted above, the analyst must identify if the project is consistent with the existing land use within that TAZ and use professional judgement that there is nothing unique about the project that would otherwise be mis-represented utilizing the data from the travel demand model.

The SBCTA screening tool (available at https://sbcta.maps.arcgis.com/) was used to determine whether the proposed project is in a low VMT-generating area. Per the City's guidelines, a low VMT-generating area is determined as below the baseline County of San Bernardino origin-destination (OD) VMT/Service Population.

As shown in Table 3, the OD VMT per service population for the project TAZ is 95.1, and the County of San Bernardino OD VMT per service population is 33.2 for the year 2021.[2] Therefore, the TAZ would be 186.4% above the County's threshold, which would not meet the required baseline screening criteria established in the City's guidelines. As such, the proposed project ***cannot be screened out*** using this criterium.

[2] The City's TIA guidelines state the current County of San Bernardino OD VMT threshold is 32.7 VMT/Service Population, which is representative of the year 2016. The screening tool export provided in Attachment A identifies the County baseline as 33.2 OD VMT/Service Population, which is representative of the year 2021 per the baseline year associated with the proposed Project.

Table 3 – Summary of Project TAZ VMT

Base Year (2021)	VMT
OD VMT Per Service Population	
Project TAZ	95.1
Jurisdiction	33.2
% Difference (Project TAZ – Jurisdiction)	+186.4%
Threshold	33.2

Source: SBCTA VMT Screening Tool (Attachment A)

- ***Step 3: Project Type Screening:*** *Projects generating less than 110 daily vehicle trips*[3]

The City's guidelines identify several local serving land uses; however, the proposed project is not a retail project and would not fall under a local serving land use and would generate greater than 110 daily vehicle trips; therefore, the project ***cannot be screened out*** from further VMT analysis using this criterium.

VMT Analysis

Based on the above VMT screening analysis, Dudek will prepare a VMT analysis within the TIA for the proposed project consistent with the City's TIA guidelines, current CEQA guidelines, and SB 743. The VMT of the proposed project and the forecast regional VMT will be calculated using the SBTAM. The TAZ of the project site will be modified with the land uses of the proposed project, and a Select Zone model run will be performed to determine the project's trip assignment. As part of the Select Zone run, the VMT estimate of the project's TAZ will be determined. Then, the regional VMT estimate for the study area region (extent to be determined by the City) will also be provided from SBTAM. VMT estimates will be analyzed for the Baseline plus Project and Cumulative plus Project conditions.

The VMT analysis will be conducted per the City's TIA guidelines and may be supplemented with guidance from the State Office of Planning and Research (OPR) Technical Advisory on Evaluating Transportation Impacts in CEQA (November 2017), and/or other approved sources by the City. If VMT impacts are found, Dudek will coordinate with the City to determine the appropriate VMT reduction strategies provided in their VMT guidelines, and other resources noted in the OPR and Caltrans Technical Advisories (or other City-approved sources) to mitigate project impacts. The methodologies, findings, and recommendations of the VMT analysis will be provided in the VMT analysis.

[3] This threshold ties directly to the OPR technical advisory and notes that CEQA provides a categorical exemption for existing facilities, including additions to existing structures of up to 10,000 square feet, so long as the project is in an area where public infrastructure is available to allow for maximum planned development and the project is not in an environmentally sensitive area. (CEQA Guidelines, § 15301, subd. (e)(2).) Typical project types for which trip generation increases relatively linearly with building footprint (i.e., general office building, single tenant office building, office park, and business park) generate or attract an additional 110-124 trips per 10,000 square feet. Therefore, absent substantial evidence otherwise, it is reasonable to conclude that the addition of 110 or fewer trips could be considered not to lead to a significant impact.

Special Issues

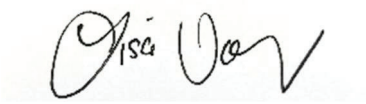
The following special issues will be addressed in the TIA:

- WB-67 truck turning templates will be overlayed at truck access driveways and locations where significant truck turning is anticipated (i.e. intersections #3, #4, and #6) to ensure the availability of adequate curb radii, driveway throat widths, and street widths along Mesa Linda Street, Lassen Road, and Poplar Street.
- Roadway cross sections to be provided for all roads fronting the project showing existing and future (with project) improvements to full City standards.
- A sight distance analysis will be conducted at any locations which may impact site access, specifically along Mesa Linda Street.
- Traffic signal warrant analysis will be conducted for all unsignalized study area intersections where two-way stop controlled (TWSC) or all-way stop-controlled (AWSC) intersections operate or are forecast to operate at levels of service inconsistent with the City and County General Plan standards.
- "Fair-share" contribution percentages and planning level cost estimates will be calculated for any recommended improvements determined in this TIA. Dudek requests that the City provide a list of improvements that are included in the City's DIF and/or CIP programs.
- A 95th percentile peak hour queueing analysis at the US Hwy 395 intersections and I-15 off-ramp per the Interim Local Development Intergovernmental Review (LDIGR) Safety Review Practitioners Guidance (December 18, 2020) as discussed above. Caltrans signal timing will be obtained from District 8 for utilization at the Caltrans intersections for this analysis. Improvement measures will be recommended based on the outcome of these analyses.
    - A 95th percentile peak hour queueing analysis will also be provided at any study intersection which operates or is projected to operate at an unacceptable level of service or where the project contributes more than 5 trips to a critical movement.

Conclusion

Dudek is pleased to submit this scoping letter for the Poplar 18 Industrial Park Project TIA. If you have any questions or wish to discuss the proposed methodology in greater detail, please contact me at (805) 450-2583 or lvaldez@dudek.com. We look forward to working with you.

Sincerely,



Lisa Valdez
Senior Transportation Planner



SOURCE: Bing Maps; RGA 2021

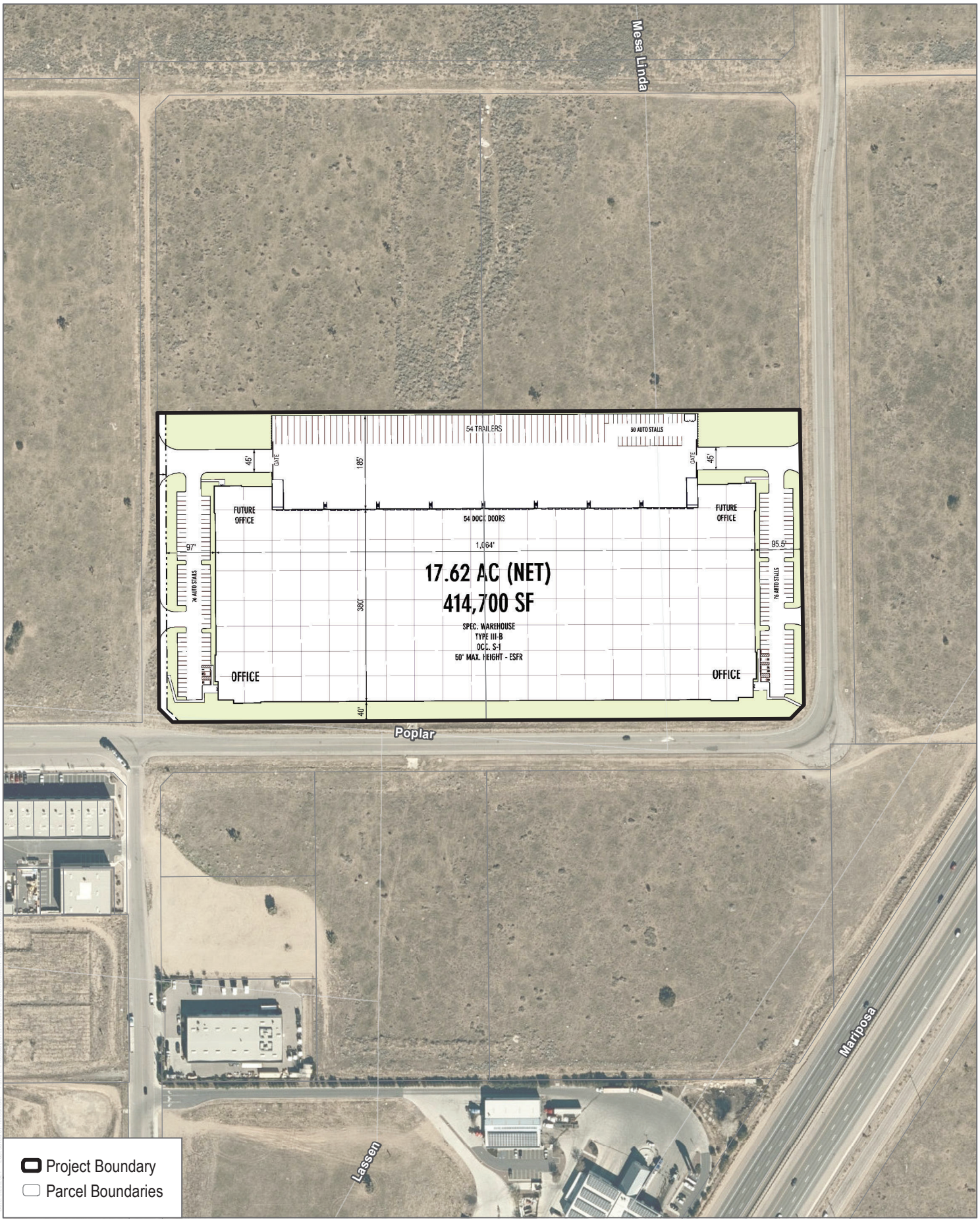
DUDEK

NOT TO SCALE

FIGURE 1

Project Location and Study Area

Poplar 18 Industrial Park



SOURCE: Esri World Imagery Basemap 2021, City of Hesperia 2020, RGA Office Of Architectural Design 2021

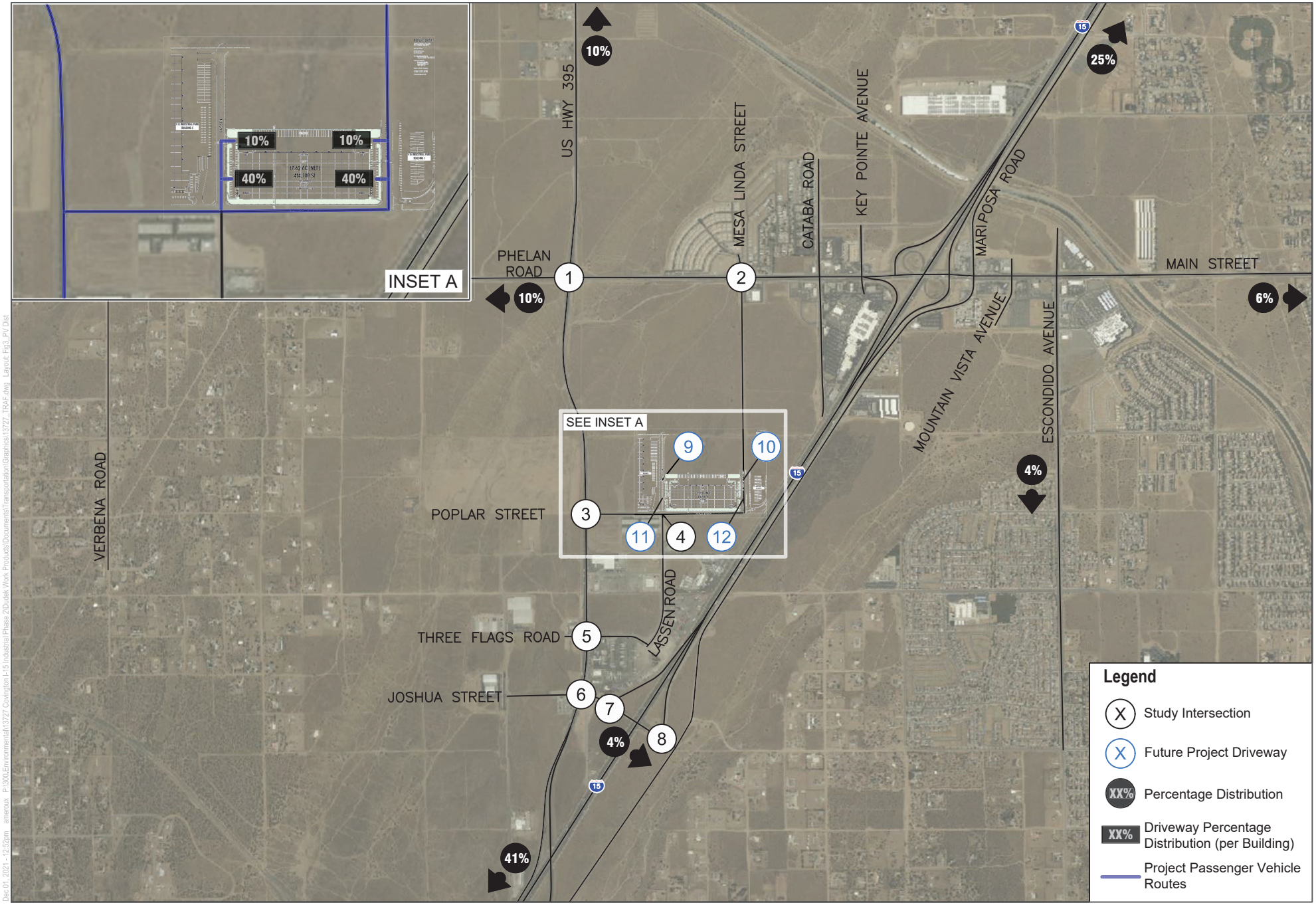
DUDEK

0 125 250 Feet

FIGURE 2

Project Site

Poplar 18 Industrial Park



SOURCE: Bing Maps; RGA 2021

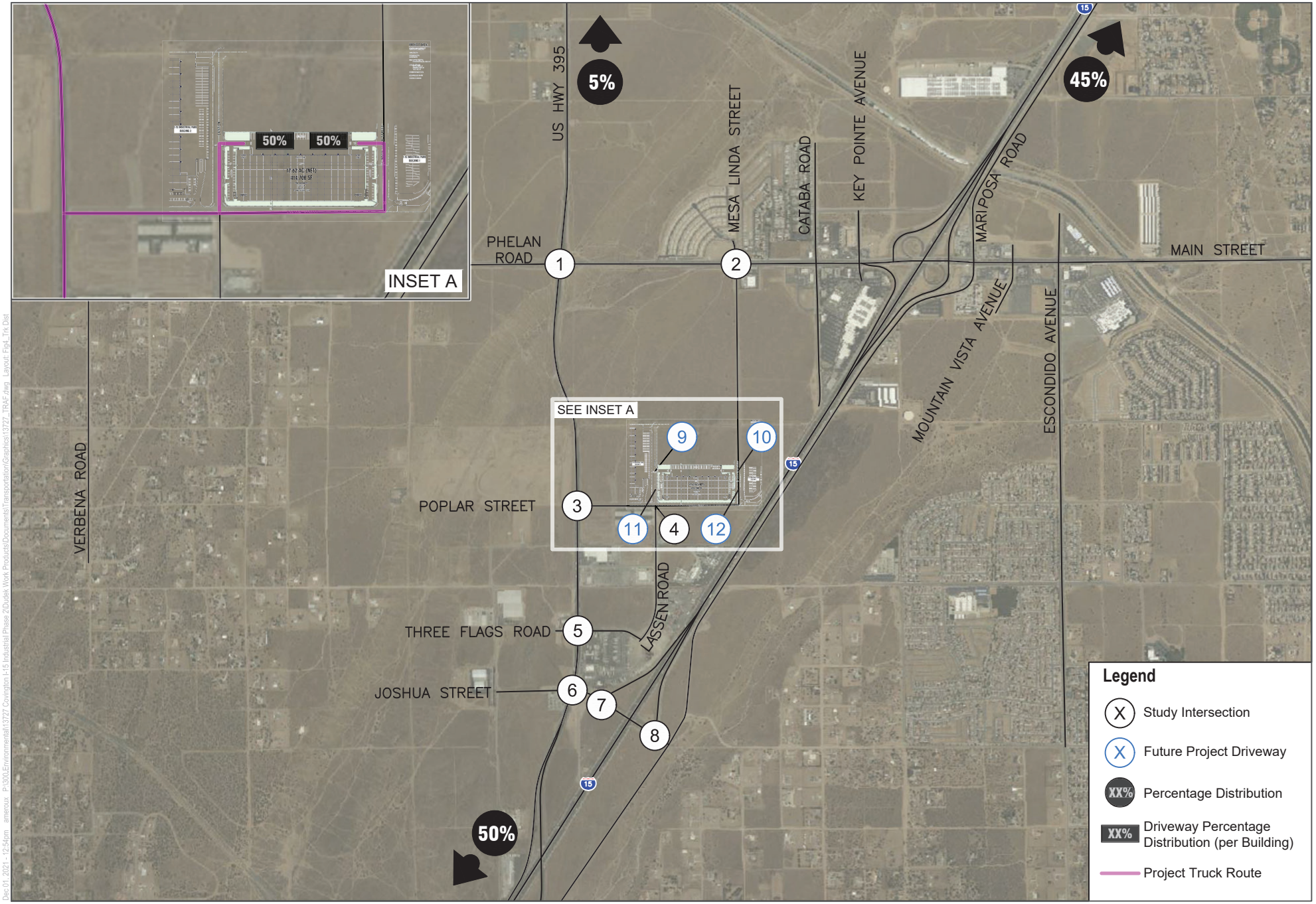
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NOT TO SCALE

FIGURE 3

Project Passenger Vehicle Trip Distribution

Poplar 18 Industrial Park



SOURCE: Bing Maps; RGA 2021

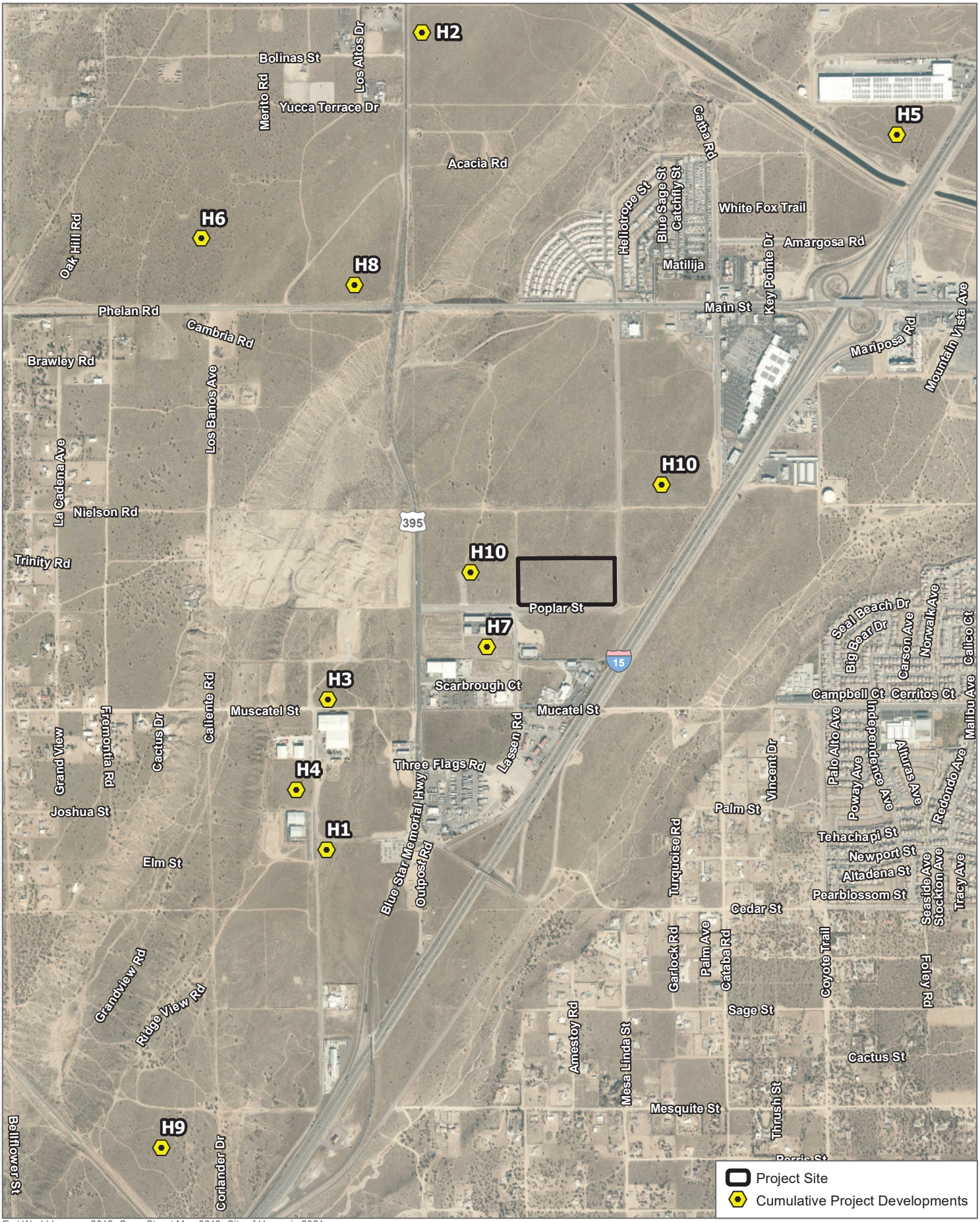
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NOT TO SCALE

FIGURE 4

Project Truck Trip Distribution

Poplar 18 Industrial Park



Esri World Imagery 2019; Open Street Map 2019; City of Hesperia 2021

Figure 5

Cumulative Project Locations

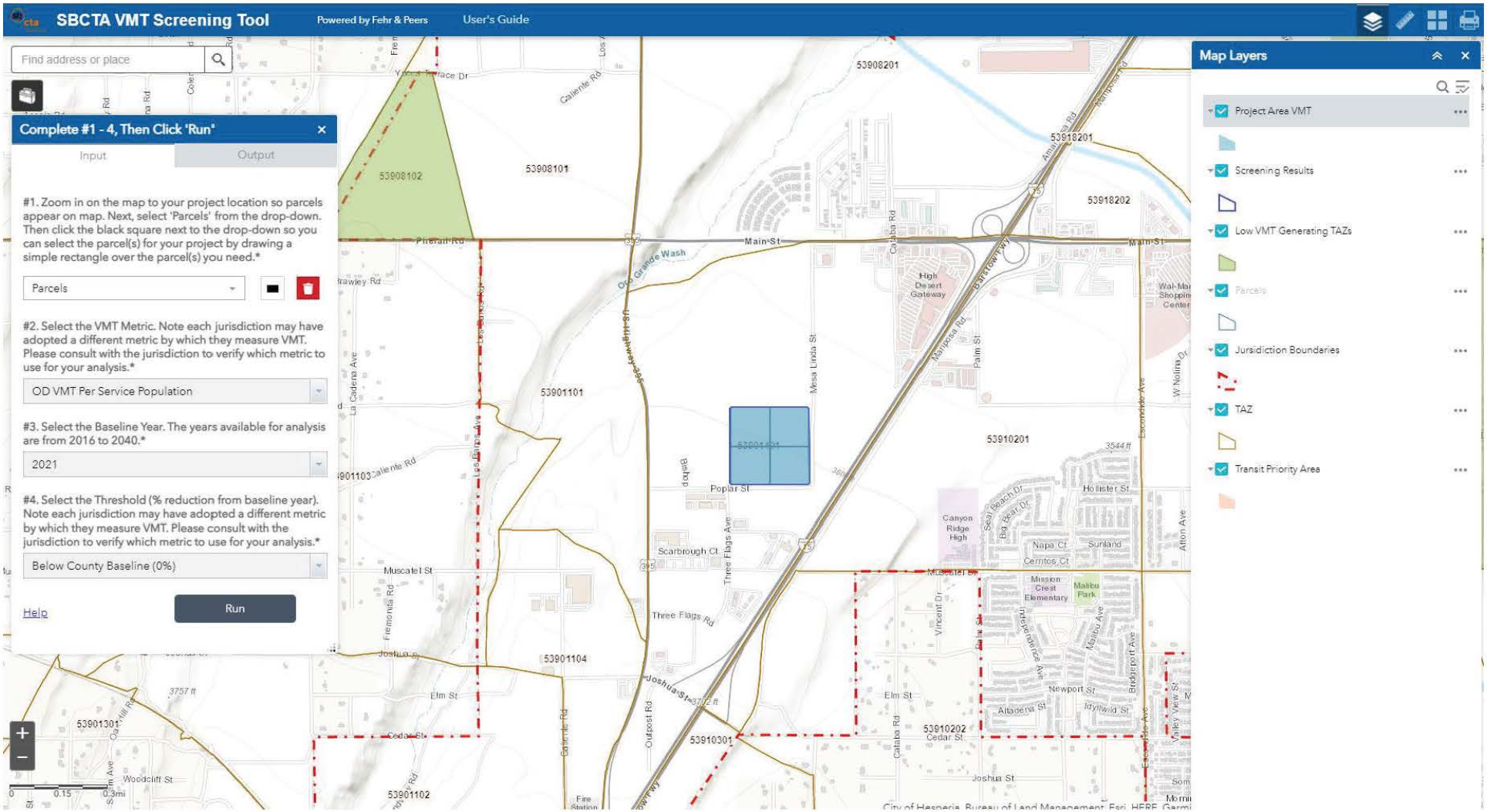
Poplar 18 Industrial Park

DUDEK

0 800 1,600 Feet

Attachment A

SBCTA VMT Screening Tool Results


SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Complete #1 - 4, Then Click 'Run'
Input
Output
#1. Zoom in on the map to your project location so parcels appear on map. Next, select 'Parcels' from the drop-down. Then click the black square next to the drop-down so you can select the parcel(s) for your project by drawing a simple rectangle over the parcel(s) you need.*
Parcels
#2. Select the VMT Metric. Note each jurisdiction may have adopted a different metric by which they measure VMT. Please consult with the jurisdiction to verify which metric to use for your analysis.*
OD VMT Per Service Population
#3. Select the Baseline Year. The years available for analysis are from 2016 to 2040.*
2021
#4. Select the Threshold (% reduction from baseline year). Note each jurisdiction may have adopted a different metric by which they measure VMT. Please consult with the jurisdiction to verify which metric to use for your analysis.*
Below County Baseline (0%)
Help
Run
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
53908201
53908102
53908101
53918201
53918202
53901101
53910201
53901104
53901301
53910202
53910301
53901102
Main St
Poplar St
Joshua St
Cedar St
Elm St
Muscatel St
Three Flags Rd
Scarbrough Ct
Old Woman Springs Rd
Caliente Rd
Calaba Rd
Mesa Linda St
Palm St
Mariposa Rd
Amargosa Rd
Kemper Rd
Yucca Terrace Dr
Pinerail Rd
Trawley Rd
Las Barrancas Rd
La Cadena Ave
Fremont Rd
Outpost Rd
Gallinite Rd
Vincent Dr
Malibu Ave
Bridgeport Ave
Valley View St
Escondido Ave
W Nolina Dr
Afton Ave
Holister St
Sunland
Napa Ct
Cerritos Ct
Newport St
Idyllwild St
Altadena St
Sea Beach Dr
Big Bear Dr
Mission Crest Elementary
Malibu Park
Canyon Ridge High
High Desert Gateway
Wal-Mart Shopping Center
Old Grange Wash
Fire Station
3544 ft
3757 ft
3702 ft
0
0.15
0.3mi
City of Hesperia, Bureau of Land Management, Esri, HERE, Garmi

VMT per Service Population

Completely within a TPA? No (Fail)

Within a low VMT generating TAZ? No (Fail)

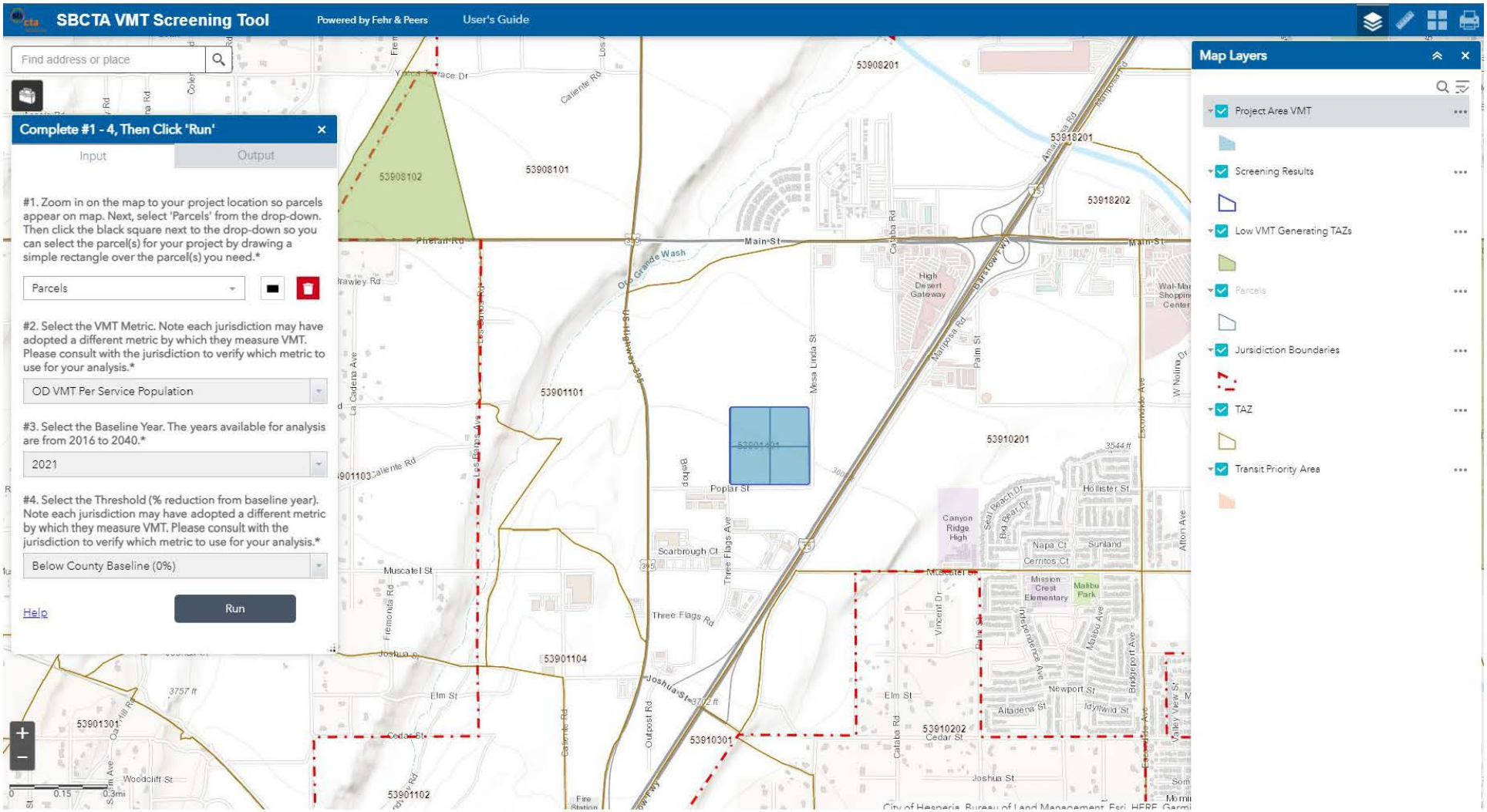
Note Screening results are based on location of parcel centroids. If results are desired considering the full parcel, please refer to the associated map layers to visually review parcel and TAZ boundary relationship.

Assessor Parcel Number (APN)	306458102
Traffic Analysis Zone (TAZ)	53901401
TAZ VMT	95.1
Jurisdiction VMT	33.2
% Difference	186.4%
VMT Metric	OD VMT Per Service Population
Threshold	33.2

Assessor Parcel Number (APN)	306458104
Traffic Analysis Zone (TAZ)	53901401
TAZ VMT	95.1
Jurisdiction VMT	33.2
% Difference	186.4%
VMT Metric	OD VMT Per Service Population
Threshold	33.2

Assessor Parcel Number (APN)	306458103
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TAZ VMT	95.1
Jurisdiction VMT	33.2
% Difference	186.4%
VMT Metric	OD VMT Per Service Population
Threshold	33.2

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SBCTA VMT Screening Tool
Powered by Fehr & Peers
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Find address or place
Complete #1 - 4, Then Click 'Run'
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#1. Zoom in on the map to your project location so parcels appear on map. Next, select 'Parcels' from the drop-down. Then click the black square next to the drop-down so you can select the parcel(s) for your project by drawing a simple rectangle over the parcel(s) you need.*
Parcels
#2. Select the VMT Metric. Note each jurisdiction may have adopted a different metric by which they measure VMT. Please consult with the jurisdiction to verify which metric to use for your analysis.*
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#4. Select the Threshold (% reduction from baseline year). Note each jurisdiction may have adopted a different metric by which they measure VMT. Please consult with the jurisdiction to verify which metric to use for your analysis.*
Below County Baseline (0%)
Help
Run
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
53908201
53908102
53908101
53918201
53918202
53901101
53901104
53901301
53901102
53910201
53910202
53910301
Main St
Joshua St
Cedar St
Elm St
Poplar St
Three Flags Rd
Scarbrough Ct
Muscatel St
Caliente Rd
Old Grande Wash
Mesa Linda St
Palm St
Calaba Rd
Outpost Rd
Vincent Dr
Newport St
Altadena St
Idyllwild St
Bridgeport Ave
Malibu Ave
Napa Ct
Cerritos Ct
Sunland
Hollister St
Seal Beach Dr
Big Bear Dr
Canyon Ridge High
Mission Crest Elementary
Malibu Park
High Desert Gateway
Wal-Mart Shopping Center
Woodcliff St
Fire Station
City of Hesperia, Bureau of Land Management, Esri, HERE, Garmi

VMT per Service Population

Completely within a TPA? No (Fail)

Within a low VMT generating TAZ? No (Fail)

Note Screening results are based on location of parcel centroids. If results are desired considering the full parcel, please refer to the associated map layers to visually review parcel and TAZ boundary relationship.

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Traffic Analysis Zone (TAZ)	53901401
TAZ VMT	95.1
Jurisdiction VMT	33.2
% Difference	186.4%
VMT Metric	OD VMT Per Service Population
Threshold	33.2

Assessor Parcel Number (APN)	306458103
Traffic Analysis Zone (TAZ)	53901401
TAZ VMT	95.1
Jurisdiction VMT	33.2
% Difference	186.4%
VMT Metric	OD VMT Per Service Population
Threshold	33.2

Assessor Parcel Number (APN)	306458105
Traffic Analysis Zone (TAZ)	53901401
TAZ VMT	95.1
Jurisdiction VMT	33.2
% Difference	186.4%
VMT Metric	OD VMT Per Service Population
Threshold	33.2

I-15 Industrial Park Project VMT (Bldg. 3 - Poplar St & US 395)

2016	I-15 Industrial Park Bldg. 3 (Project)	Entire San Bernardino County*	Entire San Bernardino County**
Population	-	2,140,539	
Employment	657	790,400	
Service Population	657	2,930,939	-
Homebased Work (HBW) VMT	10,563	13,562,903	
PA VMT	13,869	77,318,944	
OD VMT (auto only)	16,825	84,840,769	
OD VMT (auto + truck)	24,297	89,650,705	
HBW VMT per employee	16.1	17.2	
PA VMT per service population	21.1	26.4	
OD VMT per service population (auto only)	25.6	28.9	
OD VMT per service population (auto + truck)	37.0	30.6	30.0

2040	I-15 Industrial Park Bldg. 3 (Project)	Entire San Bernardino County*	Entire San Bernardino County**
Population	-	2,721,775	
Employment	657	1,027,872	
Service Population	657	3,749,647	-
Homebased Work (HBW) VMT	9,559	17,113,294	
PA VMT	12,774	103,271,633	
OD VMT (auto only)	16,865	112,779,783	
OD VMT (auto + truck)	24,014	120,214,345	
HBW VMT per employee	14.5	16.6	
PA VMT per service population	19.4	27.5	
OD VMT per service population (auto only)	25.7	30.1	
OD VMT per service population (auto + truck)	36.6	32.1	30.0

**: Estimated using Translutions "No Project" model runs*

***: Obtained from City of Hesperia TIA Guidelines, July 2020*

Roadway VMT / Project's effect on VMT (Within San Bernardino County)

2016	With Project	Without Project
Roadway VMT	57,453,875	57,484,358
Service Population	2,931,596	2,930,939
VMT per service population	19.6	19.6

2040	With Project	Without Project
Roadway VMT	88,380,178	88,660,625
Service Population	3,750,304	3,749,647
VMT per service population	23.6	23.6

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	B33	SB	SB
Directions Served	L	T	TR	L	T	TR	L	T	TR	T	L	T
Maximum Queue (ft)	165	396	426	21	306	374	305	584	537	487	265	525
Average Queue (ft)	52	222	247	3	141	192	210	456	389	144	253	514
95th Queue (ft)	116	354	380	16	251	318	401	657	616	581	310	571
Link Distance (ft)		5798	5798		2174	2174		512	512	2895		455
Upstream Blk Time (%)								16	6			32
Queuing Penalty (veh)								65	23			0
Storage Bay Dist (ft)	340			245			280				240	
Storage Blk Time (%)		1			1		0	55			8	64
Queuing Penalty (veh)		1			0		0	53			40	137

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	SB	B47
Directions Served	TR	T
Maximum Queue (ft)	483	3157
Average Queue (ft)	452	1606
95th Queue (ft)	506	3725
Link Distance (ft)	455	5926
Upstream Blk Time (%)	10	
Queuing Penalty (veh)	0	
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	WB	SB	B33	B33
Directions Served	R	L	T	
Maximum Queue (ft)	31	57	553	557
Average Queue (ft)	7	20	315	172
95th Queue (ft)	29	49	735	577
Link Distance (ft)	546		512	512
Upstream Blk Time (%)			4	1
Queuing Penalty (veh)			20	6
Storage Bay Dist (ft)		375		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	49	78	167	25	44	58	171	176	48	49	140	142
Average Queue (ft)	16	30	81	1	17	19	55	59	14	14	63	70
95th Queue (ft)	40	60	139	10	38	47	124	129	35	39	123	126
Link Distance (ft)	301	301		613	613		903	903	903			1966
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			245			190				225	225	
Storage Blk Time (%)							0					
Queuing Penalty (veh)							0					

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	SB
Directions Served	R
Maximum Queue (ft)	30
Average Queue (ft)	8
95th Queue (ft)	23
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	225
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	41	65	111	46	55	15	133	128	11	91	140	144
Average Queue (ft)	11	21	43	12	28	2	60	41	0	39	49	56
95th Queue (ft)	35	56	89	35	47	9	109	95	5	78	105	114
Link Distance (ft)		263	393	393	393		1732	1732			903	903
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	190					190			330	220		
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 6: US Hwy 395 & Joshua Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	5
Average Queue (ft)	0
95th Queue (ft)	2
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	270
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	SB	SB
Directions Served	L	R
Maximum Queue (ft)	22	53
Average Queue (ft)	3	29
95th Queue (ft)	14	41
Link Distance (ft)		1440
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	25	
Storage Blk Time (%)	0	7
Queuing Penalty (veh)	0	0

Intersection: 8: Joshua Street & I-15 NB On-Ramp

Movement	EB
Directions Served	LT
Maximum Queue (ft)	45
Average Queue (ft)	4
95th Queue (ft)	24
Link Distance (ft)	919
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Zone Summary

Zone wide Queuing Penalty: 345

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	B33	B69	B69
Directions Served	L	T	TR	L	T	TR	L	T	TR	T	T	
Maximum Queue (ft)	208	387	406	225	550	579	305	584	545	2966	478	482
Average Queue (ft)	48	187	205	21	325	358	276	584	517	2833	399	348
95th Queue (ft)	124	311	329	116	513	544	403	587	531	3533	638	650
Link Distance (ft)		5798	5798		2174	2174		512	512	2895	430	430
Upstream Blk Time (%)								56	20	82	37	9
Queuing Penalty (veh)								373	134	1087	243	61
Storage Bay Dist (ft)	340			245			280					
Storage Blk Time (%)		1			23		0	87				
Queuing Penalty (veh)		0			2		0	147				

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	SB	SB	SB	B47
Directions Served	L	T	TR	T
Maximum Queue (ft)	265	525	484	834
Average Queue (ft)	241	456	388	254
95th Queue (ft)	324	620	583	743
Link Distance (ft)		455	455	5926
Upstream Blk Time (%)		20	7	
Queuing Penalty (veh)		0	0	
Storage Bay Dist (ft)	240			
Storage Blk Time (%)	13	47		
Queuing Penalty (veh)	53	91		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	WB	WB	NB	NB	SB	B33	B33
Directions Served	L	R	T	TR	L	T	
Maximum Queue (ft)	36	52	1998	1999	40	550	542
Average Queue (ft)	5	13	1454	1442	9	240	82
95th Queue (ft)	24	39	2706	2717	34	666	395
Link Distance (ft)	546	546	1966	1966		512	512
Upstream Blk Time (%)			20	19		2	0
Queuing Penalty (veh)			130	121		8	1
Storage Bay Dist (ft)					375		
Storage Blk Time (%)							
Queuing Penalty (veh)							

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	77	68	157	24	62	214	933	947	939	81	146	162
Average Queue (ft)	28	25	73	3	19	69	515	522	253	23	56	65
95th Queue (ft)	61	55	128	15	48	212	1186	1186	891	58	118	133
Link Distance (ft)	301	301		613	613		903	903	903			1966
Upstream Blk Time (%)							18	20	3			
Queuing Penalty (veh)							84	95	16			
Storage Bay Dist (ft)			245			190				225	225	
Storage Blk Time (%)						0	52					
Queuing Penalty (veh)						0	18					

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	SB
Directions Served	R
Maximum Queue (ft)	36
Average Queue (ft)	6
95th Queue (ft)	23
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	225
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	105	89	94	38	97	215	1747	1747	355	134	192	207
Average Queue (ft)	41	36	39	7	38	26	648	642	95	56	60	77
95th Queue (ft)	83	74	78	27	72	126	1803	1802	350	107	146	161
Link Distance (ft)		263	393	393	393		1732	1732			903	903
Upstream Blk Time (%)							20	21				
Queuing Penalty (veh)							0	0				
Storage Bay Dist (ft)	190					190			330	220		
Storage Blk Time (%)							39	37	0		0	
Queuing Penalty (veh)							7	33	0		0	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	10
Average Queue (ft)	1
95th Queue (ft)	5
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	270
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	SB	SB
Directions Served	L	R
Maximum Queue (ft)	24	48
Average Queue (ft)	8	30
95th Queue (ft)	26	43
Link Distance (ft)		1440
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	25	
Storage Blk Time (%)	1	8
Queuing Penalty (veh)	2	1

Intersection: 8: Joshua Street & I-15 NB On-Ramp

Movement	EB
Directions Served	LT
Maximum Queue (ft)	45
Average Queue (ft)	6
95th Queue (ft)	29
Link Distance (ft)	919
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Zone Summary

Zone wide Queuing Penalty: 2709

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	B33	B69	SB
Directions Served	L	T	TR	L	T	TR	L	T	TR	T	T	L
Maximum Queue (ft)	204	368	386	26	268	334	305	577	532	796	77	265
Average Queue (ft)	51	217	239	2	138	182	209	449	381	441	6	256
95th Queue (ft)	127	319	341	14	231	294	398	660	612	1969	81	302
Link Distance (ft)		5798	5798		2174	2174		512	512	2895	430	
Upstream Blk Time (%)								16	6	2		
Queuing Penalty (veh)								66	24	16		
Storage Bay Dist (ft)	340			245			280					240
Storage Blk Time (%)		1			1		0	53				18
Queuing Penalty (veh)		0			0		0	52				89

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	SB	SB	B47
Directions Served	T	TR	T
Maximum Queue (ft)	525	490	2976
Average Queue (ft)	516	448	1665
95th Queue (ft)	572	519	3678
Link Distance (ft)	455	455	5926
Upstream Blk Time (%)	30	9	
Queuing Penalty (veh)	0	0	
Storage Bay Dist (ft)			
Storage Blk Time (%)	54		
Queuing Penalty (veh)	123		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	WB	WB	NB	SB	B33	B33
Directions Served	L	R	TR	L	T	
Maximum Queue (ft)	65	32	8	70	564	555
Average Queue (ft)	20	7	0	26	346	178
95th Queue (ft)	59	27	4	60	756	579
Link Distance (ft)	546	546	1966		512	512
Upstream Blk Time (%)					4	1
Queuing Penalty (veh)					23	5
Storage Bay Dist (ft)				375		
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	68	88	147	24	44	57	158	167	39	43	132	142
Average Queue (ft)	16	31	76	2	18	18	56	65	14	12	59	66
95th Queue (ft)	45	64	127	12	39	45	128	139	35	34	117	123
Link Distance (ft)	301	301		613	613		903	903	903			1966
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			245			190				225	225	
Storage Blk Time (%)							0					
Queuing Penalty (veh)							0					

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	SB
Directions Served	R
Maximum Queue (ft)	23
Average Queue (ft)	7
95th Queue (ft)	21
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	225
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	46	57	106	50	68	22	130	123	2	114	157	146
Average Queue (ft)	13	20	44	12	36	2	66	47	0	43	52	58
95th Queue (ft)	38	49	87	35	58	11	114	100	1	90	125	122
Link Distance (ft)		263	393	393	393		1732	1732			903	903
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	190					190			330	220		
Storage Blk Time (%)											0	
Queuing Penalty (veh)											0	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	5
Average Queue (ft)	0
95th Queue (ft)	2
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	270
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	SB	SB
Directions Served	L	R
Maximum Queue (ft)	22	56
Average Queue (ft)	2	31
95th Queue (ft)	13	44
Link Distance (ft)		1440
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	25	
Storage Blk Time (%)	0	9
Queuing Penalty (veh)	0	0

Intersection: 8: Joshua Street & I-15 NB On-Ramp

Movement	EB
Directions Served	LT
Maximum Queue (ft)	53
Average Queue (ft)	6
95th Queue (ft)	30
Link Distance (ft)	919
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Zone Summary

Zone wide Queuing Penalty: 398

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	B33	B69	B69
Directions Served	L	T	TR	L	T	TR	L	T	TR	T	T	
Maximum Queue (ft)	184	368	395	134	579	611	305	584	553	2966	481	479
Average Queue (ft)	47	188	212	12	345	375	271	584	517	2792	380	344
95th Queue (ft)	116	325	353	67	628	657	403	588	544	3599	650	649
Link Distance (ft)		5798	5798		2174	2174		512	512	2895	430	430
Upstream Blk Time (%)								56	18	79	37	10
Queuing Penalty (veh)								375	121	1057	245	65
Storage Bay Dist (ft)	340			245			280					
Storage Blk Time (%)		2			24		0	88				
Queuing Penalty (veh)		1			2		0	152				

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	SB	SB	SB	B47
Directions Served	L	T	TR	T
Maximum Queue (ft)	265	525	482	1122
Average Queue (ft)	238	429	357	311
95th Queue (ft)	322	609	561	1223
Link Distance (ft)		455	455	5926
Upstream Blk Time (%)		16	5	
Queuing Penalty (veh)		0	0	
Storage Bay Dist (ft)	240			
Storage Blk Time (%)	13	41		
Queuing Penalty (veh)	55	82		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	WB	WB	NB	NB	SB	B33	B33
Directions Served	L	R	T	TR	L	T	
Maximum Queue (ft)	334	144	1995	1994	35	558	539
Average Queue (ft)	202	35	1415	1408	12	233	93
95th Queue (ft)	462	148	2718	2733	35	659	414
Link Distance (ft)	546	546	1966	1966		512	512
Upstream Blk Time (%)	4		20	18		2	0
Queuing Penalty (veh)	3		132	119		8	2
Storage Bay Dist (ft)					375		
Storage Blk Time (%)							
Queuing Penalty (veh)							

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	57	63	155	30	49	214	936	942	908	76	128	137
Average Queue (ft)	23	24	74	4	16	63	494	502	174	26	49	61
95th Queue (ft)	52	52	128	19	41	197	1157	1157	724	62	101	116
Link Distance (ft)	301	301		613	613		903	903	903			1966
Upstream Blk Time (%)							15	18	3			
Queuing Penalty (veh)							73	87	13			
Storage Bay Dist (ft)			245			190				225	225	
Storage Blk Time (%)						0	50					
Queuing Penalty (veh)						0	17					

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	SB
Directions Served	R
Maximum Queue (ft)	35
Average Queue (ft)	7
95th Queue (ft)	25
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	225
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	103	86	124	25	113	215	1747	1747	355	180	181	191
Average Queue (ft)	40	36	44	5	39	30	613	600	90	79	62	76
95th Queue (ft)	83	73	90	21	76	135	1726	1715	341	149	143	160
Link Distance (ft)		263	393	393	393		1732	1732			903	903
Upstream Blk Time (%)							16	17				
Queuing Penalty (veh)							0	0				
Storage Bay Dist (ft)	190					190			330	220		
Storage Blk Time (%)							37	34	0		0	
Queuing Penalty (veh)							7	31	0		0	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	10
Average Queue (ft)	1
95th Queue (ft)	5
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	270
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	SB	SB
Directions Served	L	R
Maximum Queue (ft)	24	58
Average Queue (ft)	7	31
95th Queue (ft)	24	45
Link Distance (ft)		1440
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	25	
Storage Blk Time (%)	1	9
Queuing Penalty (veh)	2	1

Intersection: 8: Joshua Street & I-15 NB On-Ramp

Movement	EB
Directions Served	LT
Maximum Queue (ft)	58
Average Queue (ft)	7
95th Queue (ft)	32
Link Distance (ft)	919
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Zone Summary

Zone wide Queuing Penalty: 2648

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	WB	WB	WB	B71	B71	B71	NB	NB	NB
Directions Served	L	T	TR	L	T	TR	T	T		L	T	TR
Maximum Queue (ft)	277	700	704	84	2245	2245	596	603	585	305	584	555
Average Queue (ft)	78	253	285	8	1919	1935	346	353	105	275	584	517
95th Queue (ft)	175	468	492	50	2819	2798	786	794	467	403	590	537
Link Distance (ft)		5798	5798		2174	2174	558	558	558		512	512
Upstream Blk Time (%)					55	62	9	15	2		65	18
Queuing Penalty (veh)					446	499	51	79	9		385	108
Storage Bay Dist (ft)	340			245						280		
Storage Blk Time (%)		4			61					0	89	
Queuing Penalty (veh)		3			7					0	181	

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	B33	B69	B69	SB	SB	SB	B47
Directions Served	T	T		L	T	TR	T
Maximum Queue (ft)	2966	484	468	265	525	482	5941
Average Queue (ft)	2829	386	271	257	524	458	5641
95th Queue (ft)	3501	637	606	298	530	471	7032
Link Distance (ft)	2895	429	429		455	455	5926
Upstream Blk Time (%)	85	35	5		51	13	83
Queuing Penalty (veh)	998	207	27		0	0	0
Storage Bay Dist (ft)				240			
Storage Blk Time (%)				26	63		
Queuing Penalty (veh)				154	236		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	EB	EB	WB	WB	B14	B14	B95	NB	NB	NB	SB	SB
Directions Served	L	TR	L	TR	T	T	T	L	T	TR	L	TR
Maximum Queue (ft)	78	70	595	507	253	228	19	225	1984	1991	78	23
Average Queue (ft)	26	24	445	252	82	72	1	151	1505	1507	30	1
95th Queue (ft)	93	57	735	687	322	310	10	316	2760	2769	66	10
Link Distance (ft)	291	291	546	546	524	524	15		1954	1954		429
Upstream Blk Time (%)			39	20	3	2	1		13	16		
Queuing Penalty (veh)			43	22	3	2	1		106	133		
Storage Bay Dist (ft)								200			375	
Storage Blk Time (%)								0	80			
Queuing Penalty (veh)								0	56			

Intersection: 3: US Hwy 395 & Poplar Street

Movement	B33	B33
Directions Served	T	
Maximum Queue (ft)	558	558
Average Queue (ft)	199	107
95th Queue (ft)	615	456
Link Distance (ft)	512	512
Upstream Blk Time (%)	2	0
Queuing Penalty (veh)	12	3
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	54	71	260	89	67	214	939	954	958	57	162	177
Average Queue (ft)	14	30	168	8	23	54	630	648	541	13	72	78
95th Queue (ft)	41	60	249	86	53	186	1227	1235	1278	39	136	150
Link Distance (ft)	301	301		613	613		903	903	903			1954
Upstream Blk Time (%)							15	28	19			
Queuing Penalty (veh)							92	167	115			
Storage Bay Dist (ft)			245			190				225	225	
Storage Blk Time (%)			3				57					
Queuing Penalty (veh)			0				14					

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	SB
Directions Served	R
Maximum Queue (ft)	32
Average Queue (ft)	8
95th Queue (ft)	24
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	225
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	113	119	131	328	400	215	1747	1747	355	218	261	250
Average Queue (ft)	44	49	60	130	180	63	952	949	71	108	128	140
95th Queue (ft)	94	91	111	245	361	204	2101	2093	305	186	216	224
Link Distance (ft)		263	393	393	393		1732	1732			903	903
Upstream Blk Time (%)				0	2		35	36				
Queuing Penalty (veh)				0	5		0	0				
Storage Bay Dist (ft)	190					190			330	220		
Storage Blk Time (%)							58	52	0	1	1	0
Queuing Penalty (veh)							21	20	0	6	1	0

Intersection: 6: US Hwy 395 & Joshua Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	47
Average Queue (ft)	10
95th Queue (ft)	32
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	270
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	WB	SB	SB
Directions Served	T	L	R
Maximum Queue (ft)	21	49	349
Average Queue (ft)	1	11	122
95th Queue (ft)	12	42	275
Link Distance (ft)	919		1440
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		25	
Storage Blk Time (%)		1	58
Queuing Penalty (veh)		9	7

Intersection: 8: Joshua Street & I-15 NB On-Ramp

Movement	EB	WB
Directions Served	LT	TR
Maximum Queue (ft)	99	6
Average Queue (ft)	31	0
95th Queue (ft)	76	4
Link Distance (ft)	919	238
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Zone Summary

Zone wide Queuing Penalty: 4227

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	WB	WB	WB	B71	B71	B71	NB	NB	NB
Directions Served	L	T	TR	L	T	TR	T	T		L	T	TR
Maximum Queue (ft)	365	4081	4068	270	2245	2245	583	590	347	305	584	548
Average Queue (ft)	145	2497	2508	40	1852	1870	184	188	16	280	584	516
95th Queue (ft)	399	4389	4380	180	2698	2699	603	611	171	394	589	531
Link Distance (ft)		5798	5798		2174	2174	558	558	558		512	512
Upstream Blk Time (%)					35	39	5	8	1		60	19
Queuing Penalty (veh)					242	267	23	37	3		503	156
Storage Bay Dist (ft)	340			245						280		
Storage Blk Time (%)	0	65			68					0	87	
Queuing Penalty (veh)	0	40			10					0	229	

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	B33	B69	B69	SB	SB	SB	B47
Directions Served	T	T		L	T	TR	T
Maximum Queue (ft)	2966	485	487	265	525	479	5941
Average Queue (ft)	2946	429	361	263	525	456	5674
95th Queue (ft)	3148	591	643	269	527	469	7018
Link Distance (ft)	2895	429	429		455	455	5926
Upstream Blk Time (%)	93	43	10		48	7	80
Queuing Penalty (veh)	1560	360	86		0	0	0
Storage Bay Dist (ft)				240			
Storage Blk Time (%)				70	2		
Queuing Penalty (veh)				373	10		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	EB	EB	WB	WB	B14	B14	B95	B95	NB	NB	NB	SB
Directions Served	L	TR	L	TR	T	T	T	T	L	T	TR	L
Maximum Queue (ft)	311	260	618	618	596	596	84	61	179	1992	1997	64
Average Queue (ft)	202	76	614	443	566	558	48	28	9	1706	1703	13
95th Queue (ft)	391	263	624	842	701	705	88	62	83	2679	2698	44
Link Distance (ft)	347	347	546	546	524	524	15	15		1965	1965	
Upstream Blk Time (%)	24	14	100	51	89	83	82	42		27	26	
Queuing Penalty (veh)	0	0	200	104	177	163	162	83		228	222	
Storage Bay Dist (ft)									200			375
Storage Blk Time (%)										90		
Queuing Penalty (veh)										4		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	B33	B33
Directions Served	T	
Maximum Queue (ft)	424	207
Average Queue (ft)	28	10
95th Queue (ft)	221	127
Link Distance (ft)	512	512
Upstream Blk Time (%)	0	0
Queuing Penalty (veh)	1	0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	74	60	246	38	54	215	936	949	960	46	157	160
Average Queue (ft)	26	26	127	3	18	86	726	741	671	15	71	73
95th Queue (ft)	58	52	204	20	45	244	1278	1276	1338	40	132	139
Link Distance (ft)	301	301		613	613		903	903	903			1965
Upstream Blk Time (%)							29	42	22			
Queuing Penalty (veh)							187	270	143			
Storage Bay Dist (ft)			245			190				225	225	
Storage Blk Time (%)			0			0	73					
Queuing Penalty (veh)			0			0	26					

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	SB
Directions Served	R
Maximum Queue (ft)	22
Average Queue (ft)	4
95th Queue (ft)	16
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	225
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	214	278	169	158	336	215	1747	1747	355	244	430	379
Average Queue (ft)	177	223	59	45	140	47	1426	1424	169	198	191	155
95th Queue (ft)	259	332	133	112	310	183	2232	2230	457	278	411	315
Link Distance (ft)		263	393	393	393		1732	1732			903	903
Upstream Blk Time (%)		31		0	3		57	62				
Queuing Penalty (veh)		0		0	4		0	0				
Storage Bay Dist (ft)	190					190			330	220		
Storage Blk Time (%)	36	9					84	82	0	18	1	0
Queuing Penalty (veh)	98	17					27	78	0	122	3	0

Intersection: 6: US Hwy 395 & Joshua Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	15
Average Queue (ft)	2
95th Queue (ft)	7
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	270
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	WB	SB	SB
Directions Served	T	L	R
Maximum Queue (ft)	10	49	149
Average Queue (ft)	2	26	59
95th Queue (ft)	14	50	138
Link Distance (ft)	919		1440
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		25	
Storage Blk Time (%)		11	27
Queuing Penalty (veh)		37	13

Intersection: 8: Joshua Street & I-15 NB On-Ramp

Movement	EB
Directions Served	LT
Maximum Queue (ft)	137
Average Queue (ft)	53
95th Queue (ft)	120
Link Distance (ft)	919
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Zone Summary

Zone wide Queuing Penalty: 6270

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	WB	WB	WB	B71	B71	B71	NB	NB	NB
Directions Served	L	T	TR	L	T	TR	T	T		L	T	TR
Maximum Queue (ft)	243	667	714	229	2245	2245	604	612	592	305	584	542
Average Queue (ft)	77	281	313	19	2026	2036	410	416	132	283	584	515
95th Queue (ft)	178	516	551	107	2764	2748	822	829	527	387	588	526
Link Distance (ft)		5798	5798		2174	2174	558	558	558		512	512
Upstream Blk Time (%)					66	73	12	20	3		64	20
Queuing Penalty (veh)					542	596	66	107	17		381	121
Storage Bay Dist (ft)	340			245						280		
Storage Blk Time (%)		6			62					1	88	
Queuing Penalty (veh)		4			8					5	180	

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	B33	B69	B69	SB	SB	SB	B47
Directions Served	T	T		L	T	TR	T
Maximum Queue (ft)	2966	481	479	265	525	481	5941
Average Queue (ft)	2780	365	283	258	525	457	5703
95th Queue (ft)	3580	649	622	303	526	470	6940
Link Distance (ft)	2895	429	429		455	455	5926
Upstream Blk Time (%)	82	34	5		50	10	85
Queuing Penalty (veh)	954	198	32		0	0	0
Storage Bay Dist (ft)				240			
Storage Blk Time (%)				29	60		
Queuing Penalty (veh)				177	232		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	EB	EB	WB	WB	B14	B14	B95	B95	NB	NB	NB	SB
Directions Served	L	TR	L	TR	T	T	T	T	L	T	TR	L
Maximum Queue (ft)	78	62	618	618	596	573	56	27	225	1975	1980	96
Average Queue (ft)	27	25	588	518	345	332	10	6	117	1412	1412	33
95th Queue (ft)	78	56	702	843	701	694	43	33	290	2758	2765	75
Link Distance (ft)	354	354	546	546	524	524	15	15		1954	1954	
Upstream Blk Time (%)			85	64	26	22	16	6		14	17	
Queuing Penalty (veh)			101	75	29	25	18	6		120	142	
Storage Bay Dist (ft)									200			375
Storage Blk Time (%)									0	75		
Queuing Penalty (veh)									0	52		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	SB	B33	B33
Directions Served	TR	T	
Maximum Queue (ft)	8	557	553
Average Queue (ft)	1	215	87
95th Queue (ft)	6	633	411
Link Distance (ft)	429	512	512
Upstream Blk Time (%)		2	0
Queuing Penalty (veh)		12	3
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	70	67	267	80	83	214	950	954	957	46	163	183
Average Queue (ft)	22	31	183	7	26	43	617	645	515	12	78	83
95th Queue (ft)	56	57	270	83	63	159	1234	1248	1258	35	150	161
Link Distance (ft)	301	301		613	613		903	903	903			1954
Upstream Blk Time (%)							15	26	16			
Queuing Penalty (veh)							96	160	102			
Storage Bay Dist (ft)			245			190				225	225	
Storage Blk Time (%)			3			0	56					
Queuing Penalty (veh)			0			0	13					

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	SB
Directions Served	R
Maximum Queue (ft)	22
Average Queue (ft)	6
95th Queue (ft)	20
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	225
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	104	118	137	226	403	215	1747	1747	355	227	278	286
Average Queue (ft)	41	44	52	118	244	47	1040	1036	89	115	144	155
95th Queue (ft)	85	94	112	207	449	171	2092	2084	341	197	245	255
Link Distance (ft)		263	393	393	393		1732	1732			903	903
Upstream Blk Time (%)					8		36	37				
Queuing Penalty (veh)					20		0	0				
Storage Bay Dist (ft)	190					190			330	220		
Storage Blk Time (%)							69	61	0	0	1	0
Queuing Penalty (veh)							25	24	0	0	3	1

Intersection: 6: US Hwy 395 & Joshua Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	146
Average Queue (ft)	19
95th Queue (ft)	97
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	270
Storage Blk Time (%)	0
Queuing Penalty (veh)	0

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	WB	SB	SB
Directions Served	T	L	R
Maximum Queue (ft)	60	49	980
Average Queue (ft)	7	15	347
95th Queue (ft)	42	50	937
Link Distance (ft)	919		1440
Upstream Blk Time (%)			2
Queuing Penalty (veh)			0
Storage Bay Dist (ft)		25	
Storage Blk Time (%)		2	77
Queuing Penalty (veh)		12	10

Intersection: 8: Joshua Street & I-15 NB On-Ramp

Movement	EB	WB
Directions Served	LT	TR
Maximum Queue (ft)	107	4
Average Queue (ft)	34	0
95th Queue (ft)	86	3
Link Distance (ft)	919	238
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Zone Summary

Zone wide Queuing Penalty: 4668

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	WB	WB	WB	B71	B71	B71	NB	NB	NB
Directions Served	L	T	TR	L	T	TR	T	T		L	T	TR
Maximum Queue (ft)	365	4305	4288	177	2245	2245	593	601	457	305	584	548
Average Queue (ft)	150	2809	2817	20	1901	1916	251	256	35	267	584	517
95th Queue (ft)	389	4554	4544	109	2724	2716	691	698	257	405	587	533
Link Distance (ft)		5798	5798		2174	2174	558	558	558		512	512
Upstream Blk Time (%)					49	53	10	14	1		62	16
Queuing Penalty (veh)					341	364	47	63	2		523	136
Storage Bay Dist (ft)	340			245						280		
Storage Blk Time (%)	0	66			70					0	85	
Queuing Penalty (veh)	0	40			10					0	228	

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	B33	B69	B69	SB	SB	SB	B47
Directions Served	T	T		L	T	TR	T
Maximum Queue (ft)	2966	479	482	265	525	473	5941
Average Queue (ft)	2918	422	362	263	525	453	5687
95th Queue (ft)	3309	597	633	270	526	504	6952
Link Distance (ft)	2895	429	429		455	455	5926
Upstream Blk Time (%)	91	39	9		48	8	79
Queuing Penalty (veh)	1546	334	80		0	0	0
Storage Bay Dist (ft)				240			
Storage Blk Time (%)				71	2		
Queuing Penalty (veh)				379	14		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	EB	EB	WB	WB	B14	B14	B95	B95	NB	NB	NB	SB
Directions Served	L	TR	L	TR	T	T	T	T	L	T	TR	L
Maximum Queue (ft)	359	146	618	618	596	596	81	61	224	1983	1984	62
Average Queue (ft)	202	38	614	474	584	577	48	33	27	1659	1652	16
95th Queue (ft)	393	139	624	847	647	653	83	61	146	2683	2705	48
Link Distance (ft)	374	374	546	546	524	524	15	15		1954	1954	
Upstream Blk Time (%)	18	3	100	59	95	91	88	48		26	26	
Queuing Penalty (veh)	0	0	247	148	234	223	217	119		223	222	
Storage Bay Dist (ft)									200			375
Storage Blk Time (%)									0	88		
Queuing Penalty (veh)									0	4		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	SB	B33	B33
Directions Served	TR	T	
Maximum Queue (ft)	4	398	221
Average Queue (ft)	0	14	8
95th Queue (ft)	3	149	114
Link Distance (ft)	429	512	512
Upstream Blk Time (%)		0	0
Queuing Penalty (veh)		0	0
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	87	76	230	25	70	215	940	952	957	50	170	173
Average Queue (ft)	27	23	127	2	21	78	713	722	644	13	68	68
95th Queue (ft)	66	53	198	14	50	233	1274	1270	1328	37	138	138
Link Distance (ft)	301	301		613	613		903	903	903			1954
Upstream Blk Time (%)							25	37	20			
Queuing Penalty (veh)							165	243	132			
Storage Bay Dist (ft)			245			190				225	225	
Storage Blk Time (%)			0				70				0	
Queuing Penalty (veh)			0				25				0	

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	SB
Directions Served	R
Maximum Queue (ft)	27
Average Queue (ft)	5
95th Queue (ft)	18
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	225
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	215	278	114	106	300	215	1747	1747	355	244	448	382
Average Queue (ft)	181	223	49	46	119	48	1442	1443	161	208	190	157
95th Queue (ft)	259	339	104	92	257	183	2201	2201	449	280	402	312
Link Distance (ft)		263	393	393	393		1732	1732			903	903
Upstream Blk Time (%)		29			0		55	62				
Queuing Penalty (veh)		0			0		0	0				
Storage Bay Dist (ft)	190					190			330	220		
Storage Blk Time (%)	36	9					82	81	0	17	0	0
Queuing Penalty (veh)	98	17					27	77	0	119	2	0

Intersection: 6: US Hwy 395 & Joshua Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	16
Average Queue (ft)	2
95th Queue (ft)	10
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	270
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	WB	SB	SB
Directions Served	T	L	R
Maximum Queue (ft)	6	49	96
Average Queue (ft)	0	23	47
95th Queue (ft)	4	44	77
Link Distance (ft)	919		1440
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		25	
Storage Blk Time (%)		9	22
Queuing Penalty (veh)		30	11

Intersection: 8: Joshua Street & I-15 NB On-Ramp

Movement	EB	WB
Directions Served	LT	TR
Maximum Queue (ft)	165	4
Average Queue (ft)	56	0
95th Queue (ft)	124	3
Link Distance (ft)	919	238
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Zone Summary

Zone wide Queuing Penalty: 6696

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	WB	WB	WB	B71	B71	B71	NB	NB	NB
Directions Served	L	T	TR	L	T	TR	T	T		L	T	TR
Maximum Queue (ft)	364	2828	2841	269	2246	2246	607	618	589	305	584	564
Average Queue (ft)	217	1742	1770	35	2197	2199	494	501	167	251	470	424
95th Queue (ft)	456	3639	3656	147	2477	2469	802	808	591	418	799	734
Link Distance (ft)		5798	5798		2175	2175	558	558	558		512	512
Upstream Blk Time (%)		5	4		82	88	22	31	6		29	12
Queuing Penalty (veh)		0	0		663	712	119	169	34		228	95
Storage Bay Dist (ft)	340			245						280		
Storage Blk Time (%)	2	57			69					33	39	
Queuing Penalty (veh)	9	55			15					177	81	

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	B33	B69	B69	SB	SB	SB	B47
Directions Served	T	T		L	T	TR	T
Maximum Queue (ft)	2176	360	184	265	508	470	5960
Average Queue (ft)	1123	84	36	213	505	438	5762
95th Queue (ft)	3129	357	236	372	516	455	6838
Link Distance (ft)	2895	429	429		437	437	5945
Upstream Blk Time (%)	15	4	1		51	24	85
Queuing Penalty (veh)	228	28	7		0	0	0
Storage Bay Dist (ft)				240			
Storage Blk Time (%)				0	81		
Queuing Penalty (veh)				2	295		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	EB	EB	WB	WB	B14	B14	B95	B95	NB	NB	SB	SB
Directions Served	L	TR	L	TR	T	T	T	T	LT	TR	L	TR
Maximum Queue (ft)	81	143	610	616	593	596	38	54	1542	1525	300	272
Average Queue (ft)	24	46	601	542	534	542	17	28	580	554	179	126
95th Queue (ft)	61	162	635	837	744	749	41	53	1638	1635	371	478
Link Distance (ft)	382	382	546	546	524	524	15	15	1954	1954		429
Upstream Blk Time (%)		1	98	87	86	86	62	77	12	12		18
Queuing Penalty (veh)		0	370	328	321	322	233	288	127	128		544
Storage Bay Dist (ft)											375	
Storage Blk Time (%)											6	15
Queuing Penalty (veh)											130	63

Intersection: 3: US Hwy 395 & Poplar Street

Movement	B69	B33	B33
Directions Served	T	T	
Maximum Queue (ft)	1186	559	545
Average Queue (ft)	606	369	218
95th Queue (ft)	2467	760	635
Link Distance (ft)	2895	512	512
Upstream Blk Time (%)	13	15	12
Queuing Penalty (veh)	396	227	182
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	131	85	267	267	201	120	704	721	101	102	140	165
Average Queue (ft)	53	34	177	22	72	27	336	352	30	38	55	61
95th Queue (ft)	180	74	291	151	291	83	764	776	73	85	121	138
Link Distance (ft)	301	301		613	613		903	903	903			1954
Upstream Blk Time (%)	5				3		12	12				
Queuing Penalty (veh)	0				0		90	90				
Storage Bay Dist (ft)			245			190				225	225	
Storage Blk Time (%)			7				22					
Queuing Penalty (veh)			0				7					

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	SB
Directions Served	R
Maximum Queue (ft)	22
Average Queue (ft)	5
95th Queue (ft)	17
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	225
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	154	165	126	219	399	215	1621	1618	355	211	274	267
Average Queue (ft)	80	87	44	104	233	73	1191	1194	161	98	113	114
95th Queue (ft)	173	195	100	201	411	192	1953	1945	448	194	236	228
Link Distance (ft)		263	393	393	393		1732	1732			903	903
Upstream Blk Time (%)		10			12		21	23				
Queuing Penalty (veh)		0			32		0	0				
Storage Bay Dist (ft)	190					190			330	220		
Storage Blk Time (%)	11						53	53	0	1	1	0
Queuing Penalty (veh)	11						30	49	0	9	2	1

Intersection: 6: US Hwy 395 & Joshua Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	176
Average Queue (ft)	26
95th Queue (ft)	89
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	270
Storage Blk Time (%)	0
Queuing Penalty (veh)	0

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	WB	SB	SB
Directions Served	T	L	R
Maximum Queue (ft)	71	49	575
Average Queue (ft)	22	16	282
95th Queue (ft)	137	50	956
Link Distance (ft)	919		1440
Upstream Blk Time (%)			10
Queuing Penalty (veh)			0
Storage Bay Dist (ft)		25	
Storage Blk Time (%)		2	73
Queuing Penalty (veh)		14	13

Intersection: 8: Joshua Street & I-15 NB On-Ramp

Movement	EB
Directions Served	LT
Maximum Queue (ft)	51
Average Queue (ft)	7
95th Queue (ft)	35
Link Distance (ft)	919
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Zone Summary

Zone wide Queuing Penalty: 6919

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	WB	WB	WB	B71	B71	NB	NB	NB	B33
Directions Served	L	T	TR	L	T	TR	T	T	L	T	TR	T
Maximum Queue (ft)	364	2445	2449	261	1558	1590	20	24	305	584	569	2966
Average Queue (ft)	147	1540	1556	28	1045	1083	1	2	289	584	524	2937
95th Queue (ft)	407	2465	2478	137	1989	2012	17	24	381	589	550	3242
Link Distance (ft)		5798	5798		2176	2176	558	558		512	512	2895
Upstream Blk Time (%)					1	1				50	17	81
Queuing Penalty (veh)					4	6				794	272	2569
Storage Bay Dist (ft)	340			245					280			
Storage Blk Time (%)	0	69		0	67				1	84		
Queuing Penalty (veh)	0	35		0	8				16	336		

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	B69	B69	SB	SB	SB	B47
Directions Served	T		L	T	TR	T
Maximum Queue (ft)	497	478	265	550	530	5918
Average Queue (ft)	456	360	263	549	485	5706
95th Queue (ft)	480	630	269	555	512	6776
Link Distance (ft)	429	429		480	480	5903
Upstream Blk Time (%)	29	5		50	9	78
Queuing Penalty (veh)	453	85		0	0	0
Storage Bay Dist (ft)			240			
Storage Blk Time (%)			76	2		
Queuing Penalty (veh)			556	12		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	EB	EB	WB	WB	B14	B14	B95	B95	NB	NB	NB	SB
Directions Served	L	TR	L	TR	T	T	T	T	L	T	TR	L
Maximum Queue (ft)	394	325	618	618	596	596	76	74	225	1988	1988	372
Average Queue (ft)	283	103	607	579	568	586	19	33	71	1943	1945	213
95th Queue (ft)	449	343	619	765	613	599	57	57	241	2101	2119	406
Link Distance (ft)	386	386	546	546	524	524	15	15		1954	1954	
Upstream Blk Time (%)	32	19	100	92	97	99	34	83		20	26	
Queuing Penalty (veh)	0	0	414	381	403	409	143	341		295	372	
Storage Bay Dist (ft)									200			375
Storage Blk Time (%)										93		11
Queuing Penalty (veh)										34		132

Intersection: 3: US Hwy 395 & Poplar Street

Movement	SB	B69	B33	B33
Directions Served	TR	T	T	
Maximum Queue (ft)	401	628	511	310
Average Queue (ft)	92	87	40	14
95th Queue (ft)	399	498	259	152
Link Distance (ft)	429	2895	512	512
Upstream Blk Time (%)	7		0	0
Queuing Penalty (veh)	123		2	0
Storage Bay Dist (ft)				
Storage Blk Time (%)	3			
Queuing Penalty (veh)	12			

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	314	128	246	628	628	215	939	955	958	163	195	176
Average Queue (ft)	212	28	127	552	625	64	876	883	780	67	76	78
95th Queue (ft)	394	84	238	858	668	220	1125	1130	1345	129	152	151
Link Distance (ft)	301	301		613	613		903	903	903			1954
Upstream Blk Time (%)	40			41	93		40	60	33			
Queuing Penalty (veh)	0			0	0		334	496	277			
Storage Bay Dist (ft)			245			190				225	225	
Storage Blk Time (%)			3			0	91				0	
Queuing Penalty (veh)			1			0	32				1	

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	SB
Directions Served	R
Maximum Queue (ft)	23
Average Queue (ft)	4
95th Queue (ft)	16
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	225
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	215	278	357	394	406	215	1747	1747	355	232	345	312
Average Queue (ft)	214	278	147	64	344	43	1678	1677	109	148	134	133
95th Queue (ft)	218	282	306	216	508	176	2022	2027	376	245	303	260
Link Distance (ft)		263	393	393	393		1732	1732			903	903
Upstream Blk Time (%)		82	1	0	36		79	85				
Queuing Penalty (veh)		0	2	1	95		0	0				
Storage Bay Dist (ft)	190					190			330	220		
Storage Blk Time (%)	86	4					95	95	0	8	0	0
Queuing Penalty (veh)	352	21					40	92	0	64	1	0

Intersection: 6: US Hwy 395 & Joshua Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	23
Average Queue (ft)	3
95th Queue (ft)	11
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	270
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	WB	SB	SB
Directions Served	T	L	R
Maximum Queue (ft)	292	49	1455
Average Queue (ft)	87	28	848
95th Queue (ft)	245	65	1868
Link Distance (ft)	919		1440
Upstream Blk Time (%)			43
Queuing Penalty (veh)			0
Storage Bay Dist (ft)		25	
Storage Blk Time (%)		9	84
Queuing Penalty (veh)		49	54

Intersection: 8: Joshua Street & I-15 NB On-Ramp

Movement	EB
Directions Served	LT
Maximum Queue (ft)	179
Average Queue (ft)	69
95th Queue (ft)	136
Link Distance (ft)	919
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Zone Summary

Zone wide Queuing Penalty: 10117

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	WB	WB	WB	B71	B71	B71	NB	NB	NB
Directions Served	L	T	TR	L	T	TR	T	T		L	T	TR
Maximum Queue (ft)	365	2542	2565	269	2245	2245	602	612	587	305	584	548
Average Queue (ft)	241	1357	1382	40	2187	2193	477	485	136	246	431	379
95th Queue (ft)	467	3175	3185	168	2489	2474	812	814	534	410	751	693
Link Distance (ft)		5798	5798		2174	2174	558	558	558		512	512
Upstream Blk Time (%)		3	3		80	86	21	31	4		18	10
Queuing Penalty (veh)		0	0		649	697	115	167	24		142	81
Storage Bay Dist (ft)	340			245						280		
Storage Blk Time (%)	11	47			68					20	36	
Queuing Penalty (veh)	53	46			15					109	75	

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	B33	B69	B69	SB	SB	SB	B47
Directions Served	T	T		L	T	TR	T
Maximum Queue (ft)	1160	182	88	265	525	478	5941
Average Queue (ft)	489	16	3	243	525	452	5722
95th Queue (ft)	1817	144	63	340	525	490	6851
Link Distance (ft)	2895	428	428		455	455	5926
Upstream Blk Time (%)	3	0	0		50	14	84
Queuing Penalty (veh)	40	2	0		0	0	0
Storage Bay Dist (ft)				240			
Storage Blk Time (%)				7	80		
Queuing Penalty (veh)				98	301		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	EB	EB	WB	WB	B14	B14	B95	B95	NB	NB	NB	SB
Directions Served	L	TR	L	TR	T	T	T	T	L	T	TR	L
Maximum Queue (ft)	40	134	618	618	588	596	30	59	96	894	884	335
Average Queue (ft)	11	47	603	573	486	519	10	28	25	298	331	188
95th Queue (ft)	34	182	650	764	753	794	33	60	66	1369	1415	381
Link Distance (ft)	402	402	546	546	524	524	15	15		1954	1954	
Upstream Blk Time (%)		1	95	79	60	81	30	51		11	11	
Queuing Penalty (veh)		0	369	307	231	310	113	195		119	121	
Storage Bay Dist (ft)									200			375
Storage Blk Time (%)										0		17
Queuing Penalty (veh)										0		382

Intersection: 3: US Hwy 395 & Poplar Street

Movement	SB	B69	B33	B33
Directions Served	TR	T	T	
Maximum Queue (ft)	345	1186	563	550
Average Queue (ft)	102	455	365	210
95th Queue (ft)	427	2141	758	630
Link Distance (ft)	428	2895	512	512
Upstream Blk Time (%)	15	11	12	10
Queuing Penalty (veh)	452	327	185	148
Storage Bay Dist (ft)				
Storage Blk Time (%)	11			
Queuing Penalty (veh)	49			

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	115	84	266	228	152	212	726	732	135	104	134	150
Average Queue (ft)	44	34	189	44	51	37	413	437	39	44	63	70
95th Queue (ft)	159	69	283	257	157	124	808	822	90	94	124	142
Link Distance (ft)	301	301		613	613		903	903	903			1954
Upstream Blk Time (%)	5			0			11	11				
Queuing Penalty (veh)	0			0			84	84				
Storage Bay Dist (ft)			245			190				225	225	
Storage Blk Time (%)			11				26					
Queuing Penalty (veh)			0				8					

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	SB
Directions Served	R
Maximum Queue (ft)	18
Average Queue (ft)	4
95th Queue (ft)	16
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	225
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	158	160	135	276	397	214	1747	1747	355	219	252	248
Average Queue (ft)	84	77	47	110	245	63	1566	1567	126	100	120	127
95th Queue (ft)	170	190	110	220	420	180	2100	2094	400	193	225	231
Link Distance (ft)		263	393	393	393		1732	1732			903	903
Upstream Blk Time (%)		8		0	11		42	48				
Queuing Penalty (veh)		0		0	31		0	0				
Storage Bay Dist (ft)	190					190			330	220		
Storage Blk Time (%)	9	0				0	54	55	0	0	1	0
Queuing Penalty (veh)	9	0				0	30	52	0	3	2	0

Intersection: 6: US Hwy 395 & Joshua Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	135
Average Queue (ft)	21
95th Queue (ft)	75
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	270
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	WB	SB	SB
Directions Served	T	L	R
Maximum Queue (ft)	62	49	715
Average Queue (ft)	16	16	343
95th Queue (ft)	110	53	1012
Link Distance (ft)	919		1440
Upstream Blk Time (%)			9
Queuing Penalty (veh)			0
Storage Bay Dist (ft)		25	
Storage Blk Time (%)		1	79
Queuing Penalty (veh)		12	14

Intersection: 8: Joshua Street & I-15 NB On-Ramp

Movement	EB
Directions Served	LT
Maximum Queue (ft)	59
Average Queue (ft)	11
95th Queue (ft)	41
Link Distance (ft)	919
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Zone Summary

Zone wide Queuing Penalty: 6249

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	B33	B69	B69
Directions Served	L	T	TR	L	T	TR	L	T	TR	T	T	
Maximum Queue (ft)	364	3279	3288	269	1582	1607	305	584	551	2966	489	478
Average Queue (ft)	122	2197	2213	26	952	992	295	584	519	2944	452	374
95th Queue (ft)	363	3660	3665	137	1541	1578	368	586	537	3181	518	622
Link Distance (ft)		5798	5798		2174	2174		512	512	2895	430	430
Upstream Blk Time (%)								48	16	82	29	6
Queuing Penalty (veh)								768	261	2612	457	88
Storage Bay Dist (ft)	340			245			280					
Storage Blk Time (%)	0	72			71		1	84				
Queuing Penalty (veh)	0	36			8		18	341				

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	SB	SB	SB	B47
Directions Served	L	T	TR	T
Maximum Queue (ft)	265	525	486	5941
Average Queue (ft)	262	524	456	5721
95th Queue (ft)	269	528	471	6842
Link Distance (ft)		455	455	5926
Upstream Blk Time (%)		50	8	80
Queuing Penalty (veh)		0	0	0
Storage Bay Dist (ft)	240			
Storage Blk Time (%)	77	1		
Queuing Penalty (veh)	558	5		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	EB	EB	WB	WB	B14	B14	B95	B95	NB	NB	NB	SB
Directions Served	L	TR	L	TR	T	T	T	T	L	T	TR	L
Maximum Queue (ft)	378	300	617	618	596	596	71	56	225	1986	1991	400
Average Queue (ft)	292	119	605	556	581	585	29	30	74	1933	1937	267
95th Queue (ft)	440	357	617	769	611	597	61	52	248	2169	2180	487
Link Distance (ft)	372	372	546	546	524	524	15	15		1954	1954	
Upstream Blk Time (%)	40	17	100	84	100	99	70	86		21	26	
Queuing Penalty (veh)	0	0	462	391	460	459	321	395		301	375	
Storage Bay Dist (ft)									200			375
Storage Blk Time (%)										93		32
Queuing Penalty (veh)										34		373

Intersection: 3: US Hwy 395 & Poplar Street

Movement	SB	B69	B33	B33
Directions Served	TR	T	T	
Maximum Queue (ft)	493	1190	332	203
Average Queue (ft)	221	447	51	10
95th Queue (ft)	618	1868	292	130
Link Distance (ft)	430	2895	512	512
Upstream Blk Time (%)	20	3	0	0
Queuing Penalty (veh)	328	47	3	0
Storage Bay Dist (ft)				
Storage Blk Time (%)	2			
Queuing Penalty (veh)	7			

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	211	122	259	628	628	215	955	961	957	144	173	164
Average Queue (ft)	119	27	130	569	621	62	880	884	770	61	80	76
95th Queue (ft)	282	72	245	847	683	213	1100	1111	1340	118	156	146
Link Distance (ft)	301	301		613	613		903	903	903			1954
Upstream Blk Time (%)	18			48	89		41	59	27			
Queuing Penalty (veh)	0			0	0		340	492	224			
Storage Bay Dist (ft)			245			190				225	225	
Storage Blk Time (%)			6			0	91				0	0
Queuing Penalty (veh)			1			0	32				0	0

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	SB
Directions Served	R
Maximum Queue (ft)	28
Average Queue (ft)	4
95th Queue (ft)	17
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	225
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	R	L	T	T
Maximum Queue (ft)	215	278	274	336	409	215	1747	1747	355	243	344	305
Average Queue (ft)	214	277	92	65	366	65	1678	1675	196	160	144	144
95th Queue (ft)	217	284	215	236	505	221	2037	2040	486	256	336	281
Link Distance (ft)		263	393	393	393		1732	1732			903	903
Upstream Blk Time (%)		90		0	48		79	85				
Queuing Penalty (veh)		0		0	131		0	0				
Storage Bay Dist (ft)	190					190			330	220		
Storage Blk Time (%)	95	1					94	94	0	10	0	0
Queuing Penalty (veh)	386	5					39	90	0	75	1	0

Intersection: 6: US Hwy 395 & Joshua Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	23
Average Queue (ft)	2
95th Queue (ft)	10
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	270
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	WB	SB	SB
Directions Served	T	L	R
Maximum Queue (ft)	381	49	1455
Average Queue (ft)	133	22	1127
95th Queue (ft)	324	60	2018
Link Distance (ft)	919		1440
Upstream Blk Time (%)			67
Queuing Penalty (veh)			0
Storage Bay Dist (ft)		25	
Storage Blk Time (%)		6	92
Queuing Penalty (veh)		33	58

Intersection: 8: Joshua Street & I-15 NB On-Ramp

Movement	EB	WB
Directions Served	LT	TR
Maximum Queue (ft)	156	4
Average Queue (ft)	68	0
95th Queue (ft)	134	3
Link Distance (ft)	919	238
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Zone Summary

Zone wide Queuing Penalty: 11018

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City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main AM
Site Code : 05119658
Start Date : 9/28/2019
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Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

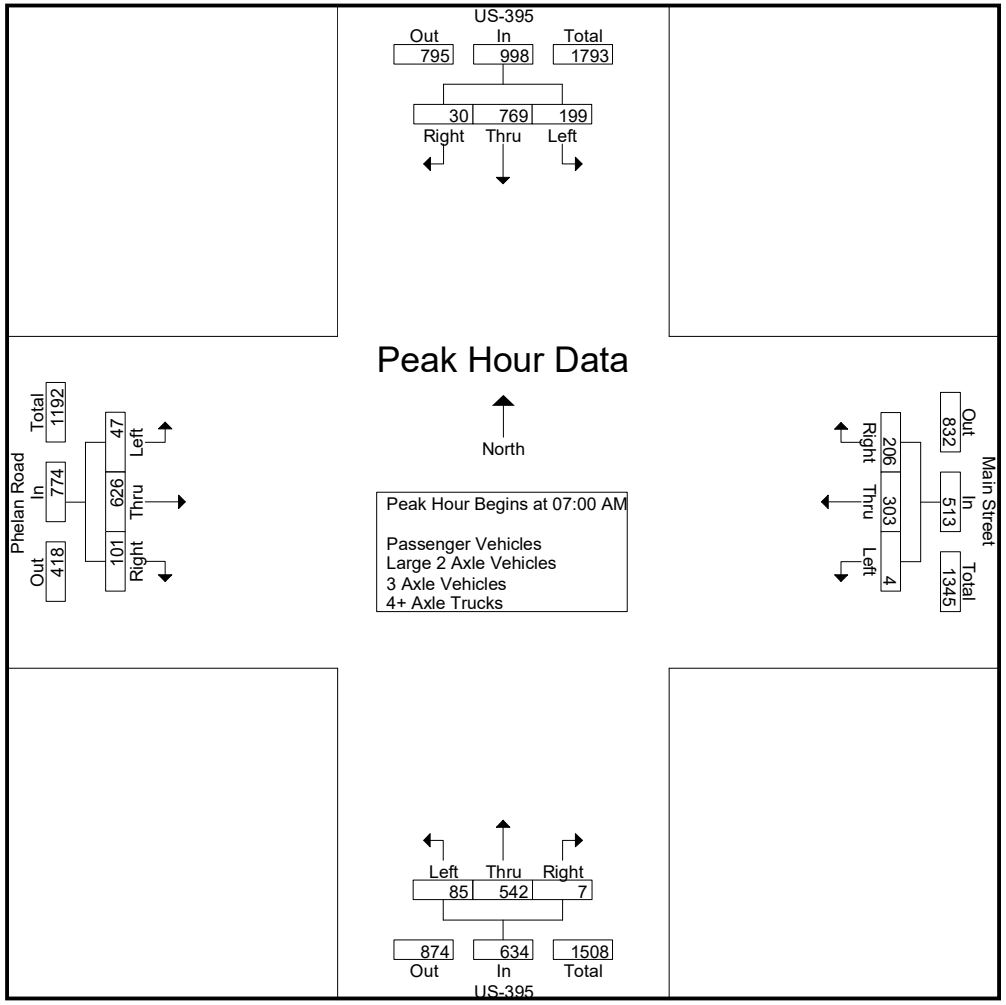
	US-395 Southbound					Main Street Westbound					US-395 Northbound					Phelan Road Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	68	219	5	0	292	2	76	53	19	131	15	137	1	0	153	12	134	25	15	171	34	747	781
07:15 AM	45	190	11	2	246	1	67	54	24	122	22	133	3	0	158	11	149	34	12	194	38	720	758
07:30 AM	39	172	8	2	219	1	88	66	21	155	27	153	1	0	181	12	174	15	6	201	29	756	785
07:45 AM	47	188	6	0	241	0	72	33	13	105	21	119	2	0	142	12	169	27	10	208	23	696	719
Total	199	769	30	4	998	4	303	206	77	513	85	542	7	0	634	47	626	101	43	774	124	2919	3043
08:00 AM	31	176	5	1	212	1	71	35	14	107	13	85	1	0	99	7	153	34	6	194	21	612	633
08:15 AM	44	182	9	2	235	1	57	31	16	89	13	136	1	0	150	14	141	27	14	182	32	656	688
08:30 AM	35	170	9	2	214	2	87	37	16	126	20	129	3	0	152	12	158	22	8	192	26	684	710
08:45 AM	33	158	10	1	201	1	53	29	22	83	15	105	4	1	124	11	130	17	4	158	28	566	594
Total	143	686	33	6	862	5	268	132	68	405	61	455	9	1	525	44	582	100	32	726	107	2518	2625
Grand Total	342	1455	63	10	1860	9	571	338	145	918	146	997	16	1	1159	91	1208	201	75	1500	231	5437	5668
Apprch %	18.4	78.2	3.4			1	62.2	36.8			12.6	86	1.4			6.1	80.5	13.4					
Total %	6.3	26.8	1.2		34.2	0.2	10.5	6.2		16.9	2.7	18.3	0.3		21.3	1.7	22.2	3.7		27.6	4.1	95.9	
Passenger Vehicles	330	1295	58		1693	9	537	325		1010	130	846	12		989	90	1178	191		1534	0	0	5226
% Passenger Vehicles	96.5	89	92.1	100	90.5	100	94	96.2	95.9	95	89	84.9	75	100	85.3	98.9	97.5	95	100	97.4	0	0	92.2
Large 2 Axle Vehicles	6	23	5		34	0	25	5		34	11	40	2		53	0	16	7		23	0	0	144
% Large 2 Axle Vehicles	1.8	1.6	7.9	0	1.8	0	4.4	1.5	2.8	3.2	7.5	4	12.5	0	4.6	0	1.3	3.5	0	1.5	0	0	2.5
3 Axle Vehicles	3	8	0		11	0	6	3		10	2	10	0		12	0	7	0		7	0	0	40
% 3 Axle Vehicles	0.9	0.5	0	0	0.6	0	1.1	0.9	0.7	0.9	1.4	1	0	0	1	0	0.6	0	0	0.4	0	0	0.7
4+ Axle Trucks	3	129	0		132	0	3	5		9	3	101	2		106	1	7	3		11	0	0	258
% 4+ Axle Trucks	0.9	8.9	0	0	7.1	0	0.5	1.5	0.7	0.8	2.1	10.1	12.5	0	9.1	1.1	0.6	1.5	0	0.7	0	0	4.6

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	**68**	**219**	5	**292**	**2**	76	53	131	15	137	1	153	**12**	134	25	171	747
07:15 AM	45	190	**11**	246	1	67	54	122	22	133	**3**	158	11	149	**34**	194	720
07:30 AM	39	172	8	219	1	**88**	**66**	**155**	**27**	**153**	1	**181**	12	**174**	15	201	**756**
07:45 AM	47	188	6	241	0	72	33	105	21	119	2	142	12	169	27	**208**	696
Total Volume	199	769	30	998	4	303	206	513	85	542	7	634	47	626	101	774	2919
% App. Total	19.9	77.1	3		0.8	59.1	40.2		13.4	85.5	1.1		6.1	80.9	13		
PHF	.732	.878	.682	.854	.500	.861	.780	.827	.787	.886	.583	.876	.979	.899	.743	.930	.965

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City of Hesperia
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File Name : 08_HES_US-395_Main AM
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	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	07:00 AM				07:00 AM				07:00 AM				07:15 AM				
+0 mins.	**68**	**219**	5	**292**	**2**	76	53	131	15	137	1	153	11	149	**34**	194	
+15 mins.	45	190	**11**	246	1	67	54	122	22	133	**3**	158	**12**	**174**	15	201	
+30 mins.	39	172	8	219	1	**88**	**66**	**155**	**27**	**153**	1	**181**	12	169	27	**208**	
+45 mins.	47	188	6	241	0	72	33	105	21	119	2	142	7	153	34	194	
Total Volume	199	769	30	998	4	303	206	513	85	542	7	634	42	645	110	797	
% App. Total	19.9	77.1	3		0.8	59.1	40.2		13.4	85.5	1.1		5.3	80.9	13.8		
PHF	.732	.878	.682	.854	.500	.861	.780	.827	.787	.886	.583	.876	.875	.927	.809	.958	

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Groups Printed- Passenger Vehicles

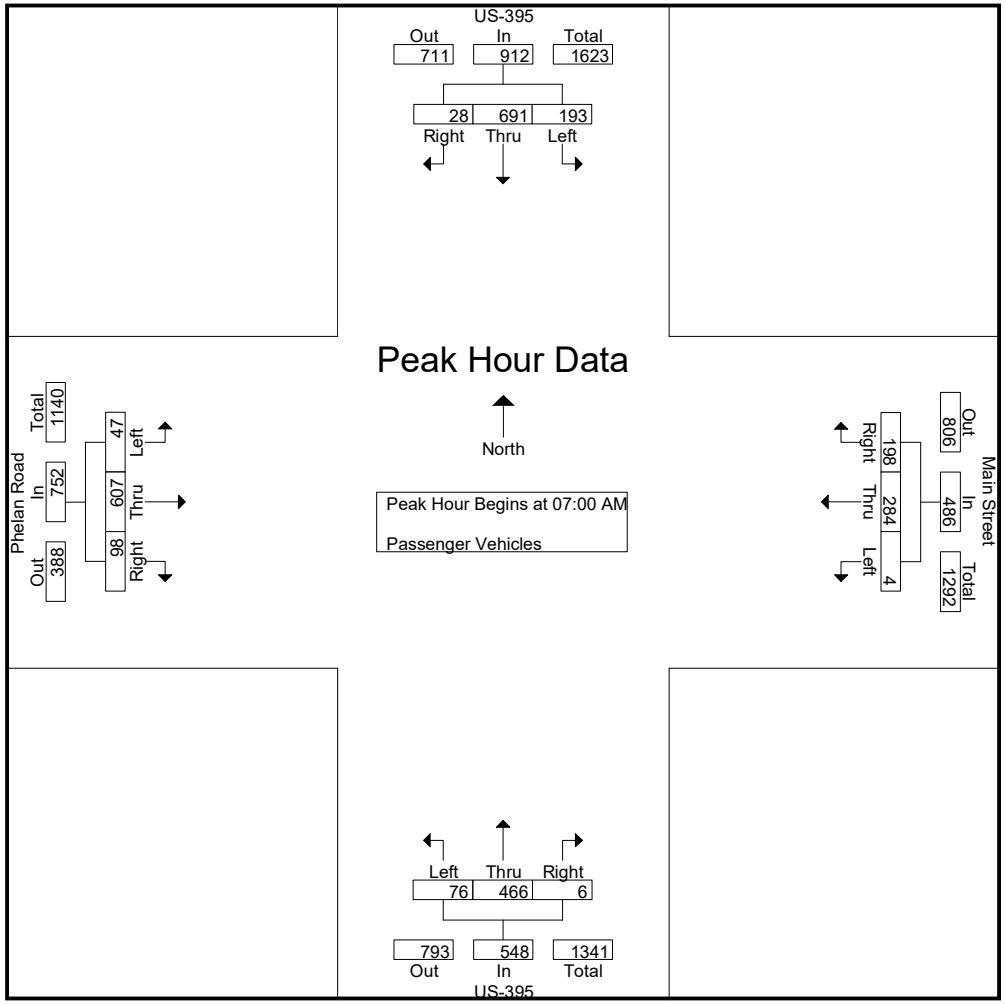
	US-395 Southbound					Main Street Westbound					US-395 Northbound					Phelan Road Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	64	199	4	0	267	2	69	50	19	121	15	120	1	0	136	12	130	24	15	166	34	690	724
07:15 AM	44	173	10	2	227	1	63	52	24	116	20	112	3	0	135	11	146	34	12	191	38	669	707
07:30 AM	39	150	8	2	197	1	84	64	20	149	23	134	1	0	158	12	170	14	6	196	28	700	728
07:45 AM	46	169	6	0	221	0	68	32	13	100	18	100	1	0	119	12	161	26	10	199	23	639	662
Total	193	691	28	4	912	4	284	198	76	486	76	466	6	0	548	47	607	98	43	752	123	2698	2821
08:00 AM	27	162	5	1	194	1	66	33	12	100	11	72	0	0	83	7	150	28	6	185	19	562	581
08:15 AM	44	161	9	2	214	1	54	31	16	86	12	117	1	0	130	14	138	27	14	179	32	609	641
08:30 AM	33	143	8	2	184	2	82	35	14	119	17	109	2	0	128	11	155	21	8	187	24	618	642
08:45 AM	33	138	8	1	179	1	51	28	21	80	14	82	3	1	99	11	128	17	4	156	27	514	541
Total	137	604	30	6	771	5	253	127	63	385	54	380	6	1	440	43	571	93	32	707	102	2303	2405
Grand Total	330	1295	58	10	1683	9	537	325	139	871	130	846	12	1	988	90	1178	191	75	1459	225	5001	5226
Apprch %	19.6	76.9	3.4			1	61.7	37.3			13.2	85.6	1.2			6.2	80.7	13.1					
Total %	6.6	25.9	1.2		33.7	0.2	10.7	6.5		17.4	2.6	16.9	0.2		19.8	1.8	23.6	3.8		29.2	4.3	95.7	

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	**64**	**199**	4	**267**	**2**	69	50	121	15	120	1	136	**12**	130	24	166	690
07:15 AM	44	173	**10**	227	1	63	52	116	20	112	**3**	135	11	146	**34**	191	669
07:30 AM	39	150	8	197	1	**84**	**64**	**149**	**23**	**134**	1	**158**	12	**170**	14	196	**700**
07:45 AM	46	169	6	221	0	68	32	100	18	100	1	119	12	161	26	**199**	639
Total Volume	193	691	28	912	4	284	198	486	76	466	6	548	47	607	98	752	2698
% App. Total	21.2	75.8	3.1		0.8	58.4	40.7		13.9	85	1.1		6.2	80.7	13		
PHF	.754	.868	.700	.854	.500	.845	.773	.815	.826	.869	.500	.867	.979	.893	.721	.945	.964

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Weather: Clear

File Name : 08_HES_US-395_Main AM
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	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	07:00 AM				07:00 AM				07:00 AM				07:00 AM				
+0 mins.	**64**	**199**	4	**267**	**2**	69	50	121	15	120	1	136	**12**	130	24	166	
+15 mins.	44	173	**10**	227	1	63	52	116	20	112	**3**	135	11	146	**34**	191	
+30 mins.	39	150	8	197	1	**84**	**64**	**149**	**23**	**134**	1	**158**	12	**170**	14	196	
+45 mins.	46	169	6	221	0	68	32	100	18	100	1	119	12	161	26	**199**	
Total Volume	193	691	28	912	4	284	198	486	76	466	6	548	47	607	98	752	
% App. Total	21.2	75.8	3.1		0.8	58.4	40.7		13.9	85	1.1		6.2	80.7	13		
PHF	.754	.868	.700	.854	.500	.845	.773	.815	.826	.869	.500	.867	.979	.893	.721	.945	

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Groups Printed- Large 2 Axle Vehicles

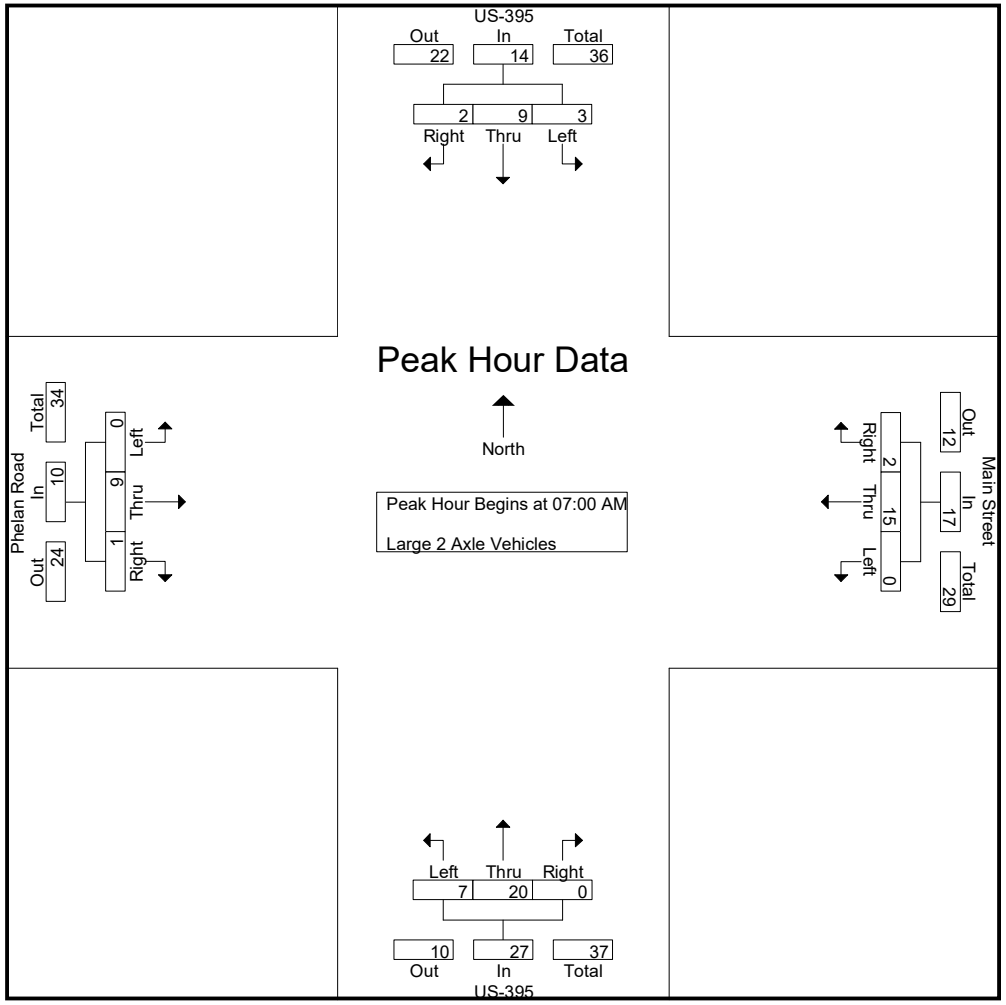
	US-395 Southbound					Main Street Westbound					US-395 Northbound					Phelan Road Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	1	3	1	0	5	0	7	1	0	8	0	3	0	0	3	0	2	0	0	2	0	18	18
07:15 AM	1	2	1	0	4	0	3	0	0	3	1	8	0	0	9	0	2	0	0	2	0	18	18
07:30 AM	0	4	0	0	4	0	2	1	1	3	4	5	0	0	9	0	1	1	0	2	1	18	19
07:45 AM	1	0	0	0	1	0	3	0	0	3	2	4	0	0	6	0	4	0	0	4	0	14	14
Total	3	9	2	0	14	0	15	2	1	17	7	20	0	0	27	0	9	1	0	10	1	68	69
08:00 AM	1	2	0	0	3	0	4	1	1	5	1	1	1	0	3	0	2	5	0	7	1	18	19
08:15 AM	0	5	0	0	5	0	2	0	0	2	0	4	0	0	4	0	1	0	0	1	0	12	12
08:30 AM	2	4	1	0	7	0	3	1	1	4	3	4	0	0	7	0	3	1	0	4	1	22	23
08:45 AM	0	3	2	0	5	0	1	1	1	2	0	11	1	0	12	0	1	0	0	1	1	20	21
Total	3	14	3	0	20	0	10	3	3	13	4	20	2	0	26	0	7	6	0	13	3	72	75
Grand Total	6	23	5	0	34	0	25	5	4	30	11	40	2	0	53	0	16	7	0	23	4	140	144
Apprch %	17.6	67.6	14.7			0	83.3	16.7			20.8	75.5	3.8			0	69.6	30.4					
Total %	4.3	16.4	3.6		24.3	0	17.9	3.6		21.4	7.9	28.6	1.4		37.9	0	11.4	5		16.4	2.8	97.2	

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	**1**	3	**1**	**5**	0	**7**	**1**	**8**	0	3	0	3	0	2	0	2	**18**
07:15 AM	1	2	1	4	0	3	0	3	1	**8**	0	**9**	0	2	0	2	18
07:30 AM	0	**4**	0	4	0	2	1	3	**4**	5	0	9	0	1	**1**	2	18
07:45 AM	1	0	0	1	0	3	0	3	2	4	0	6	0	**4**	0	**4**	14
Total Volume	3	9	2	14	0	15	2	17	7	20	0	27	0	9	1	10	68
% App. Total	21.4	64.3	14.3		0	88.2	11.8		25.9	74.1	0		0	90	10		
PHF	.750	.563	.500	.700	.000	.536	.500	.531	.438	.625	.000	.750	.000	.563	.250	.625	.944

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	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	07:00 AM				07:00 AM				07:00 AM				07:00 AM				
+0 mins.	**1**	3	**1**	**5**	0	**7**	**1**	**8**	0	3	0	3	0	2	0	2	
+15 mins.	1	2	1	4	0	3	0	3	1	**8**	0	**9**	0	2	0	2	
+30 mins.	0	**4**	0	4	0	2	1	3	**4**	5	0	9	0	1	**1**	2	
+45 mins.	1	0	0	1	0	3	0	3	2	4	0	6	0	**4**	0	**4**	
Total Volume	3	9	2	14	0	15	2	17	7	20	0	27	0	9	1	10	
% App. Total	21.4	64.3	14.3		0	88.2	11.8		25.9	74.1	0		0	90	10		
PHF	.750	.563	.500	.700	.000	.536	.500	.531	.438	.625	.000	.750	.000	.563	.250	.625	

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Groups Printed- 3 Axle Vehicles

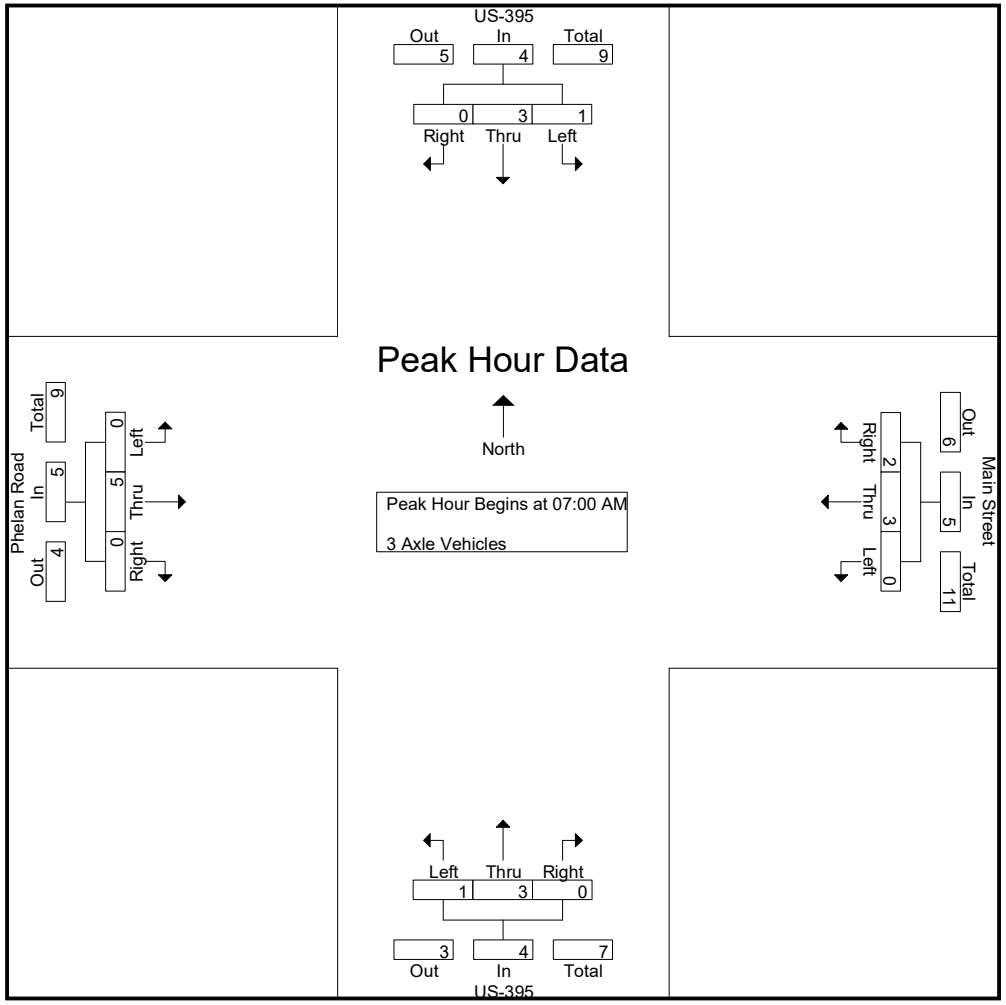
	US-395 Southbound					Main Street Westbound					US-395 Northbound					Phelan Road Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	1	2	0	0	3	0	0	1	0	1	0	1	0	0	1	0	1	0	0	1	0	6	6
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	2	2
07:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	3	3
07:45 AM	0	1	0	0	1	0	1	1	0	2	1	1	0	0	2	0	2	0	0	2	0	7	7
Total	1	3	0	0	4	0	3	2	0	5	1	3	0	0	4	0	5	0	0	5	0	18	18
08:00 AM	2	1	0	0	3	0	1	0	0	1	1	1	0	0	2	0	0	0	0	0	0	6	6
08:15 AM	0	0	0	0	0	0	1	0	0	1	0	4	0	0	4	0	1	0	0	1	0	6	6
08:30 AM	0	3	0	0	3	0	1	1	1	2	0	2	0	0	2	0	0	0	0	0	1	7	8
08:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	2
Total	2	5	0	0	7	0	3	1	1	4	1	7	0	0	8	0	2	0	0	2	1	21	22
Grand Total	3	8	0	0	11	0	6	3	1	9	2	10	0	0	12	0	7	0	0	7	1	39	40
Apprch %	27.3	72.7	0			0	66.7	33.3			16.7	83.3	0			0	100	0					
Total %	7.7	20.5	0		28.2	0	15.4	7.7		23.1	5.1	25.6	0		30.8	0	17.9	0		17.9	2.5	97.5	

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	**1**	**2**	0	**3**	0	0	**1**	1	0	**1**	0	1	0	1	0	1	6
07:15 AM	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	2
07:30 AM	0	0	0	0	0	**2**	0	**2**	0	0	0	0	0	1	0	1	3
07:45 AM	0	1	0	1	0	1	1	2	**1**	1	0	**2**	0	**2**	0	**2**	**7**
Total Volume	1	3	0	4	0	3	2	5	1	3	0	4	0	5	0	5	18
% App. Total	25	75	0		0	60	40		25	75	0		0	100	0		
PHF	.250	.375	.000	.333	.000	.375	.500	.625	.250	.750	.000	.500	.000	.625	.000	.625	.643

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City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main AM
Site Code : 05119658
Start Date : 9/28/2019
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City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
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File Name : 08_HES_US-395_Main AM
Site Code : 05119658
Start Date : 9/28/2019

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	07:00 AM				07:00 AM				07:00 AM				07:00 AM				
+0 mins.	**1**	**2**	0	**3**	0	0	**1**	1	0	**1**	0	1	0	1	0	1	
+15 mins.	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	
+30 mins.	0	0	0	0	0	**2**	0	**2**	0	0	0	0	0	1	0	1	
+45 mins.	0	1	0	1	0	1	1	2	**1**	1	0	**2**	0	**2**	0	**2**	
Total Volume	1	3	0	4	0	3	2	5	1	3	0	4	0	5	0	5	
% App. Total	25	75	0		0	60	40		25	75	0		0	100	0		
PHF	.250	.375	.000	.333	.000	.375	.500	.625	.250	.750	.000	.500	.000	.625	.000	.625	

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City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
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File Name : 08_HES_US-395_Main AM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 1

Groups Printed- 4+ Axle Trucks

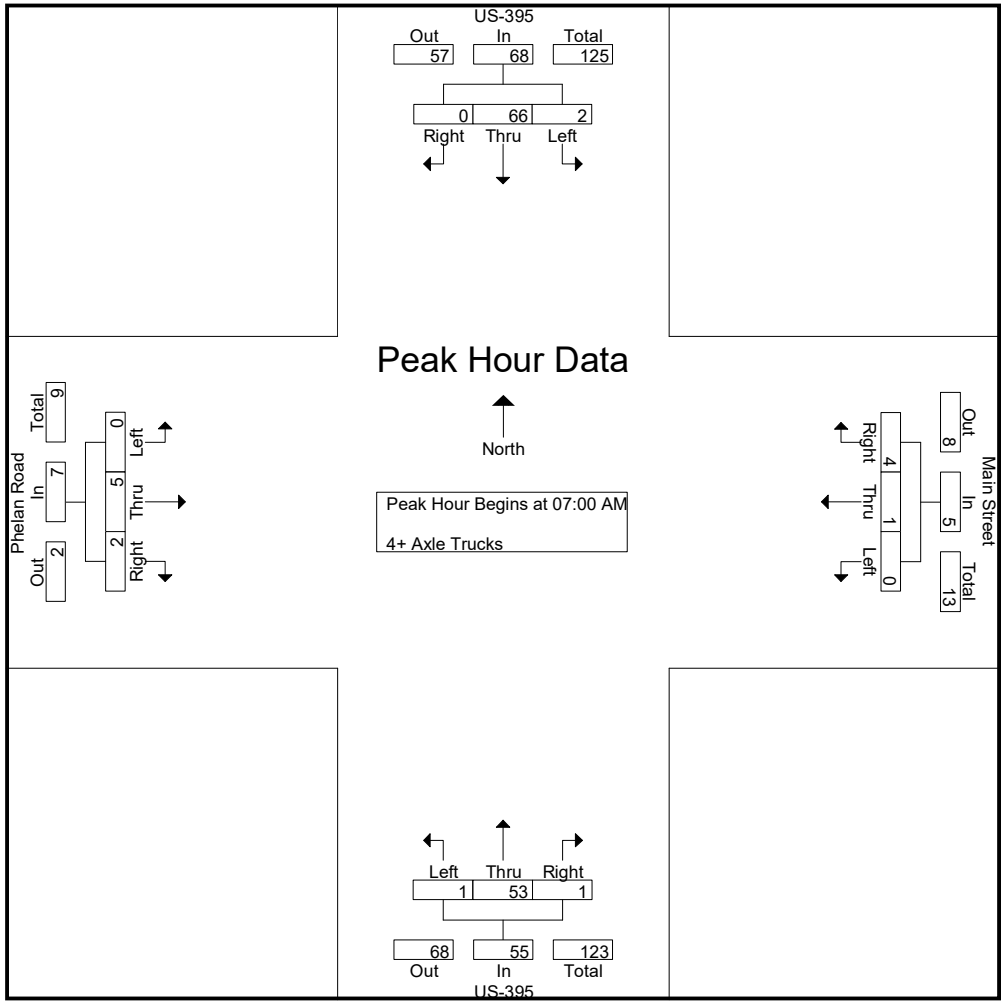
	US-395 Southbound					Main Street Westbound					US-395 Northbound					Phelan Road Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	2	15	0	0	17	0	0	1	0	1	0	13	0	0	13	0	1	1	0	2	0	33	33
07:15 AM	0	15	0	0	15	0	1	2	0	3	1	12	0	0	13	0	0	0	0	0	0	31	31
07:30 AM	0	18	0	0	18	0	0	1	0	1	0	14	0	0	14	0	2	0	0	2	0	35	35
07:45 AM	0	18	0	0	18	0	0	0	0	0	0	14	1	0	15	0	2	1	0	3	0	36	36
Total	2	66	0	0	68	0	1	4	0	5	1	53	1	0	55	0	5	2	0	7	0	135	135
08:00 AM	1	11	0	0	12	0	0	1	1	1	0	11	0	0	11	0	1	1	0	2	1	26	27
08:15 AM	0	16	0	0	16	0	0	0	0	0	1	11	0	0	12	0	1	0	0	1	0	29	29
08:30 AM	0	20	0	0	20	0	1	0	0	1	0	14	1	0	15	1	0	0	0	1	0	37	37
08:45 AM	0	16	0	0	16	0	1	0	0	1	1	12	0	0	13	0	0	0	0	0	0	30	30
Total	1	63	0	0	64	0	2	1	1	3	2	48	1	0	51	1	2	1	0	4	1	122	123
Grand Total	3	129	0	0	132	0	3	5	1	8	3	101	2	0	106	1	7	3	0	11	1	257	258
Apprch %	2.3	97.7	0			0	37.5	62.5			2.8	95.3	1.9			9.1	63.6	27.3					
Total %	1.2	50.2	0		51.4	0	1.2	1.9		3.1	1.2	39.3	0.8		41.2	0.4	2.7	1.2		4.3	0.4	99.6	

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	**2**	15	0	17	0	0	1	1	0	13	0	13	0	1	**1**	2	33
07:15 AM	0	15	0	15	0	**1**	**2**	**3**	**1**	12	0	13	0	0	0	0	31
07:30 AM	0	**18**	0	**18**	0	0	1	1	0	**14**	0	14	0	**2**	0	2	35
07:45 AM	0	18	0	18	0	0	0	0	0	14	**1**	**15**	0	2	1	**3**	**36**
Total Volume	2	66	0	68	0	1	4	5	1	53	1	55	0	5	2	7	135
% App. Total	2.9	97.1	0		0	20	80		1.8	96.4	1.8		0	71.4	28.6		
PHF	.250	.917	.000	.944	.000	.250	.500	.417	.250	.946	.250	.917	.000	.625	.500	.583	.938

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City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main AM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 2



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City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main AM
Site Code : 05119658
Start Date : 9/28/2019

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	07:00 AM				07:00 AM				07:00 AM				07:00 AM				
+0 mins.	**2**	15	0	17	0	0	1	1	0	13	0	13	0	1	**1**	2	
+15 mins.	0	15	0	15	0	**1**	**2**	**3**	**1**	12	0	13	0	0	0	0	
+30 mins.	0	**18**	0	**18**	0	0	1	1	0	**14**	0	14	0	**2**	0	2	
+45 mins.	0	18	0	18	0	0	0	0	0	14	**1**	**15**	0	2	1	**3**	
Total Volume	2	66	0	68	0	1	4	5	1	53	1	55	0	5	2	7	
% App. Total	2.9	97.1	0		0	20	80		1.8	96.4	1.8		0	71.4	28.6		
PHF	.250	.917	.000	.944	.000	.250	.500	.417	.250	.946	.250	.917	.000	.625	.500	.583	

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City of Hesperia
N/S: US-395
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File Name : 08_HES_US-395_Main PM
Site Code : 05119658
Start Date : 9/28/2019
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Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

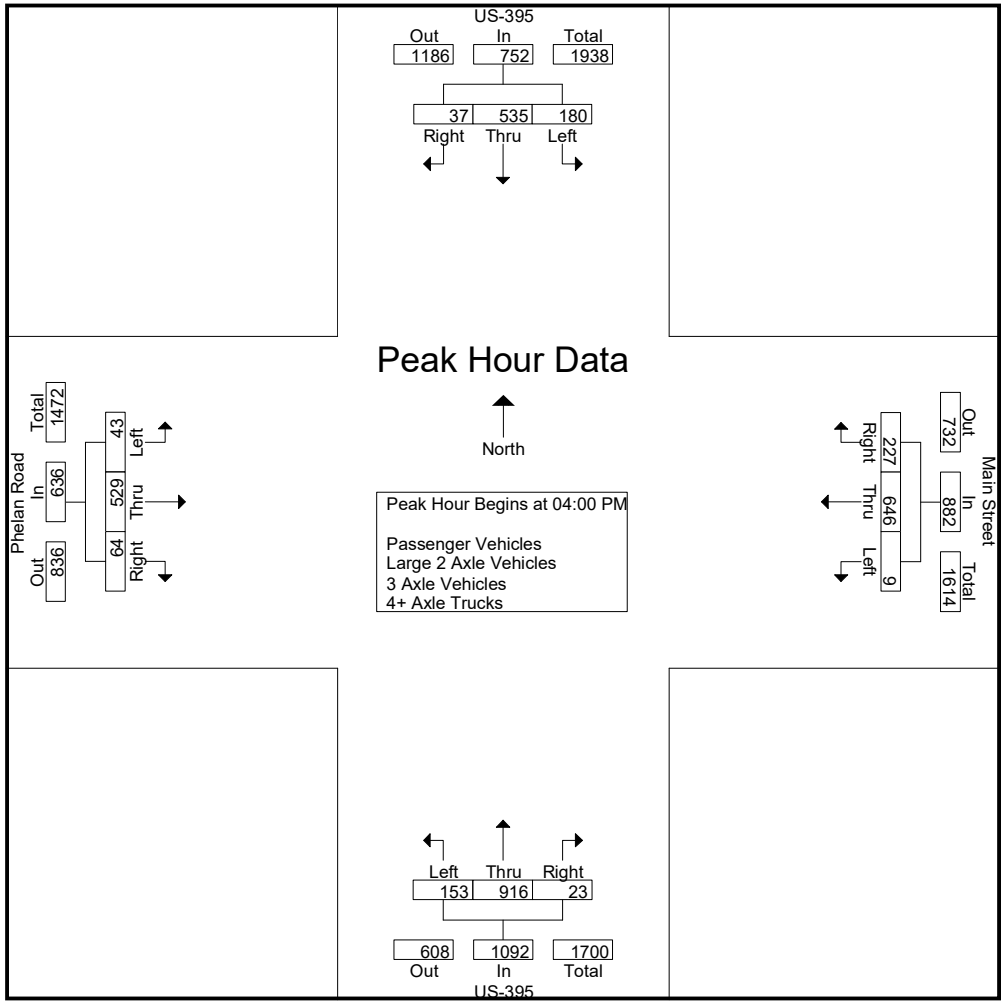
	US-395 Southbound					Main Street Westbound					US-395 Northbound					Phelan Road Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
04:00 PM	47	144	11	5	202	1	164	52	19	217	31	209	10	2	250	8	137	22	11	167	37	836	873
04:15 PM	46	132	9	4	187	3	180	68	25	251	47	230	6	0	283	9	140	12	5	161	34	882	916
04:30 PM	42	142	6	1	190	1	144	57	16	202	38	225	2	2	265	15	138	19	8	172	27	829	856
04:45 PM	45	117	11	4	173	4	158	50	20	212	37	252	5	3	294	11	114	11	3	136	30	815	845
Total	180	535	37	14	752	9	646	227	80	882	153	916	23	7	1092	43	529	64	27	636	128	3362	3490
05:00 PM	43	145	9	0	197	3	176	54	20	233	24	204	6	2	234	7	139	12	3	158	25	822	847
05:15 PM	49	126	9	2	184	0	128	60	25	188	39	229	7	0	275	16	152	21	9	189	36	836	872
05:30 PM	36	135	6	5	177	3	170	66	15	239	45	245	7	0	297	14	134	21	7	169	27	882	909
05:45 PM	39	134	4	2	177	3	137	54	16	194	28	259	8	3	295	6	104	26	13	136	34	802	836
Total	167	540	28	9	735	9	611	234	76	854	136	937	28	5	1101	43	529	80	32	652	122	3342	3464
Grand Total	347	1075	65	23	1487	18	1257	461	156	1736	289	1853	51	12	2193	86	1058	144	59	1288	250	6704	6954
Apprch %	23.3	72.3	4.4			1	72.4	26.6			13.2	84.5	2.3			6.7	82.1	11.2					
Total %	5.2	16	1		22.2	0.3	18.8	6.9		25.9	4.3	27.6	0.8		32.7	1.3	15.8	2.1		19.2	3.6	96.4	
Passenger Vehicles	338	922	59		1342	18	1241	449		1861	275	1744	47		2077	84	1026	139		1306	0	0	6586
% Passenger Vehicles	97.4	85.8	90.8	100	88.9	100	98.7	97.4	98.1	98.4	95.2	94.1	92.2	91.7	94.2	97.7	97	96.5	96.6	97	0	0	94.7
Large 2 Axle Vehicles	4	19	2		25	0	9	7		16	9	18	1		28	2	25	1		28	0	0	97
% Large 2 Axle Vehicles	1.2	1.8	3.1	0	1.7	0	0.7	1.5	0	0.8	3.1	1	2	0	1.3	2.3	2.4	0.7	0	2.1	0	0	1.4
3 Axle Vehicles	0	6	0		6	0	2	0		2	0	11	0		11	0	0	3		5	0	0	24
% 3 Axle Vehicles	0	0.6	0	0	0.4	0	0.2	0	0	0.1	0	0.6	0	0	0.5	0	0	2.1	3.4	0.4	0	0	0.3
4+ Axle Trucks	5	128	4		137	0	5	5		13	5	80	3		89	0	7	1		8	0	0	247
% 4+ Axle Trucks	1.4	11.9	6.2	0	9.1	0	0.4	1.1	1.9	0.7	1.7	4.3	5.9	8.3	4	0	0.7	0.7	0	0.6	0	0	3.6

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	**47**	**144**	**11**	**202**	1	164	52	217	31	209	**10**	250	8	137	**22**	167	836
04:15 PM	46	132	9	187	3	**180**	**68**	**251**	**47**	230	6	283	9	**140**	12	161	**882**
04:30 PM	42	142	6	190	1	144	57	202	38	225	2	265	**15**	138	19	**172**	829
04:45 PM	45	117	11	173	**4**	158	50	212	37	**252**	5	**294**	11	114	11	136	815
Total Volume	180	535	37	752	9	646	227	882	153	916	23	1092	43	529	64	636	3362
% App. Total	23.9	71.1	4.9		1	73.2	25.7		14	83.9	2.1		6.8	83.2	10.1		
PHF	.957	.929	.841	.931	.563	.897	.835	.878	.814	.909	.575	.929	.717	.945	.727	.924	.953

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City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 2



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File Name : 08_HES_US-395_Main PM
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	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	04:00 PM				04:15 PM				05:00 PM				04:30 PM				
+0 mins.	**47**	**144**	**11**	**202**	3	**180**	**68**	**251**	24	204	6	234	15	138	19	172	
+15 mins.	46	132	9	187	1	144	57	202	39	229	7	275	11	114	11	136	
+30 mins.	42	142	6	190	**4**	158	50	212	**45**	245	7	**297**	7	139	12	158	
+45 mins.	45	117	11	173	3	176	54	233	28	**259**	**8**	295	**16**	**152**	**21**	**189**	
Total Volume	180	535	37	752	11	658	229	898	136	937	28	1101	49	543	63	655	
% App. Total	23.9	71.1	4.9		1.2	73.3	25.5		12.4	85.1	2.5		7.5	82.9	9.6		
PHF	.957	.929	.841	.931	.688	.914	.842	.894	.756	.904	.875	.927	.766	.893	.750	.866	

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File Name : 08_HES_US-395_Main PM
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Groups Printed- Passenger Vehicles

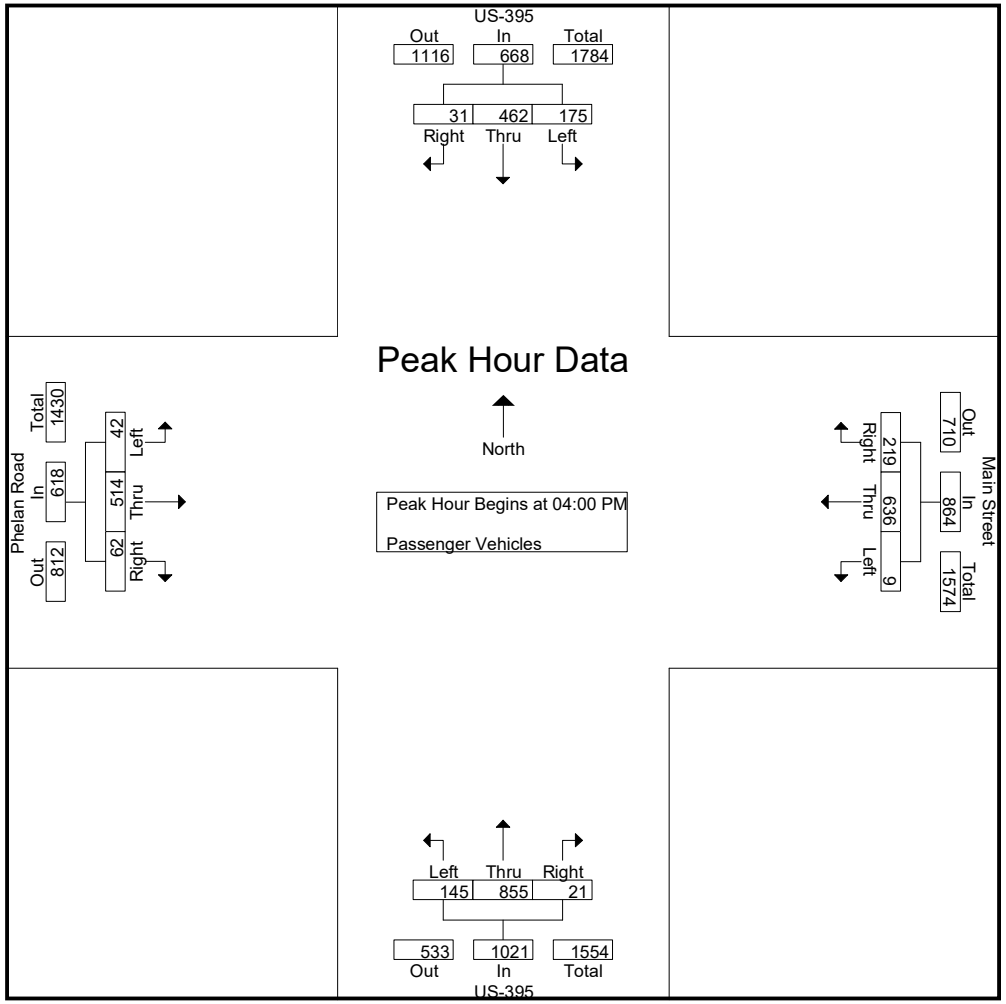
	US-395 Southbound					Main Street Westbound					US-395 Northbound					Phelan Road Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
04:00 PM	44	124	9	5	177	1	161	50	18	212	29	194	9	2	232	8	136	22	11	166	36	787	823
04:15 PM	45	116	7	4	168	3	177	65	25	245	46	209	5	0	260	9	139	12	5	160	34	833	867
04:30 PM	41	124	4	1	169	1	142	55	16	198	36	208	2	2	246	14	130	17	8	161	27	774	801
04:45 PM	45	98	11	4	154	4	156	49	19	209	34	244	5	3	283	11	109	11	3	131	29	777	806
Total	175	462	31	14	668	9	636	219	78	864	145	855	21	7	1021	42	514	62	27	618	126	3171	3297
05:00 PM	42	122	9	0	173	3	172	53	20	228	24	193	6	2	223	7	134	12	3	153	25	777	802
05:15 PM	48	107	9	2	164	0	126	59	24	185	39	220	7	0	266	16	148	20	9	184	35	799	834
05:30 PM	35	115	6	5	156	3	170	66	15	239	44	225	7	0	276	13	130	20	6	163	26	834	860
05:45 PM	38	116	4	2	158	3	137	52	16	192	23	251	6	2	280	6	100	25	12	131	32	761	793
Total	163	460	28	9	651	9	605	230	75	844	130	889	26	4	1045	42	512	77	30	631	118	3171	3289
Grand Total	338	922	59	23	1319	18	1241	449	153	1708	275	1744	47	11	2066	84	1026	139	57	1249	244	6342	6586
Apprch %	25.6	69.9	4.5			1.1	72.7	26.3			13.3	84.4	2.3			6.7	82.1	11.1					
Total %	5.3	14.5	0.9		20.8	0.3	19.6	7.1		26.9	4.3	27.5	0.7		32.6	1.3	16.2	2.2		19.7	3.7	96.3	

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	44	**124**	9	**177**	1	161	50	212	29	194	**9**	232	8	136	**22**	**166**	787
04:15 PM	**45**	116	7	168	3	**177**	**65**	**245**	**46**	209	5	260	9	**139**	12	160	**833**
04:30 PM	41	124	4	169	1	142	55	198	36	208	2	246	**14**	130	17	161	774
04:45 PM	45	98	**11**	154	**4**	156	49	209	34	**244**	5	**283**	11	109	11	131	777
Total Volume	175	462	31	668	9	636	219	864	145	855	21	1021	42	514	62	618	3171
% App. Total	26.2	69.2	4.6		1	73.6	25.3		14.2	83.7	2.1		6.8	83.2	10		
PHF	.972	.931	.705	.944	.563	.898	.842	.882	.788	.876	.583	.902	.750	.924	.705	.931	.952

Counts Unlimited
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 2



Counts Unlimited
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main PM
Site Code : 05119658
Start Date : 9/28/2019

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	04:00 PM				04:00 PM				04:00 PM				04:00 PM				
+0 mins.	44	**124**	9	**177**	1	161	50	212	29	194	**9**	232	8	136	**22**	**166**	
+15 mins.	**45**	116	7	168	3	**177**	**65**	**245**	**46**	209	5	260	9	**139**	12	160	
+30 mins.	41	124	4	169	1	142	55	198	36	208	2	246	**14**	130	17	161	
+45 mins.	45	98	**11**	154	**4**	156	49	209	34	**244**	5	**283**	11	109	11	131	
Total Volume	175	462	31	668	9	636	219	864	145	855	21	1021	42	514	62	618	
% App. Total	26.2	69.2	4.6		1	73.6	25.3		14.2	83.7	2.1		6.8	83.2	10		
PHF	.972	.931	.705	.944	.563	.898	.842	.882	.788	.876	.583	.902	.750	.924	.705	.931	

Counts Unlimited
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City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 1

Groups Printed- Large 2 Axle Vehicles

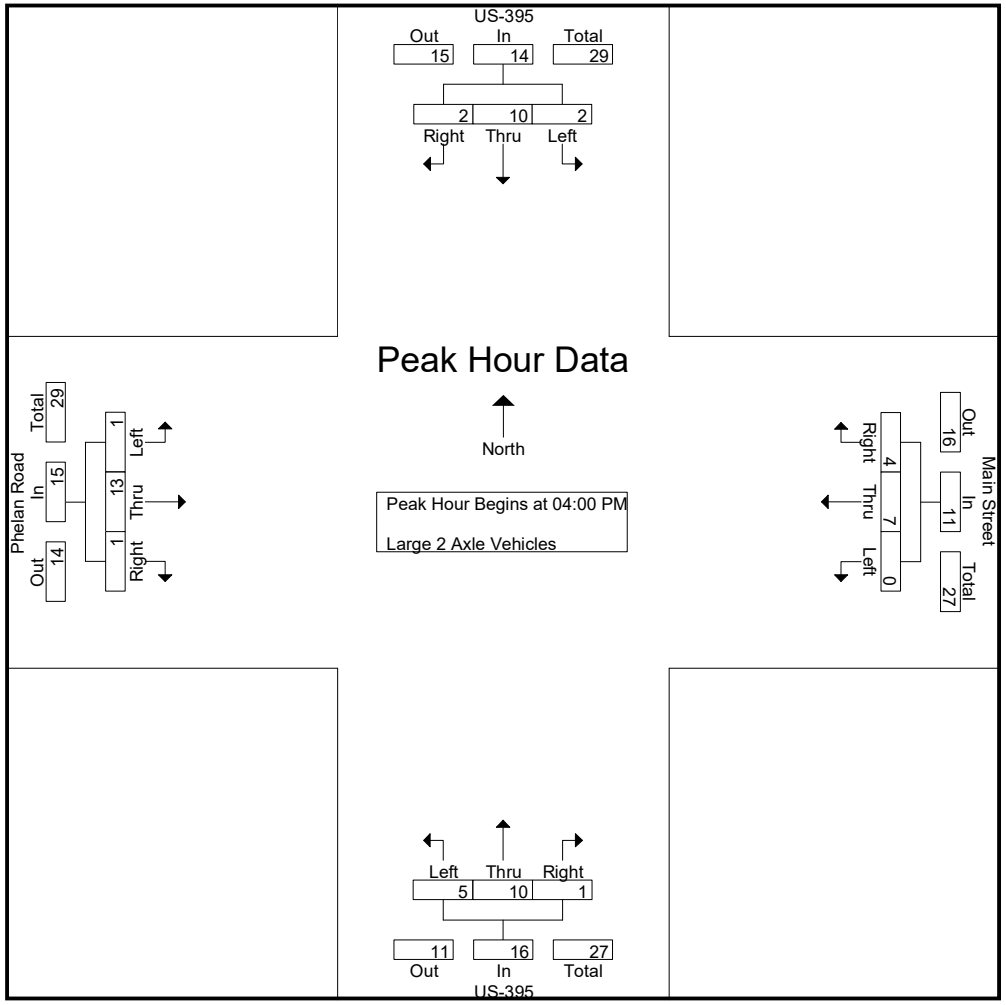
	US-395 Southbound					Main Street Westbound					US-395 Northbound					Phelan Road Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
04:00 PM	0	3	1	0	4	0	2	1	0	3	1	3	1	0	5	0	1	0	0	1	0	13	13
04:15 PM	1	2	0	0	3	0	2	2	0	4	1	4	0	0	5	0	1	0	0	1	0	13	13
04:30 PM	1	0	1	0	2	0	2	1	0	3	2	2	0	0	4	1	6	1	0	8	0	17	17
04:45 PM	0	5	0	0	5	0	1	0	0	1	1	1	0	0	2	0	5	0	0	5	0	13	13
Total	2	10	2	0	14	0	7	4	0	11	5	10	1	0	16	1	13	1	0	15	0	56	56
05:00 PM	0	4	0	0	4	0	2	1	0	3	0	2	0	0	2	0	5	0	0	5	0	14	14
05:15 PM	1	0	0	0	1	0	0	0	0	0	0	2	0	0	2	0	2	0	0	2	0	5	5
05:30 PM	1	3	0	0	4	0	0	0	0	0	1	4	0	0	5	1	4	0	0	5	0	14	14
05:45 PM	0	2	0	0	2	0	0	2	0	2	3	0	0	0	3	0	1	0	0	1	0	8	8
Total	2	9	0	0	11	0	2	3	0	5	4	8	0	0	12	1	12	0	0	13	0	41	41
Grand Total	4	19	2	0	25	0	9	7	0	16	9	18	1	0	28	2	25	1	0	28	0	97	97
Apprch %	16	76	8			0	56.2	43.8			32.1	64.3	3.6			7.1	89.3	3.6					
Total %	4.1	19.6	2.1		25.8	0	9.3	7.2		16.5	9.3	18.6	1		28.9	2.1	25.8	1		28.9	0	100	

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	3	**1**	4	0	**2**	1	3	1	3	**1**	**5**	0	1	0	1	13
04:15 PM	**1**	2	0	3	0	2	**2**	**4**	1	**4**	0	5	0	1	0	1	13
04:30 PM	1	0	1	2	0	2	1	3	**2**	2	0	4	**1**	**6**	**1**	**8**	**17**
04:45 PM	0	**5**	0	**5**	0	1	0	1	1	1	0	2	0	5	0	5	13
Total Volume	2	10	2	14	0	7	4	11	5	10	1	16	1	13	1	15	56
% App. Total	14.3	71.4	14.3		0	63.6	36.4		31.2	62.5	6.2		6.7	86.7	6.7		
PHF	.500	.500	.500	.700	.000	.875	.500	.688	.625	.625	.250	.800	.250	.542	.250	.469	.824

Counts Unlimited
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 2



Counts Unlimited
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(951) 268-6268

City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main PM
Site Code : 05119658
Start Date : 9/28/2019

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	04:00 PM				04:00 PM				04:00 PM				04:00 PM				
+0 mins.	0	3	**1**	4	0	**2**	1	3	1	3	**1**	**5**	0	1	0	1	
+15 mins.	**1**	2	0	3	0	2	**2**	**4**	1	**4**	0	5	0	1	0	1	
+30 mins.	1	0	1	2	0	2	1	3	**2**	2	0	4	**1**	**6**	**1**	**8**	
+45 mins.	0	**5**	0	**5**	0	1	0	1	1	1	0	2	0	5	0	5	
Total Volume	2	10	2	14	0	7	4	11	5	10	1	16	1	13	1	15	
% App. Total	14.3	71.4	14.3		0	63.6	36.4		31.2	62.5	6.2		6.7	86.7	6.7		
PHF	.500	.500	.500	.700	.000	.875	.500	.688	.625	.625	.250	.800	.250	.542	.250	.469	

Counts Unlimited
PO Box 1178
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City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main PM
Site Code : 05119658
Start Date : 9/28/2019

Groups Printed- 3 Axle Vehicles

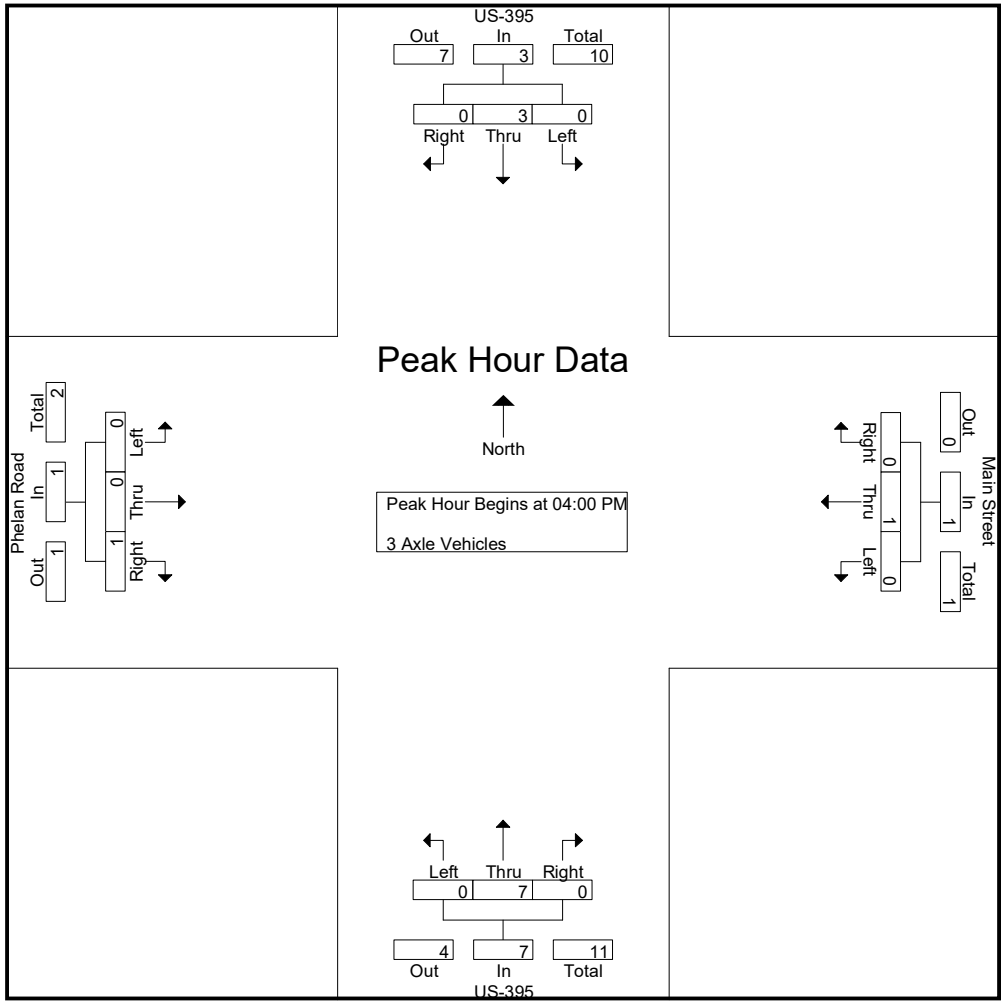
	US-395 Southbound					Main Street Westbound					US-395 Northbound					Phelan Road Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
04:00 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3	3
04:15 PM	0	0	0	0	0	0	1	0	0	1	0	4	0	0	4	0	0	0	0	0	0	5	5
04:30 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	3	3
04:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Total	0	3	0	0	3	0	1	0	0	1	0	7	0	0	7	0	0	1	0	1	0	12	12
05:00 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
05:15 PM	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	2	2
05:30 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	1	1	1	1	4	5
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	1	1	2	3
Total	0	3	0	0	3	0	1	0	0	1	0	4	0	0	4	0	0	2	2	2	2	10	12
Grand Total	0	6	0	0	6	0	2	0	0	2	0	11	0	0	11	0	0	3	2	3	2	22	24
Apprch %	0	100	0			0	100	0			0	100	0			0	0	100					
Total %	0	27.3	0		27.3	0	9.1	0		9.1	0	50	0		50	0	0	13.6		13.6	8.3	91.7	

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	**1**	0	**1**	0	0	0	0	0	2	0	2	0	0	0	0	3
04:15 PM	0	0	0	0	0	**1**	0	**1**	0	**4**	0	**4**	0	0	0	0	**5**
04:30 PM	0	1	0	1	0	0	0	0	0	1	0	1	0	0	**1**	**1**	3
04:45 PM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	3	0	3	0	1	0	1	0	7	0	7	0	0	1	1	12
% App. Total	0	100	0		0	100	0		0	100	0		0	0	100		
PHF	.000	.750	.000	.750	.000	.250	.000	.250	.000	.438	.000	.438	.000	.000	.250	.250	.600

Counts Unlimited
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 2



Counts Unlimited
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(951) 268-6268

City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main PM
Site Code : 05119658
Start Date : 9/28/2019

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	04:00 PM				04:00 PM				04:00 PM				04:00 PM				
+0 mins.	0	**1**	0	**1**	0	0	0	0	0	2	0	2	0	0	0	0	
+15 mins.	0	0	0	0	0	**1**	0	**1**	0	**4**	0	**4**	0	0	0	0	
+30 mins.	0	1	0	1	0	0	0	0	0	1	0	1	0	0	**1**	**1**	
+45 mins.	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
Total Volume	0	3	0	3	0	1	0	1	0	7	0	7	0	0	1	1	
% App. Total	0	100	0		0	100	0		0	100	0		0	0	100		
PHF	.000	.750	.000	.750	.000	.250	.000	.250	.000	.438	.000	.438	.000	.000	.250	.250	

Counts Unlimited
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City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 1

Groups Printed- 4+ Axle Trucks

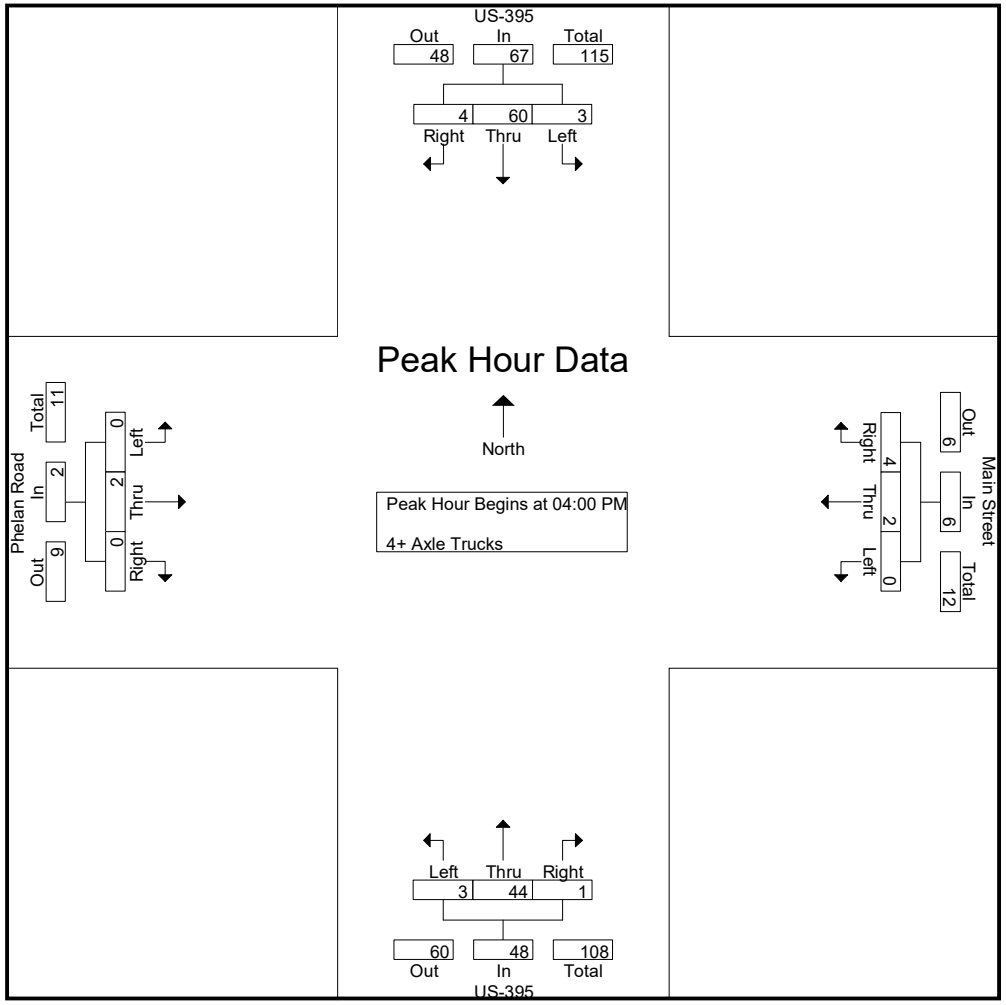
	US-395 Southbound					Main Street Westbound					US-395 Northbound					Phelan Road Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
04:00 PM	3	16	1	0	20	0	1	1	1	2	1	10	0	0	11	0	0	0	0	0	1	33	34
04:15 PM	0	14	2	0	16	0	0	1	0	1	0	13	1	0	14	0	0	0	0	0	0	31	31
04:30 PM	0	17	1	0	18	0	0	1	0	1	0	14	0	0	14	0	2	0	0	2	0	35	35
04:45 PM	0	13	0	0	13	0	1	1	1	2	2	7	0	0	9	0	0	0	0	0	1	24	25
Total	3	60	4	0	67	0	2	4	2	6	3	44	1	0	48	0	2	0	0	2	2	123	125
05:00 PM	1	17	0	0	18	0	2	0	0	2	0	9	0	0	9	0	0	0	0	0	0	29	29
05:15 PM	0	19	0	0	19	0	1	1	1	2	0	6	0	0	6	0	2	1	0	3	1	30	31
05:30 PM	0	16	0	0	16	0	0	0	0	0	0	14	0	0	14	0	0	0	0	0	0	30	30
05:45 PM	1	16	0	0	17	0	0	0	0	0	2	7	2	1	11	0	3	0	0	3	1	31	32
Total	2	68	0	0	70	0	3	1	1	4	2	36	2	1	40	0	5	1	0	6	2	120	122
Grand Total	5	128	4	0	137	0	5	5	3	10	5	80	3	1	88	0	7	1	0	8	4	243	247
Apprch %	3.6	93.4	2.9			0	50	50			5.7	90.9	3.4			0	87.5	12.5					
Total %	2.1	52.7	1.6		56.4	0	2.1	2.1		4.1	2.1	32.9	1.2		36.2	0	2.9	0.4		3.3	1.6	98.4	

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	**3**	16	1	**20**	0	**1**	**1**	**2**	1	10	0	11	0	0	0	0	33
04:15 PM	0	14	**2**	16	0	0	1	1	0	13	**1**	**14**	0	0	0	0	31
04:30 PM	0	**17**	1	18	0	0	1	1	0	**14**	0	14	0	**2**	0	**2**	**35**
04:45 PM	0	13	0	13	0	1	1	2	**2**	7	0	9	0	0	0	0	24
Total Volume	3	60	4	67	0	2	4	6	3	44	1	48	0	2	0	2	123
% App. Total	4.5	89.6	6		0	33.3	66.7		6.2	91.7	2.1		0	100	0		
PHF	.250	.882	.500	.838	.000	.500	1.00	.750	.375	.786	.250	.857	.000	.250	.000	.250	.879

Counts Unlimited
PO Box 1178
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(951) 268-6268

City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 2



Counts Unlimited
PO Box 1178
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(951) 268-6268

City of Hesperia
N/S: US-395
E/W: Phelan Road/Main Street
Weather: Clear

File Name : 08_HES_US-395_Main PM
Site Code : 05119658
Start Date : 9/28/2019

	US-395 Southbound				Main Street Westbound				US-395 Northbound				Phelan Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	04:00 PM				04:00 PM				04:00 PM				04:00 PM				
+0 mins.	**3**	16	1	**20**	0	**1**	**1**	**2**	1	10	0	11	0	0	0	0	
+15 mins.	0	14	**2**	16	0	0	1	1	0	13	**1**	**14**	0	0	0	0	
+30 mins.	0	**17**	1	18	0	0	1	1	0	**14**	0	14	0	**2**	0	**2**	
+45 mins.	0	13	0	13	0	1	1	2	**2**	7	0	9	0	0	0	0	
Total Volume	3	60	4	67	0	2	4	6	3	44	1	48	0	2	0	2	
% App. Total	4.5	89.6	6		0	33.3	66.7		6.2	91.7	2.1		0	100	0		
PHF	.250	.882	.500	.838	.000	.500	1.000	.750	.375	.786	.250	.857	.000	.250	.000	.250	

Location: Hesperia
N/S: US-395
E/W: Phelan Road/Main Street

Date: 9/28/2019
Day: Saturday

PEDESTRIANS

	North Leg US-395	East Leg Phelan Road/Main Street	South Leg US-395	West Leg Phelan Road/Main Street	
	Pedestrians	Pedestrians	Pedestrians	Pedestrians	
7:00 AM	0	0	0	0	0
7:15 AM	0	0	0	0	0
7:30 AM	0	0	0	0	0
7:45 AM	0	0	0	0	0
8:00 AM	0	0	0	0	0
8:15 AM	0	0	0	0	0
8:30 AM	0	0	0	0	0
8:45 AM	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0

	North Leg US-395	East Leg Phelan Road/Main Street	South Leg US-395	West Leg Phelan Road/Main Street	
	Pedestrians	Pedestrians	Pedestrians	Pedestrians	
4:00 PM	0	0	0	0	0
4:15 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0
4:45 PM	0	0	0	0	0
5:00 PM	0	1	0	0	1
5:15 PM	0	0	0	0	0
5:30 PM	0	0	0	0	0
5:45 PM	0	0	0	0	0
TOTAL VOLUMES:	0	1	0	0	1

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
951-268-6268

Location: Hesperia
N/S: US-395
E/W: Phelan Road/Main Street

Date: 9/28/2019
Day: Saturday

BICYCLES

	Southbound US-395			Westbound Phelan Road/Main Street			Northbound US-395			Eastbound Phelan Road/Main Street			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

	Southbound US-395			Westbound Phelan Road/Main Street			Northbound US-395			Eastbound Phelan Road/Main Street			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	1	1	2

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
951-268-6268

INTERSECTION TURNING MOVEMENT COUNTS

T1218

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
Tue, Jan 7, 20	NORTH & SOUTH:	SR-395	LOCATION #:	14
	EAST & WEST:	Poplar	CONTROL:	STOP W

NOTES:

AM PM MD OTHER OTHER — ▲ N ◄ W E ► S ▼

Add U-Turns to Left Turns

		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Poplar			WESTBOUND Poplar			
	LANES:	NL X	NT 2	NR 0	SL 1	ST 1	SR X	EL X	ET X	ER X	WL 1	WT X	WR 1	TOTAL
AM	7:00 AM	0	142	3	7	245	0	0	0	0	0	0	1	398
	7:15 AM	0	166	4	3	231	0	0	0	0	1	0	1	406
	7:30 AM	0	174	3	2	195	0	0	0	0	0	0	3	377
	7:45 AM	0	136	0	10	180	0	0	0	0	1	0	3	330
	8:00 AM	0	94	3	5	207	0	0	0	0	1	0	2	312
	8:15 AM	0	104	6	14	228	0	0	0	0	1	0	7	360
	8:30 AM	0	126	2	6	172	0	0	0	0	0	0	2	308
	8:45 AM	0	110	6	6	165	0	0	0	0	2	0	4	293
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	1,052	27	53	1,623	0	0	0	0	6	0	23	2,784
	APPROACH %	0%	97%	3%	3%	97%	0%	0%	0%	0%	21%	0%	79%	
	APP/DEPART	1,079	/	1,075	1,676	/	1,629	0	/	80	29	/	0	0
	BEGIN PEAK HR		7:00 AM											
	VOLUMES	0	618	10	22	851	0	0	0	0	2	0	8	1,511
	APPROACH %	0%	98%	2%	3%	97%	0%	0%	0%	0%	20%	0%	80%	
	PEAK HR FACTOR		0.887			0.866			0.000			0.625		0.930
	APP/DEPART	628	/	626	873	/	853	0	/	32	10	/	0	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	261	7	1	163	0	0	0	0	2	0	6	440
	4:15 PM	0	243	7	3	191	0	0	0	0	1	0	3	448
	4:30 PM	0	250	4	1	172	0	0	0	0	1	0	4	432
	4:45 PM	0	273	7	1	144	0	0	0	0	1	0	6	432
	5:00 PM	0	250	8	3	143	0	0	0	0	3	0	11	418
	5:15 PM	0	255	7	3	163	0	0	0	0	1	0	1	430
	5:30 PM	0	256	6	1	132	0	0	0	0	0	0	6	401
	5:45 PM	0	284	7	2	161	0	0	0	0	0	0	3	457
	VOLUMES	0	2,072	53	15	1,269	0	0	0	0	9	0	40	3,458
	APPROACH %	0%	98%	2%	1%	99%	0%	0%	0%	0%	18%	0%	82%	
	APP/DEPART	2,125	/	2,112	1,284	/	1,278	0	/	68	49	/	0	0
	BEGIN PEAK HR		4:00 PM											
	VOLUMES	0	1,027	25	6	670	0	0	0	0	5	0	19	1,752
	APPROACH %	0%	98%	2%	1%	99%	0%	0%	0%	0%	21%	0%	79%	
	PEAK HR FACTOR		0.939			0.871			0.000			0.750		0.978
	APP/DEPART	1,052	/	1,046	676	/	675	0	/	31	24	/	0	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR

NRR X	SRR X	ERR X	WRR X
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

SR-395

NORTH SIDE

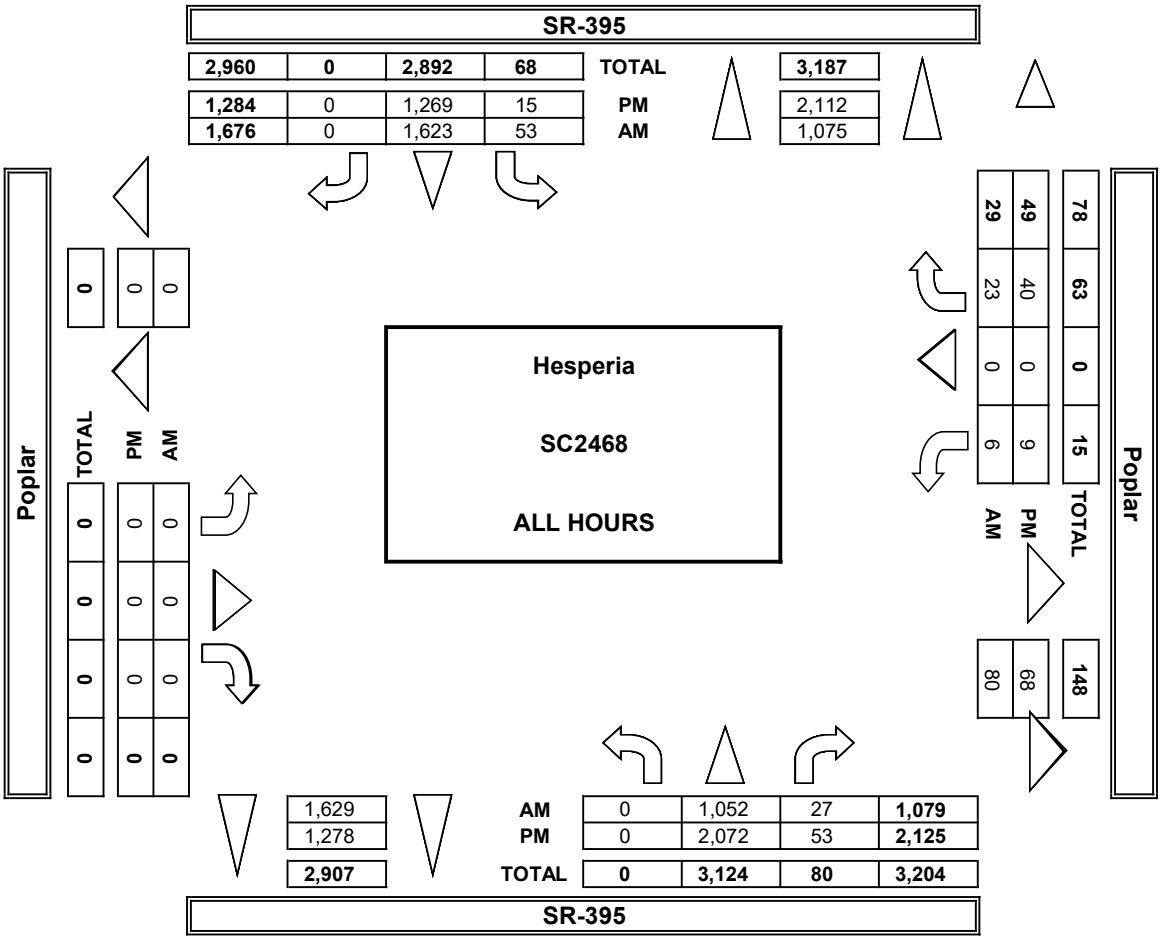
Poplar WEST SIDE EAST SIDE **Poplar**

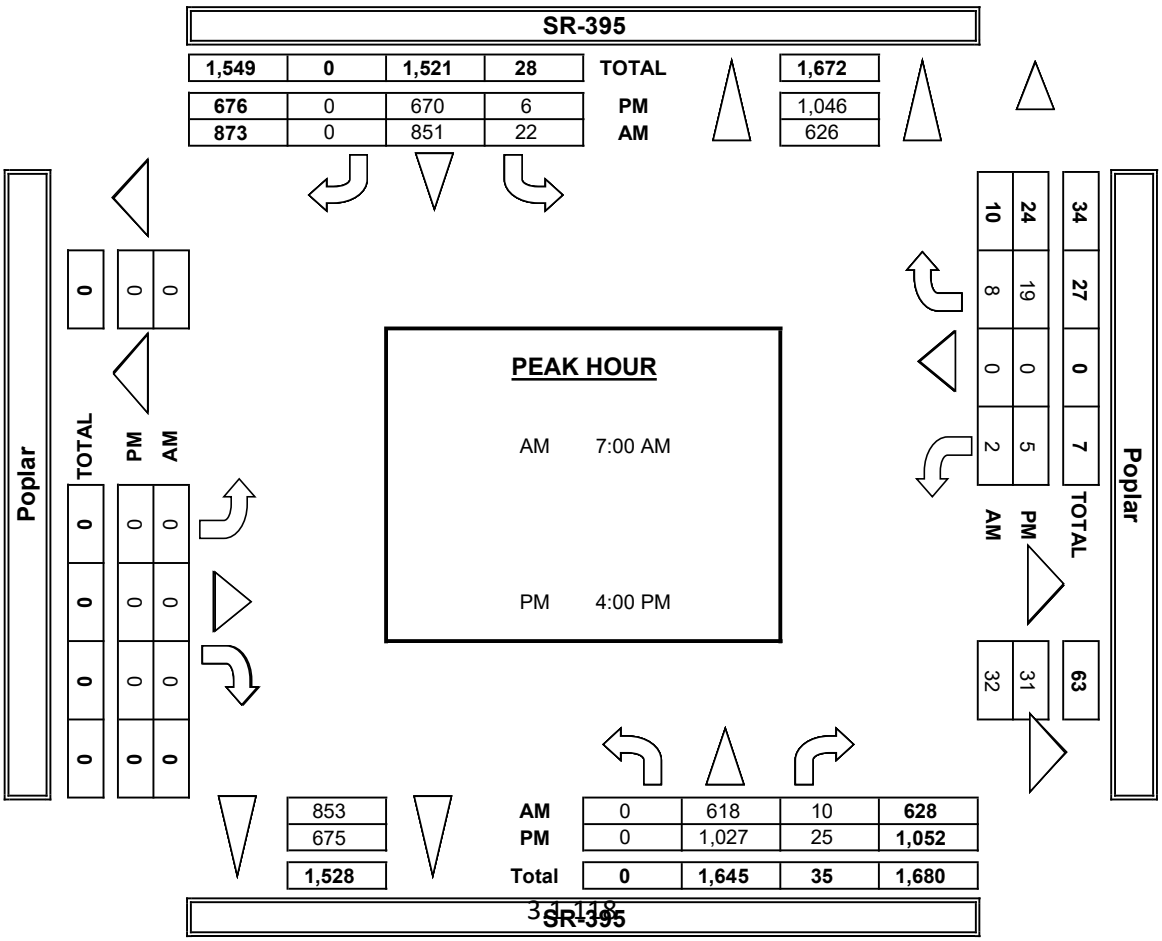
SOUTH SIDE

SR-395

		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		E SIDE	W SIDE	S SIDE	N SIDE	TOTAL	E SIDE	W SIDE	S SIDE	N SIDE	TOTAL	ES	WS	SS	NS	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AimTD LLC
TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	14
TUESDAY	EAST & WEST:	Poplar	CONTROL:	STOP W

CLASS 1: PASSENGER VEHICLES

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

	NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Poplar			WESTBOUND Poplar			
LANES:	NL X	NT 2	NR 0	SL 1	ST 1	SR X	EL X	ET X	ER X	WL 1	WT X	WR 1	TOTAL
7:00 AM	0	113	2	7	223	0	0	0	0	0	0	1	346
7:15 AM	0	129	3	3	205	0	0	0	0	0	0	1	341
7:30 AM	0	143	3	2	166	0	0	0	0	0	0	2	316
7:45 AM	0	101	0	7	149	0	0	0	0	0	0	3	260
8:00 AM	0	66	3	5	175	0	0	0	0	1	0	2	252
8:15 AM	0	82	4	12	204	0	0	0	0	1	0	3	306
8:30 AM	0	93	2	6	147	0	0	0	0	0	0	2	250
8:45 AM	0	74	5	4	142	0	0	0	0	2	0	0	227
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	801	22	46	1,411	0	0	0	0	4	0	14	2,298
APPROACH %	0%	97%	3%	3%	97%	0%	0%	0%	0%	22%	0%	78%	
APP/DEPART	823	/	815	1,457	/	1,415	0	/	68	18	/	0	0
BEGIN PEAK HR		7:00 AM											
VOLUMES	0	486	8	19	743	0	0	0	0	0	0	7	1,263
APPROACH %	0%	98%	2%	2%	98%	0%	0%	0%	0%	0%	0%	100%	
PEAK HR FACTOR		0.846			0.828			0.000			0.583		0.913
APP/DEPART	494	/	493	762	/	743	0	/	27	7	/	0	0
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	226	7	1	130	0	0	0	0	1	0	5	370
4:15 PM	0	219	6	1	155	0	0	0	0	1	0	3	385
4:30 PM	0	227	4	1	147	0	0	0	0	1	0	3	383
4:45 PM	0	241	6	0	122	0	0	0	0	1	0	2	372
5:00 PM	0	227	8	3	118	0	0	0	0	3	0	9	368
5:15 PM	0	234	7	3	141	0	0	0	0	1	0	0	386
5:30 PM	0	240	5	0	108	0	0	0	0	0	0	6	359
5:45 PM	0	271	6	2	130	0	0	0	0	0	0	2	411
VOLUMES	0	1,885	49	11	1,051	0	0	0	0	8	0	30	3,034
APPROACH %	0%	97%	3%	1%	99%	0%	0%	0%	0%	21%	0%	79%	
APP/DEPART	1,934	/	1,915	1,062	/	1,059	0	/	60	38	/	0	0
BEGIN PEAK HR		5:00 PM											
VOLUMES	0	972	26	8	497	0	0	0	0	4	0	17	1,524
APPROACH %	0%	97%	3%	2%	98%	0%	0%	0%	0%	19%	0%	81%	
PEAK HR FACTOR		0.901			0.877			0.000			0.438		0.927
APP/DEPART	998	/	989	505	/	501	0	/	34	21	/	0	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR

NRR X	SRR X	ERR X	WRR X
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
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0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

	SR-395 NORTH SIDE	
Poplar WEST SIDE		EAST SIDE **Poplar**
	SOUTH SIDE **SR-395**	

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

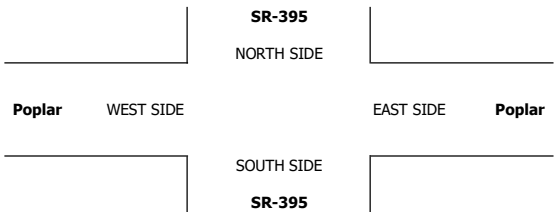
DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	14
TUESDAY	EAST & WEST:	Poplar	CONTROL:	STOP W

CLASS 2:	NOTES:
2-AXLE WORK VEHICLES/ TRUCKS	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Poplar			WESTBOUND Poplar			
	LANES:	NL X	NT 2	NR 0	SL 1	ST 1	SR X	EL X	ET X	ER X	WL 1	WT X	WR 1	TOTAL
AM	7:00 AM	0	18	0	0	11	0	0	0	0	0	0	0	29
	7:15 AM	0	17	1	0	12	0	0	0	0	1	0	0	31
	7:30 AM	0	13	0	0	11	0	0	0	0	0	0	1	25
	7:45 AM	0	17	0	2	10	0	0	0	0	0	0	0	29
	8:00 AM	0	13	0	0	12	0	0	0	0	0	0	0	25
	8:15 AM	0	8	2	1	7	0	0	0	0	0	0	1	19
	8:30 AM	0	9	0	0	5	0	0	0	0	0	0	0	14
	8:45 AM	0	15	1	0	10	0	0	0	0	0	0	1	27
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	110	4	3	78	0	0	0	0	1	0	3	199
	APPROACH %	0%	96%	4%	4%	96%	0%	0%	0%	0%	25%	0%	75%	
	APP/DEPART	114	/	113	81	/	79	0	/	7	4	/	0	0
	BEGIN PEAK HR		7:00 AM											
	VOLUMES	0	65	1	2	44	0	0	0	0	1	0	1	114
	APPROACH %	0%	98%	2%	4%	96%	0%	0%	0%	0%	50%	0%	50%	
	PEAK HR FACTOR		0.917			0.958			0.000			0.500		0.919
	APP/DEPART	66	/	66	46	/	45	0	/	3	2	/	0	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	18	0	0	9	0	0	0	0	0	0	1	28
	4:15 PM	0	12	1	0	11	0	0	0	0	0	0	0	24
	4:30 PM	0	11	0	0	6	0	0	0	0	0	0	0	17
	4:45 PM	0	14	1	1	8	0	0	0	0	0	0	4	28
	5:00 PM	0	7	0	0	7	0	0	0	0	0	0	2	16
	5:15 PM	0	7	0	0	4	0	0	0	0	0	0	0	11
	5:30 PM	0	7	1	0	3	0	0	0	0	0	0	0	11
	5:45 PM	0	6	0	0	4	0	0	0	0	0	0	0	10
	VOLUMES	0	82	3	1	52	0	0	0	0	0	0	7	145
	APPROACH %	0%	96%	4%	2%	98%	0%	0%	0%	0%	0%	0%	100%	
	APP/DEPART	85	/	89	53	/	52	0	/	4	7	/	0	0
	BEGIN PEAK HR		4:00 PM											
	VOLUMES	0	55	2	1	34	0	0	0	0	0	0	5	97
	APPROACH %	0%	96%	4%	3%	97%	0%	0%	0%	0%	0%	0%	100%	
	PEAK HR FACTOR		0.792			0.795			0.000			0.313		0.866
	APP/DEPART	57	/	60	35	/	34	0	/	3	5	/	0	0

U-TURNS					RTOR			
NB	SB	EB	WB	TTL	NRR X	SRR X	ERR X	WRR X
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
					0	0	0	0
0	0	0	0	0				
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
					0	0	0	0



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	14
TUESDAY	EAST & WEST:	Poplar	CONTROL:	STOP W

CLASS 3: 3-AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

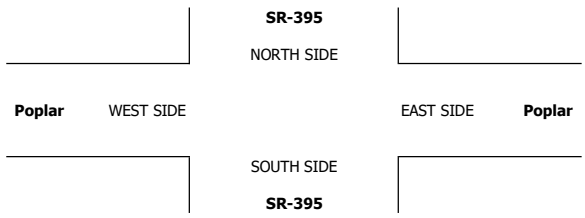
		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Poplar			WESTBOUND Poplar			
	LANES:	NL X	NT 2	NR 0	SL 1	ST 1	SR X	EL X	ET X	ER X	WL 1	WT X	WR 1	TOTAL
AM	7:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
	7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	2
	7:30 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
	7:45 AM	0	0	0	1	3	0	0	0	0	0	0	0	4
	8:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
	8:15 AM	0	1	0	0	3	0	0	0	0	0	0	0	4
	8:30 AM	0	3	0	0	5	0	0	0	0	0	0	0	8
	8:45 AM	0	0	0	1	1	0	0	0	0	0	0	0	2
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	5	0	2	16	0	0	0	0	0	0	0	23
	APPROACH %	0%	100%	0%	11%	89%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	5	/	5	18	/	16	0	/	2	0	/	0	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	0	4	0	1	12	0	0	0	0	0	0	0	17
	APPROACH %	0%	100%	0%	8%	92%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.333			0.650			0.000			0.000		0.531
	APP/DEPART	4	/	4	13	/	12	0	/	1	0	/	0	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	2	0	0	3	0	0	0	0	0	0	0	5
	4:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
	4:30 PM	0	0	0	0	2	0	0	0	0	0	0	0	2
	4:45 PM	0	2	0	0	1	0	0	0	0	0	0	0	3
	5:00 PM	0	0	0	0	3	0	0	0	0	0	0	0	3
	5:15 PM	0	3	0	0	2	0	0	0	0	0	0	0	5
	5:30 PM	0	2	0	0	4	0	0	0	0	0	0	0	6
	5:45 PM	0	1	0	0	2	0	0	0	0	0	0	0	3
	VOLUMES	0	10	0	0	18	0	0	0	0	0	0	0	28
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	10	/	10	18	/	18	0	/	0	0	/	0	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	0	7	0	0	10	0	0	0	0	0	0	0	17
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.583			0.625			0.000			0.000		0.708
	APP/DEPART	7	/	7	10	/	10	0	/	0	0	/	0	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR

NRR X	SRR X	ERR X	WRR X
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	14
TUESDAY	EAST & WEST:	Poplar	CONTROL:	STOP W

CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

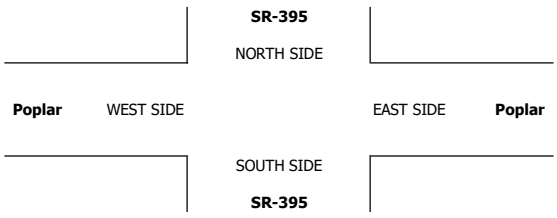
		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Poplar			WESTBOUND Poplar			
	LANES:	NL X	NT 2	NR 0	SL 1	ST 1	SR X	EL X	ET X	ER X	WL 1	WT X	WR 1	TOTAL
AM	7:00 AM	0	11	1	0	10	0	0	0	0	0	0	0	22
	7:15 AM	0	18	0	0	12	0	0	0	0	0	0	0	30
	7:30 AM	0	17	0	0	17	0	0	0	0	0	0	0	34
	7:45 AM	0	18	0	0	18	0	0	0	0	1	0	0	37
	8:00 AM	0	15	0	0	19	0	0	0	0	0	0	0	34
	8:15 AM	0	12	0	0	13	0	0	0	0	0	0	3	28
	8:30 AM	0	20	0	0	15	0	0	0	0	0	0	0	35
	8:45 AM	0	20	0	0	12	0	0	0	0	0	0	2	34
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	131	1	0	116	0	0	0	0	1	0	5	254
	APPROACH %	0%	99%	1%	0%	100%	0%	0%	0%	0%	17%	0%	83%	
	APP/DEPART	132	/	136	116	/	117	0	/	1	6	/	0	0
	BEGIN PEAK HR		7:15 AM											
	VOLUMES	0	68	0	0	66	0	0	0	0	1	0	0	135
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	
	PEAK HR FACTOR		0.944			0.868			0.000			0.250		0.912
	APP/DEPART	68	/	68	66	/	67	0	/	0	1	/	0	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	15	0	0	21	0	0	0	0	1	0	0	37
	4:15 PM	0	12	0	2	23	0	0	0	0	0	0	0	37
	4:30 PM	0	11	0	0	16	0	0	0	0	0	0	1	28
	4:45 PM	0	15	0	0	13	0	0	0	0	0	0	0	28
	5:00 PM	0	16	0	0	15	0	0	0	0	0	0	0	31
	5:15 PM	0	11	0	0	15	0	0	0	0	0	0	1	27
	5:30 PM	0	7	0	1	17	0	0	0	0	0	0	0	25
	5:45 PM	0	6	1	0	23	0	0	0	0	0	0	1	31
	VOLUMES	0	93	1	3	143	0	0	0	0	1	0	3	244
	APPROACH %	0%	99%	1%	2%	98%	0%	0%	0%	0%	25%	0%	75%	
	APP/DEPART	94	/	96	146	/	144	0	/	4	4	/	0	0
	BEGIN PEAK HR		4:00 PM											
	VOLUMES	0	53	0	2	73	0	0	0	0	1	0	1	130
	APPROACH %	0%	100%	0%	3%	97%	0%	0%	0%	0%	50%	0%	50%	
	PEAK HR FACTOR		0.883			0.750			0.000			0.500		0.878
	APP/DEPART	53	/	54	75	/	74	0	/	2	2	/	0	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
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0	0	0	0	0
0	0	0	0	0
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0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR

NRR X	SRR X	ERR X	WRR X
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
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0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
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0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	14
TUESDAY	EAST & WEST:	Poplar	CONTROL:	STOP W

CLASS 5:	NOTES:	AM		▲ N	
RV		PM			
		MD	◄ W		E ►
		OTHER		S ▼	
		OTHER			

		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Poplar			WESTBOUND Poplar			
	LANES:	NL X	NT 2	NR 0	SL 1	ST 1	SR X	EL X	ET X	ER X	WL 1	WT X	WR 1	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	1	0	0	0	0	0	0	0	0	0	0	1
	APPROACH %	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	1	/	1	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	0	1	0	0	0	0	0	0	0	0	0	0	1
	APPROACH %	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.250			0.000			0.000			0.000		0.250
	APP/DEPART	1	/	1	0	/	0	0	/	0	0	/	0	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	2	0	0	0	0	0	0	0	2
	VOLUMES	0	1	0	0	3	0	0	0	0	0	0	0	4
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	1	/	1	3	/	3	0	/	0	0	/	0	0
	BEGIN PEAK HR		5:00 PM											
	VOLUMES	0	0	0	0	3	0	0	0	0	0	0	0	3
	APPROACH %	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.375			0.000			0.000		0.375
	APP/DEPART	0	/	0	3	/	3	0	/	0	0	/	0	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR

NRR X	SRR X	ERR X	WRR X
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
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0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

SR-395

NORTH SIDE

Poplar WEST SIDE EAST SIDE **Poplar**

SOUTH SIDE

SR-395

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	14
TUESDAY	EAST & WEST:	Poplar	CONTROL:	STOP W

CLASS 6:	NOTES:
BUSES	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

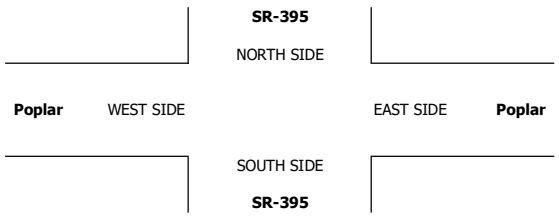
	NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Poplar			WESTBOUND Poplar			
LANES:	NL X	NT 2	NR 0	SL 1	ST 1	SR X	EL X	ET X	ER X	WL 1	WT X	WR 1	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	2
7:30 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	1	0	1	1	0	0	0	0	0	0	0	3
8:30 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
8:45 AM	0	0	0	1	0	0	0	0	0	0	0	1	2
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	4	0	2	2	0	0	0	0	0	0	1	9
APPROACH %	0%	100%	0%	50%	50%	0%	0%	0%	0%	0%	0%	100%	
APP/DEPART	4	/	5	4	/	2	0	/	2	1	/	0	0
BEGIN PEAK HR		8:00 AM											
VOLUMES	0	2	0	2	1	0	0	0	0	0	0	1	6
APPROACH %	0%	100%	0%	67%	33%	0%	0%	0%	0%	0%	0%	100%	
PEAK HR FACTOR		0.500			0.375			0.000			0.250		0.500
APP/DEPART	2	/	3	3	/	1	0	/	2	1	/	0	0
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
4:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	1	0	0	2	0	0	0	0	0	0	0	3
APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	
APP/DEPART	1	/	1	2	/	2	0	/	0	0	/	0	0
BEGIN PEAK HR		3:45 PM											
VOLUMES	0	1	0	0	2	0	0	0	0	0	0	0	3
APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	
PEAK HR FACTOR		0.250			0.500			0.000			0.000		0.375
APP/DEPART	1	/	1	2	/	2	0	/	0	0	/	0	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR

NRR X	SRR X	ERR X	WRR X
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0



INTERSECTION TURNING MOVEMENT COUNTS

T1218

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

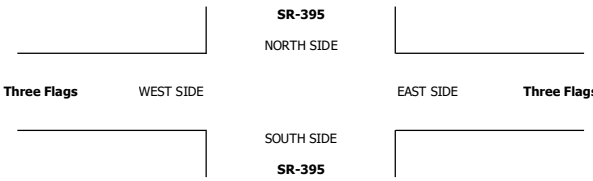
DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
Tue, Jan 7, 20	NORTH & SOUTH:	SR-395	LOCATION #:	15
	EAST & WEST:	Three Flags	CONTROL:	SIGNAL

NOTES:

AM PM MD OTHER OTHER — ▲ N ◄ W E ► S ▼

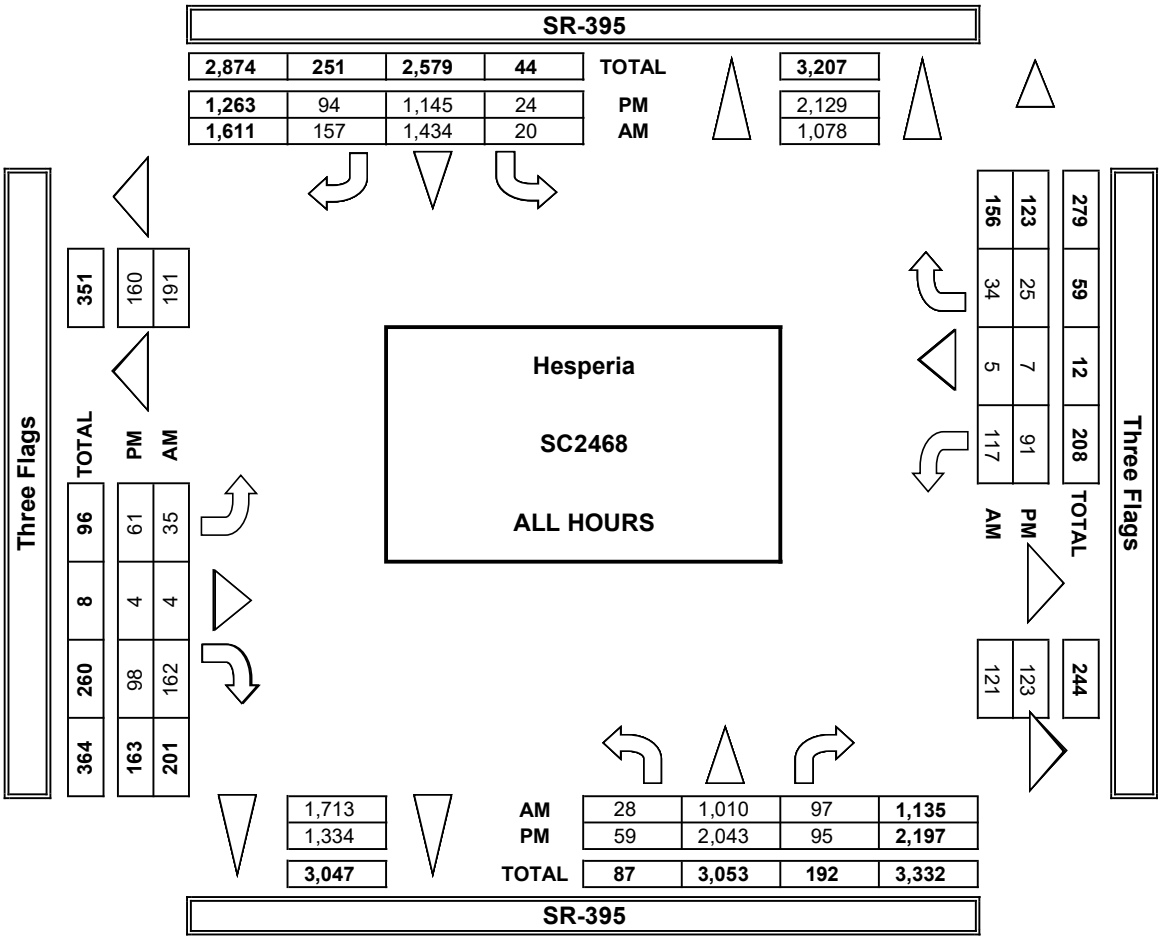
Add U-Turns to Left Turns

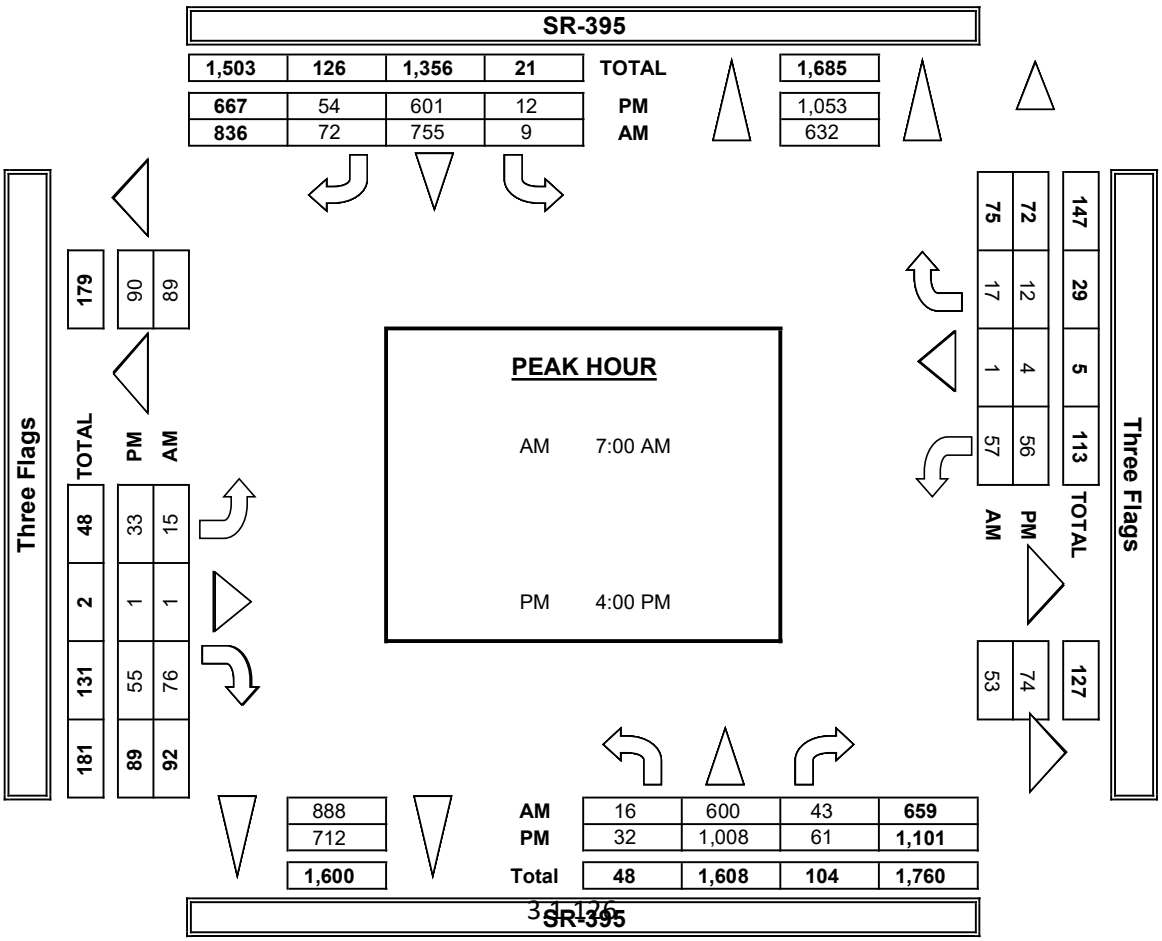
		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Three Flags			WESTBOUND Three Flags				U-TURNS					RTOR			
	LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 1	ER 0	WL 1	WT 1	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL	NRR 0	SRR 0	ERR 0	WRR 0
AM	7:00 AM	5	145	9	0	225	16	5	0	23	17	0	6	451	0	0	0	0	0	1	5	8	3
	7:15 AM	3	158	10	0	208	17	1	0	16	12	1	5	431	0	0	0	0	0	2	4	10	2
	7:30 AM	2	168	9	5	169	22	4	1	21	18	0	4	423	0	0	0	0	0	2	8	9	2
	7:45 AM	6	129	15	4	153	17	5	0	16	10	0	2	357	0	0	0	0	0	6	2	7	1
	8:00 AM	3	85	15	5	182	28	8	1	23	17	1	4	372	0	0	0	0	0	3	11	10	2
	8:15 AM	3	108	13	6	196	20	5	1	27	17	1	4	401	0	0	0	0	0	3	4	11	0
	8:30 AM	5	113	10	0	153	20	5	0	16	13	1	4	340	0	0	1	0	1	1	3	11	4
	8:45 AM	1	104	16	0	148	17	2	1	20	13	1	5	328	0	0	0	0	0	4	2	10	3
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	28	1,010	97	20	1,434	157	35	4	162	117	5	34	3,103	0	0	1	0	1	22	39	76	17
	APPROACH %	2%	89%	9%	1%	89%	10%	17%	2%	81%	75%	3%	22%										
	APP/DEPART	1,135	/	1,078	1,611	/	1,713	201	/	121	156	/	191	0									
	BEGIN PEAK HR		7:00 AM																				
	VOLUMES	16	600	43	9	755	72	15	1	76	57	1	17	1,662						11	19	34	8
	APPROACH %	2%	91%	7%	1%	90%	9%	16%	1%	83%	76%	1%	23%										
	PEAK HR FACTOR		0.920			0.867			0.821			0.815		0.921									
	APP/DEPART	659	/	632	836	/	888	92	/	53	75	/	89	0									
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	7	271	16	4	148	11	5	0	13	14	0	2	491	0	0	0	0	0	1	0	9	2
	4:15 PM	6	230	14	3	167	9	11	0	11	11	2	0	464	0	0	0	0	0	0	2	7	0
	4:30 PM	11	244	16	3	164	15	6	1	11	13	0	3	487	0	0	0	0	0	1	9	9	2
	4:45 PM	8	263	15	2	122	19	11	0	20	18	2	7	487	0	0	0	0	0	4	6	15	2
	5:00 PM	8	251	11	2	136	9	6	1	11	8	2	2	447	0	0	0	0	0	1	1	5	0
	5:15 PM	5	248	10	5	146	12	5	1	10	13	0	5	460	0	0	0	0	0	2	0	8	4
	5:30 PM	8	282	7	3	118	10	9	0	11	5	1	3	457	0	0	0	0	0	0	0	8	1
	5:45 PM	6	254	6	2	144	9	8	1	11	9	0	3	453	0	0	0	0	0	1	2	7	1
	VOLUMES	59	2,043	95	24	1,145	94	61	4	98	91	7	25	3,746	0	0	0	0	0	10	20	68	12
	APPROACH %	3%	93%	4%	2%	91%	7%	37%	2%	60%	74%	6%	20%										
	APP/DEPART	2,197	/	2,129	1,263	/	1,334	163	/	123	123	/	160	0									
	BEGIN PEAK HR		4:00 PM																				
	VOLUMES	32	1,008	61	12	601	54	33	1	55	56	4	12	1,929						6	17	40	6
	APPROACH %	3%	92%	6%	2%	90%	8%	37%	1%	62%	78%	6%	17%										
	PEAK HR FACTOR		0.936			0.916			0.718			0.667		0.982									
	APP/DEPART	1,101	/	1,053	667	/	712	89	/	74	72	/	90	0									



		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		E SIDE	W SIDE	S SIDE	N SIDE	TOTAL	E SIDE	W SIDE	S SIDE	N SIDE	TOTAL	ES	WS	SS	NS	TOTAL
AM	7:00 AM	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	1	0	0	1	2	1	0	0	1	2	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0
	8:30 AM	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	2	1	0	2	5	2	1	0	2	5	0	0	0	0	0
PM	3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0

AimTD LLC
TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	15
TUESDAY	EAST & WEST:	Three Flags	CONTROL:	SIGNAL

CLASS 1: PASSENGER VEHICLES

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Three Flags			WESTBOUND Three Flags			
	LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 1	ER 0	WL 1	WT 1	WR 0	TOTAL
AM	7:00 AM	3	121	3	0	202	16	3	0	22	1	0	0	371
	7:15 AM	1	124	2	0	178	17	1	0	14	1	0	1	339
	7:30 AM	0	149	1	3	143	20	0	1	19	0	0	2	338
	7:45 AM	4	101	6	0	125	17	2	0	15	0	0	1	271
	8:00 AM	3	66	4	2	158	24	5	0	19	0	1	0	282
	8:15 AM	3	88	5	2	175	20	4	1	25	2	1	1	327
	8:30 AM	5	86	3	0	129	18	4	0	15	2	1	1	264
	8:45 AM	1	73	2	0	128	13	2	1	17	3	1	0	241
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	20	808	26	7	1,238	145	21	3	146	9	4	6	2,433
	APPROACH %	2%	95%	3%	1%	89%	10%	12%	2%	86%	47%	21%	32%	
	APP/DEPART	854	/	834	1,390	/	1,393	170	/	36	19	/	170	0
	BEGIN PEAK HR		7:00 AM											
	VOLUMES	8	495	12	3	648	70	6	1	70	2	0	4	1,319
	APPROACH %	2%	96%	2%	0%	90%	10%	8%	1%	91%	33%	0%	67%	
	PEAK HR FACTOR		0.858			0.827			0.770			0.750		0.889
	APP/DEPART	515	/	505	721	/	720	77	/	16	6	/	78	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	6	241	5	1	120	11	4	0	11	6	0	0	405
	4:15 PM	5	204	5	0	130	9	10	0	11	1	2	0	377
	4:30 PM	11	219	3	0	141	15	6	1	11	7	0	0	414
	4:45 PM	8	242	3	0	105	16	10	0	18	3	2	0	407
	5:00 PM	7	228	2	0	111	9	6	1	11	5	1	0	381
	5:15 PM	5	225	2	0	122	12	4	0	10	4	0	2	386
	5:30 PM	8	260	1	0	96	10	8	0	11	3	0	0	397
	5:45 PM	6	237	2	0	114	9	8	1	10	1	0	1	389
	VOLUMES	56	1,856	23	1	939	91	56	3	93	30	5	3	3,156
	APPROACH %	3%	96%	1%	0%	91%	9%	37%	2%	61%	79%	13%	8%	
	APP/DEPART	1,935	/	1,915	1,031	/	1,062	152	/	27	38	/	152	0
	BEGIN PEAK HR		4:00 PM											
	VOLUMES	30	906	16	1	496	51	30	1	51	17	4	0	1,603
	APPROACH %	3%	95%	2%	0%	91%	9%	37%	1%	62%	81%	19%	0%	
	PEAK HR FACTOR		0.941			0.878			0.732			0.750		0.968
	APP/DEPART	952	/	936	548	/	564	82	/	18	21	/	85	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	1	0	1
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	1	0	1
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR

NRR	SRR	ERR	WRR
1	5	8	0
1	4	9	0
1	7	8	1
2	2	7	1
0	11	9	0
1	4	11	0
1	3	11	1
0	2	10	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
7	38	73	3
5	18	32	2
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
1	0	8	0
0	2	7	0
1	9	9	0
1	5	14	0
0	1	5	0
0	0	8	1
0	0	8	0
0	2	6	1
3	19	65	2
3	16	38	0

SR-395

NORTH SIDE

Three Flags WEST SIDE EAST SIDE **Three Flags**

SOUTH SIDE

SR-395

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	15
TUESDAY	EAST & WEST:	Three Flags	CONTROL:	SIGNAL

CLASS 2:	NOTES:
2-AXLE WORK VEHICLES/ TRUCKS	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Three Flags			WESTBOUND Three Flags			
	LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 1	ER 0	WL 1	WT 1	WR 0	TOTAL
AM	7:00 AM	1	16	0	0	12	0	2	0	0	0	0	0	31
	7:15 AM	1	21	0	0	17	0	0	0	2	0	1	0	42
	7:30 AM	2	5	1	0	9	2	3	0	1	1	0	0	24
	7:45 AM	2	13	0	0	11	0	1	0	1	0	0	0	28
	8:00 AM	0	7	0	0	7	3	3	0	3	1	0	0	24
	8:15 AM	0	6	1	0	7	0	1	0	1	0	0	0	16
	8:30 AM	0	10	1	0	5	1	0	0	0	0	0	0	17
	8:45 AM	0	13	0	0	9	2	0	0	2	1	0	1	28
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	6	91	3	0	77	8	10	0	10	3	1	1	210
	APPROACH %	6%	91%	3%	0%	91%	9%	50%	0%	50%	60%	20%	20%	
	APP/DEPART	100	/	102	85	/	90	20	/	3	5	/	15	0
	BEGIN PEAK HR		7:00 AM											
	VOLUMES	6	55	1	0	49	2	6	0	4	1	1	0	125
	APPROACH %	10%	89%	2%	0%	96%	4%	60%	0%	40%	50%	50%	0%	
	PEAK HR FACTOR		0.705			0.750			0.625			0.500		0.744
	APP/DEPART	62	/	61	51	/	54	10	/	1	2	/	9	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	1	16	0	0	8	0	1	0	2	0	0	0	28
	4:15 PM	1	14	0	0	17	0	1	0	0	0	0	0	33
	4:30 PM	0	13	0	0	3	0	0	0	0	1	0	0	17
	4:45 PM	0	10	2	0	6	2	1	0	1	1	0	2	25
	5:00 PM	0	8	1	0	10	0	0	0	0	0	0	1	20
	5:15 PM	0	13	1	0	10	0	0	0	0	0	0	0	24
	5:30 PM	0	15	0	0	3	0	1	0	0	0	0	0	19
	5:45 PM	0	12	0	0	5	0	0	0	1	1	0	0	19
	VOLUMES	2	101	4	0	62	2	4	0	4	3	0	3	185
	APPROACH %	2%	94%	4%	0%	97%	3%	50%	0%	50%	50%	0%	50%	
	APP/DEPART	107	/	108	64	/	69	8	/	4	6	/	4	0
	BEGIN PEAK HR		4:00 PM											
	VOLUMES	2	53	2	0	34	2	3	0	3	2	0	2	103
	APPROACH %	4%	93%	4%	0%	94%	6%	50%	0%	50%	50%	0%	50%	
	PEAK HR FACTOR		0.838			0.529			0.500			0.333		0.780
	APP/DEPART	57	/	58	36	/	39	6	/	2	4	/	4	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR

NRR	SRR	ERR	WRR
0	0	0	0
0	0	0	0
0	1	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	1	1	0
0	1	1	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	1	0
1	1	3	2
1	1	2	2

SR-395

NORTH SIDE

Three Flags WEST SIDE EAST SIDE **Three Flags**

SOUTH SIDE

SR-395

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	15
TUESDAY	EAST & WEST:	Three Flags	CONTROL:	SIGNAL

CLASS 3: 3-AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

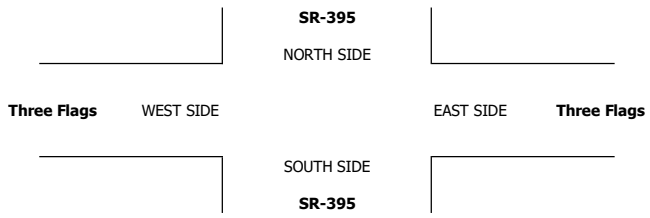
		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Three Flags			WESTBOUND Three Flags			
	LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 1	ER 0	WL 1	WT 1	WR 0	TOTAL
AM	7:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	2
	7:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
	7:30 AM	0	0	0	1	1	0	0	0	1	0	0	0	3
	7:45 AM	0	0	1	0	3	0	0	0	0	1	0	0	5
	8:00 AM	0	0	1	1	0	0	0	0	0	0	0	0	2
	8:15 AM	0	3	0	1	2	0	0	0	0	2	0	0	8
	8:30 AM	0	1	0	0	4	1	0	0	1	1	0	0	8
	8:45 AM	0	1	2	0	1	0	0	0	0	2	0	0	6
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	7	4	3	12	1	0	0	2	6	0	0	35
	APPROACH %	0%	64%	36%	19%	75%	6%	0%	0%	100%	100%	0%	0%	
	APP/DEPART	11	/	7	16	/	20	2	/	7	6	/	1	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	0	5	3	2	7	1	0	0	1	5	0	0	24
	APPROACH %	0%	63%	38%	20%	70%	10%	0%	0%	100%	100%	0%	0%	
	PEAK HR FACTOR		0.667			0.500			0.250			0.625		0.750
	APP/DEPART	8	/	5	10	/	13	1	/	5	5	/	1	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	2	0	0	2	0	0	0	0	0	0	0	4
	4:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	1
	4:30 PM	0	0	1	1	2	0	0	0	0	0	0	0	4
	4:45 PM	0	2	0	0	1	0	0	0	0	1	0	1	5
	5:00 PM	1	0	0	0	4	0	0	0	0	0	1	0	6
	5:15 PM	0	3	0	0	2	0	1	1	0	0	0	0	7
	5:30 PM	0	2	0	0	5	0	0	0	0	0	1	0	8
	5:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	2
	VOLUMES	1	10	1	1	17	0	1	1	0	2	2	1	37
	APPROACH %	8%	83%	8%	6%	94%	0%	50%	50%	0%	40%	40%	20%	
	APP/DEPART	12	/	12	18	/	19	2	/	3	5	/	3	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	1	7	0	0	12	0	1	1	0	1	2	1	26
	APPROACH %	13%	88%	0%	0%	100%	0%	50%	50%	0%	25%	50%	25%	
	PEAK HR FACTOR		0.667			0.600			0.250			0.500		0.813
	APP/DEPART	8	/	9	12	/	13	2	/	1	4	/	3	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR

NRR	SRR	ERR	WRR
0	0	0	0
0	0	0	0
0	0	1	0
0	0	0	0
1	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
1	0	1	0
1	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	15
TUESDAY	EAST & WEST:	Three Flags	CONTROL:	SIGNAL

CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

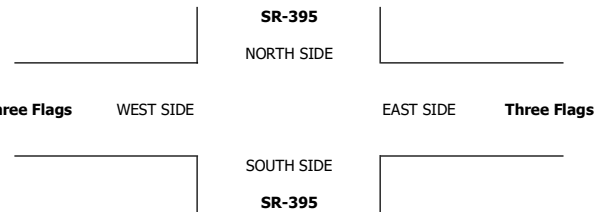
		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Three Flags			WESTBOUND Three Flags			
	LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 1	ER 0	WL 1	WT 1	WR 0	TOTAL
AM	7:00 AM	1	7	5	0	10	0	0	0	1	16	0	6	46
	7:15 AM	1	12	8	0	12	0	0	0	0	11	0	3	47
	7:30 AM	0	13	7	1	16	0	1	0	0	17	0	2	57
	7:45 AM	0	15	8	4	14	0	2	0	0	9	0	1	53
	8:00 AM	0	12	10	2	17	1	0	1	1	16	0	4	64
	8:15 AM	0	9	7	3	11	0	0	0	1	13	0	3	47
	8:30 AM	0	16	6	0	15	0	1	0	0	10	0	3	51
	8:45 AM	0	16	12	0	10	2	0	0	1	7	0	4	52
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	2	100	63	10	105	3	4	1	4	99	0	26	417
	APPROACH %	1%	61%	38%	8%	89%	3%	44%	11%	44%	79%	0%	21%	
	APP/DEPART	165	/	130	118	/	208	9	/	74	125	/	5	0
	BEGIN PEAK HR		7:15 AM											
	VOLUMES	1	52	33	7	59	1	3	1	1	53	0	10	221
	APPROACH %	1%	60%	38%	10%	88%	1%	60%	20%	20%	84%	0%	16%	
	PEAK HR FACTOR		0.935			0.838			0.625			0.788		0.863
	APP/DEPART	86	/	65	67	/	113	5	/	41	63	/	2	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	12	11	3	18	0	0	0	0	8	0	2	54
	4:15 PM	0	12	9	3	19	0	0	0	0	9	0	0	52
	4:30 PM	0	11	12	2	17	0	0	0	0	4	0	3	49
	4:45 PM	0	8	10	2	10	1	0	0	1	13	0	4	49
	5:00 PM	0	15	8	2	11	0	0	0	0	3	0	1	40
	5:15 PM	0	7	7	5	11	0	0	0	0	9	0	3	42
	5:30 PM	0	5	6	3	14	0	0	0	0	2	0	3	33
	5:45 PM	0	4	4	2	22	0	0	0	0	7	0	2	41
	VOLUMES	0	74	67	22	122	1	0	0	1	55	0	18	360
	APPROACH %	0%	52%	48%	15%	84%	1%	0%	0%	100%	75%	0%	25%	
	APP/DEPART	141	/	92	145	/	178	1	/	89	73	/	1	0
	BEGIN PEAK HR		4:00 PM											
	VOLUMES	0	43	42	10	64	1	0	0	1	34	0	9	204
	APPROACH %	0%	51%	49%	13%	85%	1%	0%	0%	100%	79%	0%	21%	
	PEAK HR FACTOR		0.924			0.852			0.250			0.632		0.944
	APP/DEPART	85	/	52	75	/	99	1	/	52	43	/	1	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR

NRR	SRR	ERR	WRR
0	0	0	3
1	0	0	1
1	0	0	1
4	0	0	0
2	0	1	2
2	0	0	0
0	0	0	3
4	0	0	3
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
14	0	1	13
8	0	1	4
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	2
0	0	0	0
0	0	0	0
0	0	0	2
2	0	0	0
1	0	0	0
2	0	0	3
0	0	0	1
1	0	0	0
6	0	0	8
2	0	0	4



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

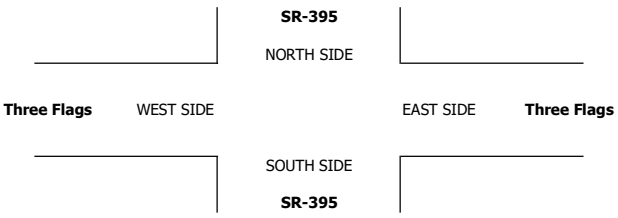
DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	15
TUESDAY	EAST & WEST:	Three Flags	CONTROL:	SIGNAL

CLASS 5:	NOTES:
RV	

AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Three Flags			WESTBOUND Three Flags			
	LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 1	ER 0	WL 1	WT 1	WR 0	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	1	0	0	0	0	0	0	0	0	0	0	1
	APPROACH %	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	1	/	1	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	0	1	0	0	0	0	0	0	0	0	0	0	1
	APPROACH %	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.250			0.000			0.000			0.000		0.250
	APP/DEPART	1	/	1	0	/	0	0	/	0	0	/	0	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	1	0	0	1
	4:45 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	2	0	0	0	0	0	0	0	2
	VOLUMES	0	1	0	0	3	0	0	0	0	1	0	0	5
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	
	APP/DEPART	1	/	1	3	/	4	0	/	0	1	/	0	0
	BEGIN PEAK HR		5:00 PM											
	VOLUMES	0	0	0	0	3	0	0	0	0	0	0	0	3
	APPROACH %	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.375			0.000			0.000		0.375
	APP/DEPART	0	/	0	3	/	3	0	/	0	0	/	0	0

U-TURNS					RTOR			
NB	SB	EB	WB	TTL	NRR	SRR	ERR	WRR
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
					0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
					0	0	0	0



INTERSECTION TURNING MOVEMENT COUNTS

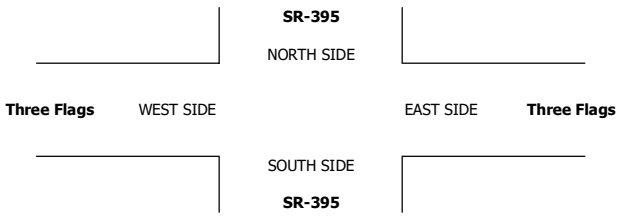
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	15
TUESDAY	EAST & WEST:	Three Flags	CONTROL:	SIGNAL

CLASS 6:	NOTES:
BUSES	

AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Three Flags			WESTBOUND Three Flags				U-TURNS					RTOR			
	LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 1	ER 0	WL 1	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL	NRR 0	SRR 0	ERR 0	WRR 0
AM	7:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	1	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1
	7:30 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	2	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	3	1	0	2	0	0	0	0	0	0	1	7	0	0	0	0	0	0	0	0	1
	APPROACH %	0%	75%	25%	0%	100%	0%	0%	0%	0%	0%	0%	100%										
	APP/DEPART	4	/	4	2	/	2	0	/	1	1	/	0	0									
	BEGIN PEAK HR		7:00 AM																				
	VOLUMES	0	3	0	0	1	0	0	0	0	0	0	0	4						0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%										
	PEAK HR FACTOR		0.375			0.250			0.000			0.000		0.333									
	APP/DEPART	3	/	3	1	/	1	0	/	0	0	/	0	0									
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	4:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	1	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%										
	APP/DEPART	1	/	1	2	/	2	0	/	0	0	/	0	0									
	BEGIN PEAK HR		3:45 PM																				
	VOLUMES	0	1	0	0	2	0	0	0	0	0	0	0	3						0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%										
	PEAK HR FACTOR		0.250			0.500			0.000			0.000		0.375									
	APP/DEPART	1	/	1	2	/	2	0	/	0	0	/	0	0									



INTERSECTION TURNING MOVEMENT COUNTS

T1218

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:			
Tue, Jan 7, 20	LOCATION:	Hesperia	PROJECT #: SC2468
	NORTH & SOUTH:	SR-395	LOCATION #: 16
	EAST & WEST:	Joshua	CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N / ◄ W / E ► / S ▼

Add U-Turns to Left Turns

		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Joshua			WESTBOUND Joshua			
	LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 0.5	ER 0.5	WL 1	WT 1	WR 1	TOTAL
AM	7:00 AM	2	141	9	15	241	9	3	6	0	15	3	15	459
	7:15 AM	1	145	9	17	214	5	10	3	1	14	3	16	438
	7:30 AM	2	154	15	18	180	10	6	8	1	17	3	19	433
	7:45 AM	0	126	4	12	170	2	3	8	1	17	2	20	365
	8:00 AM	0	89	7	17	203	2	1	4	0	12	7	13	355
	8:15 AM	1	102	9	14	219	7	5	7	1	25	6	17	413
	8:30 AM	0	105	11	14	165	3	6	4	2	25	4	17	356
	8:45 AM	0	100	3	11	167	3	1	3	3	17	5	18	331
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	6	962	67	118	1,559	41	35	43	9	142	33	135	3,150
	APPROACH %	1%	93%	6%	7%	91%	2%	40%	49%	10%	46%	11%	44%	
	APP/DEPART	1,035	/	1,133	1,718	/	1,710	87	/	227	310	/	80	0
	BEGIN PEAK HR		7:00 AM											
	VOLUMES	5	566	37	62	805	26	22	25	3	63	11	70	1,695
	APPROACH %	1%	93%	6%	7%	90%	3%	44%	50%	6%	44%	8%	49%	
	PEAK HR FACTOR		0.889			0.842			0.833			0.923		0.923
	APP/DEPART	608	/	659	893	/	871	50	/	123	144	/	42	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	7	253	14	16	153	6	13	16	1	15	4	28	526
	4:15 PM	3	217	21	10	177	2	11	5	4	17	2	24	493
	4:30 PM	7	245	15	8	174	6	8	16	1	10	2	18	510
	4:45 PM	5	251	16	13	140	7	18	8	2	17	11	17	505
	5:00 PM	7	234	16	16	136	3	14	9	1	15	4	22	477
	5:15 PM	9	232	15	15	151	3	13	21	0	10	2	18	489
	5:30 PM	10	261	10	13	119	2	19	21	3	11	3	17	489
	5:45 PM	6	220	22	13	148	3	23	18	2	7	5	23	490
	VOLUMES	54	1,913	129	104	1,198	32	119	114	14	102	33	167	3,979
	APPROACH %	3%	91%	6%	8%	90%	2%	48%	46%	6%	34%	11%	55%	
	APP/DEPART	2,096	/	2,199	1,334	/	1,314	247	/	347	302	/	119	0
	BEGIN PEAK HR		4:00 PM											
	VOLUMES	22	966	66	47	644	21	50	45	8	59	19	87	2,034
	APPROACH %	2%	92%	6%	7%	90%	3%	49%	44%	8%	36%	12%	53%	
	PEAK HR FACTOR		0.962			0.942			0.858			0.878		0.967
	APP/DEPART	1,054	/	1,103	712	/	711	103	/	158	165	/	62	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	1	0	0	1
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	1	0	0	1
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR

NRR	SRR	ERR	WRR
0	0	0	0
1	3	0	12
6	1	1	8
4	1	1	13
2	0	1	17
1	1	0	10
1	0	0	9
3	1	1	12
0	0	0	11
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
18	7	4	92
13	5	3	50
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
2	2	0	14
3	1	1	19
2	2	1	10
5	2	1	13
7	1	1	12
0	2	0	6
2	1	1	8
6	2	0	6
27	13	5	88
12	7	3	56

SR-395

NORTH SIDE

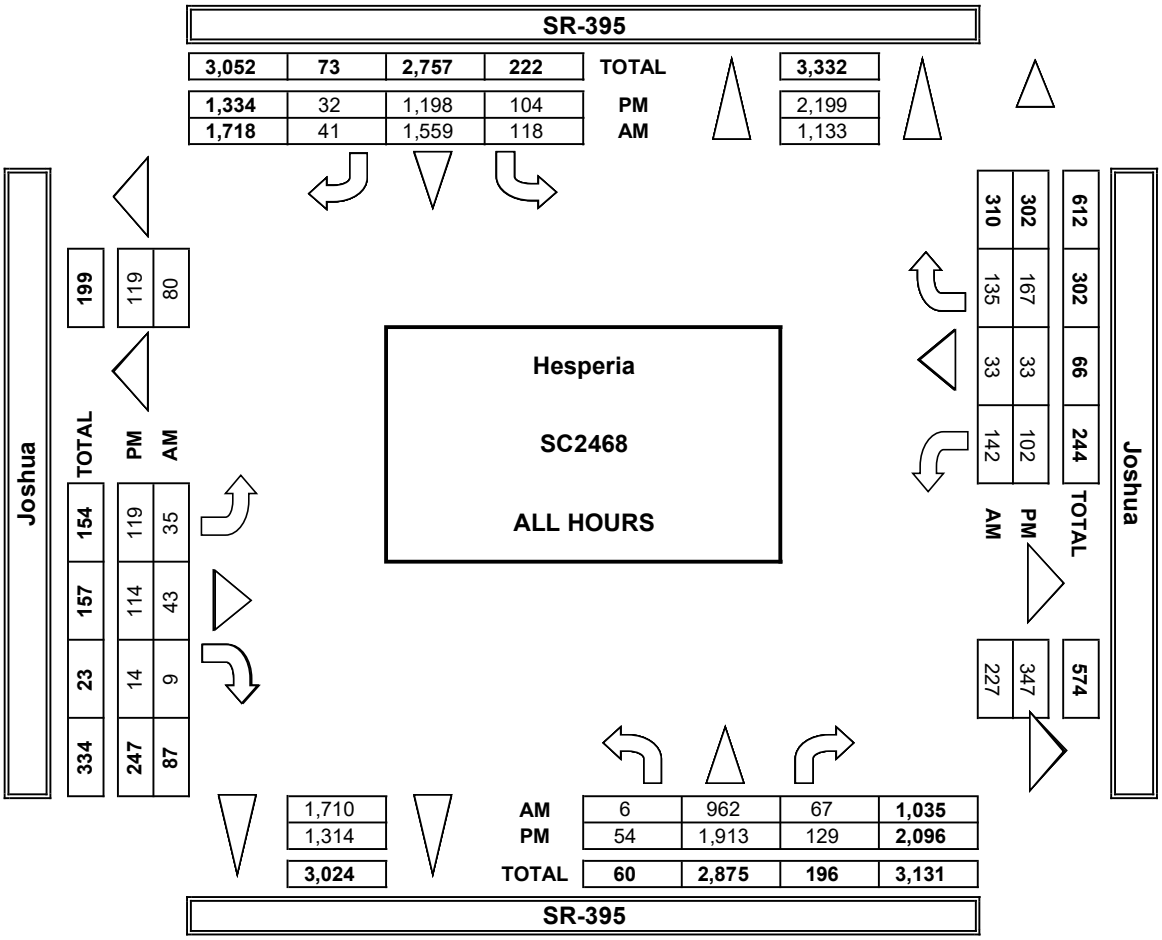
Joshua WEST SIDE EAST SIDE **Joshua**

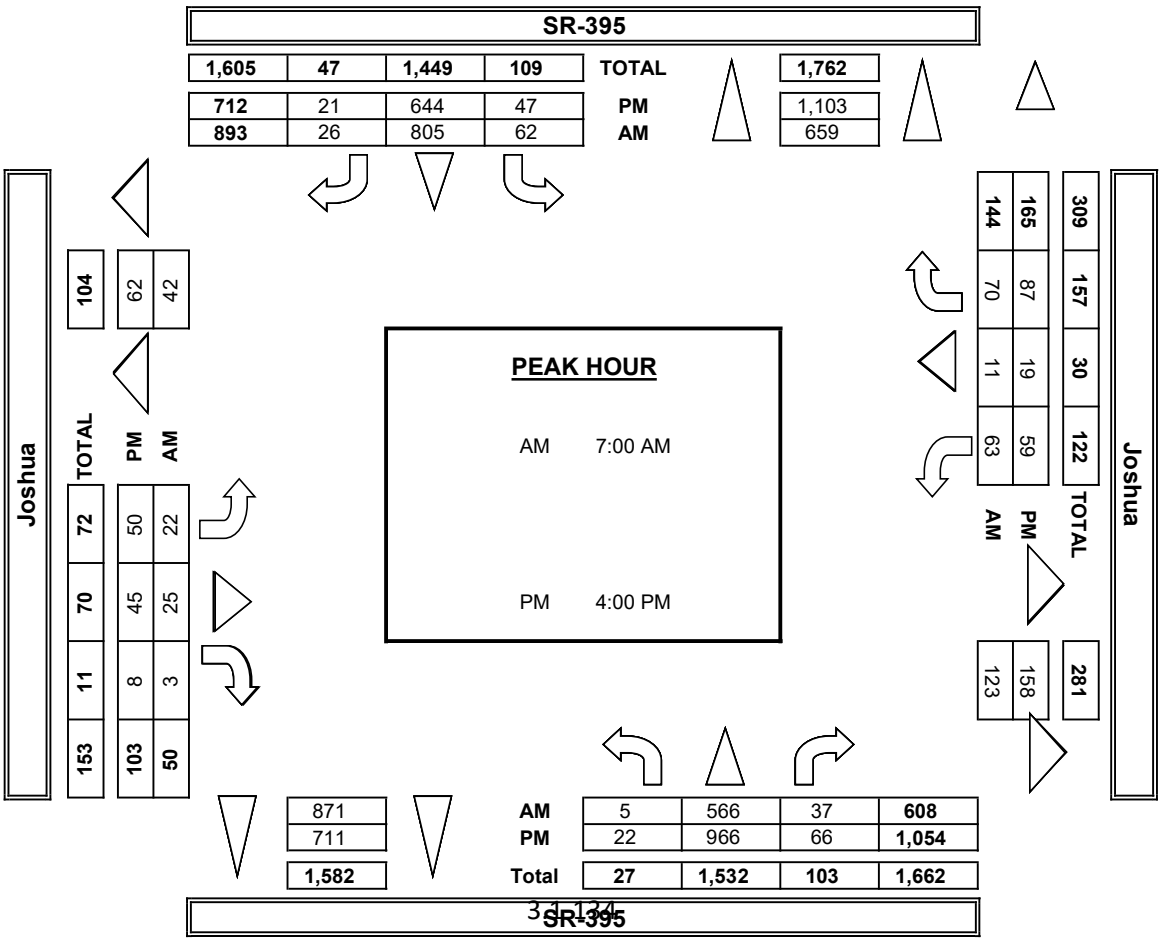
SOUTH SIDE

SR-395

		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		E SIDE	W SIDE	S SIDE	N SIDE	TOTAL	E SIDE	W SIDE	S SIDE	N SIDE	TOTAL	ES	WS	SS	NS	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0

AimTD LLC
TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	16
TUESDAY	EAST & WEST:	Joshua	CONTROL:	SIGNAL

CLASS 1: PASSENGER VEHICLES

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Joshua			WESTBOUND Joshua			
	LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 0.5	ER 0.5	WL 1	WT 1	WR 1	TOTAL
AM	7:00 AM	1	113	5	9	209	7	3	4	0	11	3	11	376
	7:15 AM	0	109	5	13	177	3	8	2	1	11	2	10	341
	7:30 AM	2	130	9	10	144	8	4	8	1	12	3	16	347
	7:45 AM	0	98	2	9	134	2	2	7	1	12	2	10	279
	8:00 AM	0	66	4	12	163	2	1	3	0	11	7	6	275
	8:15 AM	1	81	5	10	186	6	3	5	1	16	6	12	332
	8:30 AM	0	78	7	12	131	3	4	2	1	16	3	12	269
	8:45 AM	0	63	3	9	136	3	0	3	2	12	4	11	246
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	4	738	40	84	1,280	34	25	34	7	101	30	88	2,465
	APPROACH %	1%	94%	5%	6%	92%	2%	38%	52%	11%	46%	14%	40%	
	APP/DEPART	782	/	852	1,398	/	1,388	66	/	157	219	/	68	0
	BEGIN PEAK HR		7:00 AM											
	VOLUMES	3	450	21	40	664	20	17	21	3	46	10	47	1,343
	APPROACH %	1%	95%	4%	6%	92%	3%	41%	51%	7%	45%	10%	46%	
	PEAK HR FACTOR		0.840			0.806			0.788			0.831		0.893
	APP/DEPART	474	/	515	725	/	713	41	/	82	103	/	33	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	7	218	11	13	118	6	12	15	1	10	4	22	437
	4:15 PM	3	184	15	5	136	1	11	4	3	12	2	21	397
	4:30 PM	5	209	12	6	147	6	8	15	1	5	2	16	432
	4:45 PM	5	223	15	10	109	7	17	8	2	14	11	13	434
	5:00 PM	7	208	11	13	111	3	11	9	1	12	4	18	408
	5:15 PM	9	206	9	9	124	3	13	21	0	8	2	13	417
	5:30 PM	10	237	7	10	98	2	19	21	3	8	3	13	431
	5:45 PM	6	203	15	10	113	2	23	18	1	6	5	19	421
	VOLUMES	52	1,688	95	76	956	30	114	111	12	75	33	135	3,377
	APPROACH %	3%	92%	5%	7%	90%	3%	48%	47%	5%	31%	14%	56%	
	APP/DEPART	1,835	/	1,937	1,062	/	1,043	237	/	282	243	/	115	0
	BEGIN PEAK HR		4:00 PM											
	VOLUMES	20	834	53	34	510	20	48	42	7	41	19	72	1,700
	APPROACH %	2%	92%	6%	6%	90%	4%	49%	43%	7%	31%	14%	55%	
	PEAK HR FACTOR		0.933			0.887			0.866			0.868		0.973
	APP/DEPART	907	/	954	564	/	558	97	/	129	132	/	59	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	1	0	0	1
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	1	0	0	1
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	16
TUESDAY	EAST & WEST:	Joshua	CONTROL:	SIGNAL

CLASS 2:	NOTES:
2-AXLE WORK VEHICLES/ TRUCKS	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Joshua			WESTBOUND Joshua			
	LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 0.5	ER 0.5	WL 1	WT 1	WR 1	TOTAL
AM	7:00 AM	0	15	2	1	10	1	0	2	0	1	0	2	34
	7:15 AM	1	19	1	0	19	0	2	0	0	0	1	1	44
	7:30 AM	0	6	2	0	10	1	1	0	0	1	0	1	22
	7:45 AM	0	11	2	0	12	0	0	0	0	1	0	4	30
	8:00 AM	0	6	1	2	9	0	0	0	0	1	0	1	20
	8:15 AM	0	4	0	1	7	0	1	1	0	5	0	2	21
	8:30 AM	0	8	0	0	5	0	0	2	0	2	1	3	21
	8:45 AM	0	12	0	0	12	0	1	0	0	2	0	0	27
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	1	81	8	4	84	2	5	5	0	13	2	14	219
	APPROACH %	1%	90%	9%	4%	93%	2%	50%	50%	0%	45%	7%	48%	
	APP/DEPART	90	/	100	90	/	97	10	/	17	29	/	5	0
	BEGIN PEAK HR		7:00 AM											
	VOLUMES	1	51	7	1	51	2	3	2	0	3	1	8	130
	APPROACH %	2%	86%	12%	2%	94%	4%	60%	40%	0%	25%	8%	67%	
	PEAK HR FACTOR		0.702			0.711			0.625			0.600		0.739
	APP/DEPART	59	/	62	54	/	54	5	/	10	12	/	4	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	17	1	0	10	0	0	1	0	4	0	0	33
	4:15 PM	0	15	1	1	16	0	0	1	0	1	0	0	35
	4:30 PM	1	13	0	0	4	0	0	1	0	3	0	0	22
	4:45 PM	0	11	1	0	8	0	1	0	0	0	0	0	21
	5:00 PM	0	6	1	1	9	0	2	0	0	1	0	1	21
	5:15 PM	0	13	0	0	10	0	0	0	0	1	0	1	25
	5:30 PM	0	14	0	1	2	0	0	0	0	1	0	1	19
	5:45 PM	0	12	3	0	7	0	0	0	0	0	0	0	22
	VOLUMES	1	101	7	3	66	0	3	3	0	11	0	3	198
	APPROACH %	1%	93%	6%	4%	96%	0%	50%	50%	0%	79%	0%	21%	
	APP/DEPART	109	/	107	69	/	77	6	/	13	14	/	1	0
	BEGIN PEAK HR		4:00 PM											
	VOLUMES	1	56	3	1	38	0	1	3	0	8	0	0	111
	APPROACH %	2%	93%	5%	3%	97%	0%	25%	75%	0%	100%	0%	0%	
	PEAK HR FACTOR		0.833			0.574			1.000			0.500		0.793
	APP/DEPART	60	/	57	39	/	46	4	/	7	8	/	1	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR

NRR	SRR	ERR	WRR
0	0	0	2
1	0	0	1
0	0	0	1
1	0	0	3
0	0	0	1
0	0	0	1
0	0	0	2
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
2	0	0	11
2	0	0	7
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
1	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

SR-395

NORTH SIDE

Joshua WEST SIDE EAST SIDE **Joshua**

SOUTH SIDE

SR-395

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	16
TUESDAY	EAST & WEST:	Joshua	CONTROL:	SIGNAL

CLASS 3: 3-AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Joshua			WESTBOUND Joshua			
	LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 0.5	ER 0.5	WL 1	WT 1	WR 1	TOTAL
AM	7:00 AM	0	1	0	1	0	0	0	0	0	1	0	0	3
	7:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
	7:30 AM	0	0	0	1	1	0	0	0	0	0	0	0	2
	7:45 AM	0	0	0	0	4	0	0	0	0	0	0	1	5
	8:00 AM	0	0	1	0	0	0	0	0	0	0	0	1	2
	8:15 AM	0	1	0	0	4	0	1	0	0	2	0	1	9
	8:30 AM	0	1	0	0	6	0	0	0	0	0	0	0	7
	8:45 AM	0	3	0	0	3	0	0	0	0	0	0	0	6
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	7	1	2	18	0	1	0	0	3	0	3	35
	APPROACH %	0%	88%	13%	10%	90%	0%	100%	0%	0%	50%	0%	50%	
	APP/DEPART	8	/	11	20	/	21	1	/	3	6	/	0	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	0	5	1	0	13	0	1	0	0	2	0	2	24
	APPROACH %	0%	83%	17%	0%	100%	0%	100%	0%	0%	50%	0%	50%	
	PEAK HR FACTOR		0.500			0.542			0.250			0.333		0.667
	APP/DEPART	6	/	8	13	/	15	1	/	1	4	/	0	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	1	0	0	2	0	0	0	0	0	0	1	4
	4:15 PM	0	0	1	1	0	0	0	0	0	1	0	0	3
	4:30 PM	0	1	0	0	2	0	0	0	0	1	0	0	4
	4:45 PM	0	2	0	1	1	0	0	0	0	0	0	0	4
	5:00 PM	0	0	1	0	4	0	1	0	0	0	0	0	6
	5:15 PM	0	3	0	0	2	0	0	0	0	0	0	0	5
	5:30 PM	0	2	0	0	5	0	0	0	0	1	0	0	8
	5:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	2
	VOLUMES	0	10	2	2	17	0	1	0	0	3	0	1	36
	APPROACH %	0%	83%	17%	11%	89%	0%	100%	0%	0%	75%	0%	25%	
	APP/DEPART	12	/	12	19	/	20	1	/	4	4	/	0	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	0	7	1	1	12	0	1	0	0	1	0	0	23
	APPROACH %	0%	88%	13%	8%	92%	0%	100%	0%	0%	100%	0%	0%	
	PEAK HR FACTOR		0.667			0.650			0.250			0.250		0.719
	APP/DEPART	8	/	8	13	/	13	1	/	2	1	/	0	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	16
TUESDAY	EAST & WEST:	Joshua	CONTROL:	SIGNAL

CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Joshua			WESTBOUND Joshua			
	LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 0.5	ER 0.5	WL 1	WT 1	WR 1	TOTAL
AM	7:00 AM	1	11	2	4	22	1	0	0	0	2	0	2	45
	7:15 AM	0	16	3	4	18	1	0	1	0	3	0	5	51
	7:30 AM	0	18	4	7	25	1	0	0	0	4	0	2	61
	7:45 AM	0	17	0	3	20	0	1	1	0	4	0	5	51
	8:00 AM	0	17	1	3	31	0	0	1	0	0	0	5	58
	8:15 AM	0	14	4	3	22	0	0	1	0	2	0	2	48
	8:30 AM	0	18	4	2	23	0	2	0	0	7	0	2	58
	8:45 AM	0	21	0	2	16	0	0	0	1	3	1	7	51
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	1	132	18	28	177	3	3	4	1	25	1	30	423
	APPROACH %	1%	87%	12%	13%	85%	1%	38%	50%	13%	45%	2%	54%	
	APP/DEPART	151	/	165	208	/	203	8	/	50	56	/	5	0
	BEGIN PEAK HR		7:15 AM											
	VOLUMES	0	68	8	17	94	2	1	3	0	11	0	17	221
	APPROACH %	0%	89%	11%	15%	83%	2%	25%	75%	0%	39%	0%	61%	
	PEAK HR FACTOR		0.864			0.831			0.500			0.778		0.906
	APP/DEPART	76	/	86	113	/	105	4	/	28	28	/	2	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	17	2	3	23	0	1	0	0	1	0	5	52
	4:15 PM	0	18	4	3	25	0	0	0	1	3	0	3	57
	4:30 PM	1	21	3	1	20	0	0	0	0	1	0	2	49
	4:45 PM	0	15	0	2	22	0	0	0	0	3	0	3	45
	5:00 PM	0	20	3	2	12	0	0	0	0	2	0	3	42
	5:15 PM	0	10	6	6	14	0	0	0	0	1	0	4	41
	5:30 PM	0	8	3	2	14	0	0	0	0	1	0	3	31
	5:45 PM	0	4	4	2	27	0	0	0	0	1	0	4	42
	VOLUMES	1	113	25	21	157	0	1	0	1	13	0	27	359
	APPROACH %	1%	81%	18%	12%	88%	0%	50%	0%	50%	33%	0%	68%	
	APP/DEPART	139	/	141	178	/	171	2	/	46	40	/	1	0
	BEGIN PEAK HR		4:00 PM											
	VOLUMES	1	71	9	9	90	0	1	0	1	8	0	13	203
	APPROACH %	1%	88%	11%	9%	91%	0%	50%	0%	50%	38%	0%	62%	
	PEAK HR FACTOR		0.810			0.884			0.500			0.875		0.890
	APP/DEPART	81	/	85	99	/	99	2	/	18	21	/	1	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR

NRR	SRR	ERR	WRR
0	0	0	2
2	0	0	2
1	0	0	1
0	0	0	4
0	0	0	4
0	0	0	0
1	0	0	2
0	0	0	4
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
4	0	0	19
3	0	0	11

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

NRR	SRR	ERR	WRR
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	2
1	0	0	1
0	0	0	0
0	0	0	2
0	0	0	2
0	0	0	1
0	0	0	2
0	0	0	0
1	0	0	10
1	0	0	5

SR-395

NORTH SIDE

Joshua WEST SIDE EAST SIDE **Joshua**

SOUTH SIDE

SR-395

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	16
TUESDAY	EAST & WEST:	Joshua	CONTROL:	SIGNAL

CLASS 5:	NOTES:
RV	

AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

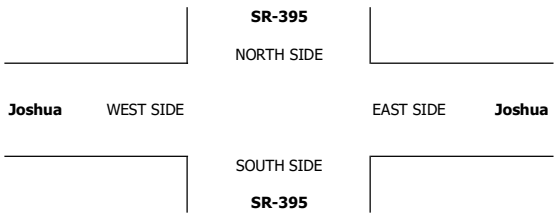
		NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Joshua			WESTBOUND Joshua			
	LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 0.5	ER 0.5	WL 1	WT 1	WR 1	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	1	0	0	0	0	0	0	0	0	0	0	1
	APPROACH %	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	1	/	1	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	0	1	0	0	0	0	0	0	0	0	0	0	1
	APPROACH %	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.250			0.000			0.000			0.000		0.250
	APP/DEPART	1	/	1	0	/	0	0	/	0	0	/	0	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	1	0	0	0	0	0	0	0	0	1
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	1
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	1	0	1	0	0	1	0	0	0	3
	VOLUMES	0	0	0	2	1	1	0	0	1	0	0	1	6
	APPROACH %	0%	0%	0%	50%	25%	25%	0%	0%	100%	0%	0%	100%	
	APP/DEPART	0	/	1	4	/	2	1	/	2	1	/	1	0
	BEGIN PEAK HR		5:00 PM											
	VOLUMES	0	0	0	1	1	1	0	0	1	0	0	0	4
	APPROACH %	0%	0%	0%	33%	33%	33%	0%	0%	100%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.375			0.250			0.000		0.333
	APP/DEPART	0	/	0	3	/	2	1	/	1	0	/	1	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR

NRR 0	SRR 0	ERR 0	WRR 0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	1	0	1
0	1	0	0



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Hesperia	PROJECT #:	SC2468
1/7/20	NORTH & SOUTH:	SR-395	LOCATION #:	16
TUESDAY	EAST & WEST:	Joshua	CONTROL:	SIGNAL

CLASS 6:	NOTES:
BUSES	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

	NORTHBOUND SR-395			SOUTHBOUND SR-395			EASTBOUND Joshua			WESTBOUND Joshua			
LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 0.5	ER 0.5	WL 1	WT 1	WR 1	TOTAL
7:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
7:15 AM	0	0	0	0	0	1	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	1	0	0	0	0	0	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	2	0	0	0	1	0	0	0	0	0	0	3
8:30 AM	0	0	0	0	0	0	0	0	1	0	0	0	1
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	3	0	0	0	2	1	0	1	0	0	0	7
APPROACH %	0%	100%	0%	0%	0%	100%	50%	0%	50%	0%	0%	0%	
APP/DEPART	3	/	4	2	/	1	2	/	0	0	/	2	0
BEGIN PEAK HR		7:30 AM											
VOLUMES	0	2	0	0	0	1	0	0	1	0	0	0	4
APPROACH %	0%	100%	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	
PEAK HR FACTOR		0.250			0.250			0.250			0.000		0.333
APP/DEPART	2	/	2	1	/	1	1	/	0	0	/	1	0
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	1	0	0	0	0	0	0	1
4:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	1	0	0	1	1	0	0	0	0	0	0	3
APPROACH %	0%	100%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	
APP/DEPART	1	/	1	2	/	1	0	/	0	0	/	1	0
BEGIN PEAK HR		3:45 PM											
VOLUMES	0	1	0	0	1	1	0	0	0	0	0	0	3
APPROACH %	0%	100%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	
PEAK HR FACTOR		0.250			0.500			0.000			0.000		0.375
APP/DEPART	1	/	1	2	/	1	0	/	0	0	/	1	0

U-TURNS

NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main AM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

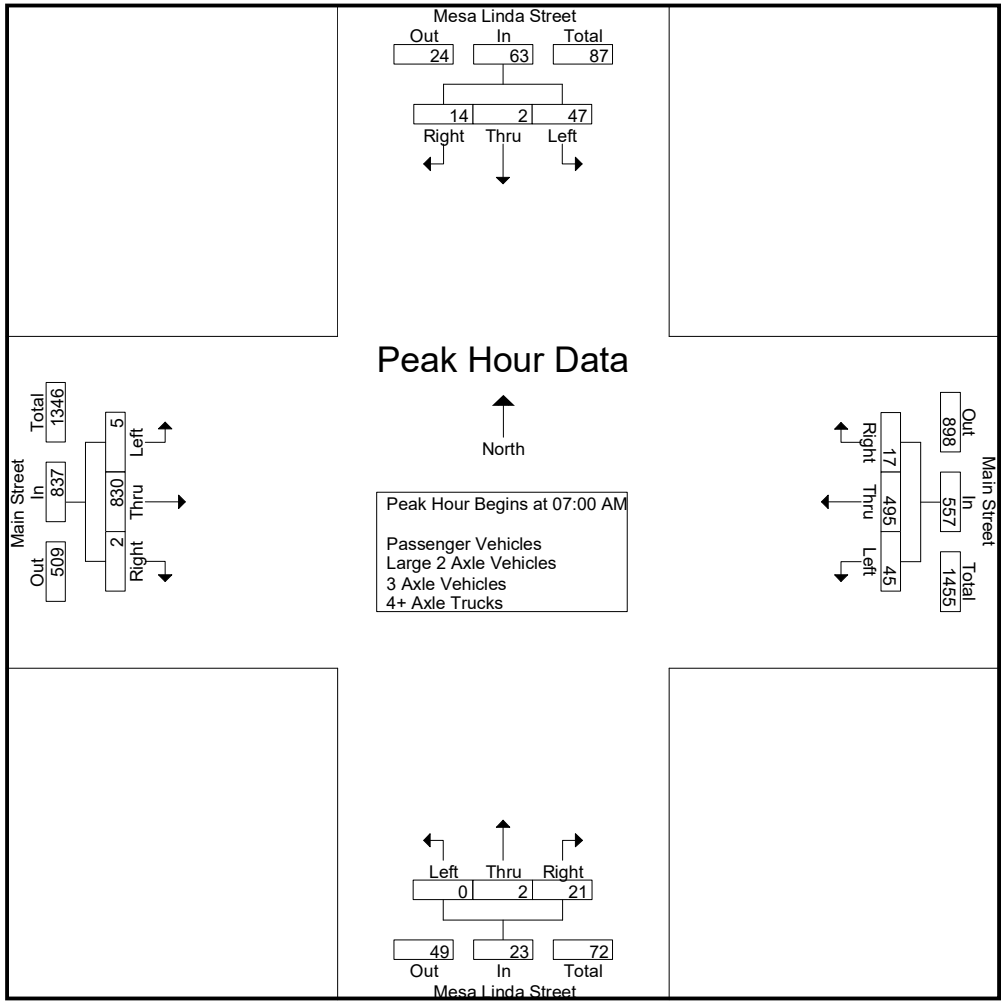
	Mesa Linda Street Southbound					Main Street Westbound					Mesa Linda Street Northbound					Main Street Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	16	0	3	3	19	5	113	3	2	121	0	0	4	3	4	2	205	0	0	207	8	351	359
07:15 AM	12	0	4	2	16	7	116	4	3	127	0	1	5	4	6	1	182	1	0	184	9	333	342
07:30 AM	9	1	3	3	13	10	172	6	2	188	0	1	7	6	8	1	226	0	0	227	11	436	447
07:45 AM	10	1	4	4	15	23	94	4	0	121	0	0	5	5	5	1	217	1	0	219	9	360	369
Total	47	2	14	12	63	45	495	17	7	557	0	2	21	18	23	5	830	2	0	837	37	1480	1517
08:00 AM	8	0	0	0	8	11	97	7	0	115	1	0	8	6	9	0	170	1	0	171	6	303	309
08:15 AM	8	0	0	0	8	18	102	8	5	128	0	0	12	9	12	2	174	2	0	178	14	326	340
08:30 AM	14	0	2	1	16	12	111	3	1	126	1	0	9	8	10	0	203	2	0	205	10	357	367
08:45 AM	3	0	1	1	4	7	88	3	2	98	2	0	8	8	10	1	165	1	0	167	11	279	290
Total	33	0	3	2	36	48	398	21	8	467	4	0	37	31	41	3	712	6	0	721	41	1265	1306
Grand Total	80	2	17	14	99	93	893	38	15	1024	4	2	58	49	64	8	1542	8	0	1558	78	2745	2823
Apprch %	80.8	2	17.2			9.1	87.2	3.7			6.2	3.1	90.6			0.5	99	0.5					
Total %	2.9	0.1	0.6		3.6	3.4	32.5	1.4		37.3	0.1	0.1	2.1		2.3	0.3	56.2	0.3		56.8	2.8	97.2	
Passenger Vehicles	79	2	17		112	85	851	36		986	4	2	50		99	8	1502	7		1517	0	0	2714
% Passenger Vehicles	98.8	100	100	100	99.1	91.4	95.3	94.7	93.3	94.9	100	100	86.2	87.8	87.6	100	97.4	87.5	0	97.4	0	0	96.1
Large 2 Axle Vehicles	0	0	0		0	4	27	1		33	0	0	4		8	0	19	1		20	0	0	61
% Large 2 Axle Vehicles	0	0	0	0	0	4.3	3	2.6	6.7	3.2	0	0	6.9	8.2	7.1	0	1.2	12.5	0	1.3	0	0	2.2
3 Axle Vehicles	1	0	0		1	1	7	1		9	0	0	1		2	0	9	0		9	0	0	21
% 3 Axle Vehicles	1.2	0	0	0	0.9	1.1	0.8	2.6	0	0.9	0	0	1.7	2	1.8	0	0.6	0	0	0.6	0	0	0.7
4+ Axle Trucks	0	0	0		0	3	8	0		11	0	0	3		4	0	12	0		12	0	0	27
% 4+ Axle Trucks	0	0	0	0	0	3.2	0.9	0	0	1.1	0	0	5.2	2	3.5	0	0.8	0	0	0.8	0	0	1

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	**16**	0	3	**19**	5	113	3	121	0	0	4	4	**2**	205	0	207	351
07:15 AM	12	0	**4**	16	7	116	4	127	0	**1**	5	6	1	182	**1**	184	333
07:30 AM	9	**1**	3	13	10	**172**	**6**	**188**	0	1	**7**	**8**	1	**226**	0	**227**	**436**
07:45 AM	10	1	4	15	**23**	94	4	121	0	0	5	5	1	217	1	219	360
Total Volume	47	2	14	63	45	495	17	557	0	2	21	23	5	830	2	837	1480
% App. Total	74.6	3.2	22.2		8.1	88.9	3.1		0	8.7	91.3		0.6	99.2	0.2		
PHF	.734	.500	.875	.829	.489	.719	.708	.741	.000	.500	.750	.719	.625	.918	.500	.922	.849

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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main AM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 2



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N/S: Mesa Linda Street
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File Name : 09_HES_Mesa Linda_Main AM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 3

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	07:00 AM				07:00 AM				08:00 AM				07:00 AM				
+0 mins.	**16**	0	3	**19**	5	113	3	121	1	0	8	9	**2**	205	0	207	
+15 mins.	12	0	**4**	16	7	116	4	127	0	0	**12**	**12**	1	182	**1**	184	
+30 mins.	9	**1**	3	13	10	**172**	**6**	**188**	1	0	9	10	1	**226**	0	**227**	
+45 mins.	10	1	4	15	**23**	94	4	121	**2**	0	8	10	1	217	1	219	
Total Volume	47	2	14	63	45	495	17	557	4	0	37	41	5	830	2	837	
% App. Total	74.6	3.2	22.2		8.1	88.9	3.1		9.8	0	90.2		0.6	99.2	0.2		
PHF	.734	.500	.875	.829	.489	.719	.708	.741	.500	.000	.771	.854	.625	.918	.500	.922	

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Site Code : 05119658
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Page No : 1

Groups Printed- Passenger Vehicles

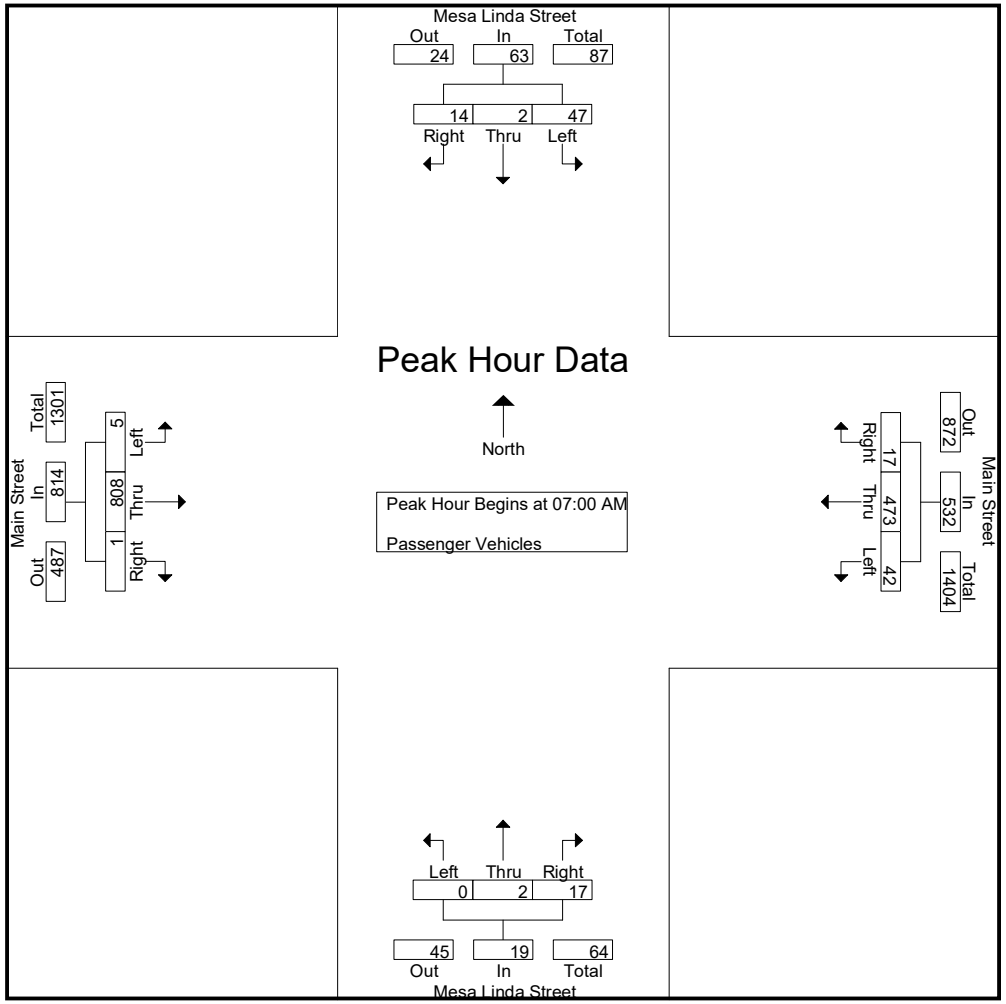
	Mesa Linda Street Southbound					Main Street Westbound					Mesa Linda Street Northbound					Main Street Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	16	0	3	3	19	5	109	3	2	117	0	0	3	3	3	2	199	0	0	201	8	340	348
07:15 AM	12	0	4	2	16	7	111	4	3	122	0	1	3	3	4	1	178	1	0	180	8	322	330
07:30 AM	9	1	3	3	13	8	164	6	2	178	0	1	6	5	7	1	222	0	0	223	10	421	431
07:45 AM	10	1	4	4	15	22	89	4	0	115	0	0	5	5	5	1	209	0	0	210	9	345	354
Total	47	2	14	12	63	42	473	17	7	532	0	2	17	16	19	5	808	1	0	814	35	1428	1463
08:00 AM	7	0	0	0	7	11	93	6	0	110	1	0	7	5	8	0	163	1	0	164	5	289	294
08:15 AM	8	0	0	0	8	17	96	7	4	120	0	0	12	9	12	2	173	2	0	177	13	317	330
08:30 AM	14	0	2	1	16	10	105	3	1	118	1	0	8	7	9	0	196	2	0	198	9	341	350
08:45 AM	3	0	1	1	4	5	84	3	2	92	2	0	6	6	8	1	162	1	0	164	9	268	277
Total	32	0	3	2	35	43	378	19	7	440	4	0	33	27	37	3	694	6	0	703	36	1215	1251
Grand Total	79	2	17	14	98	85	851	36	14	972	4	2	50	43	56	8	1502	7	0	1517	71	2643	2714
Apprch %	80.6	2	17.3			8.7	87.6	3.7			7.1	3.6	89.3			0.5	99	0.5					
Total %	3	0.1	0.6		3.7	3.2	32.2	1.4		36.8	0.2	0.1	1.9		2.1	0.3	56.8	0.3		57.4	2.6	97.4	

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	**16**	0	3	**19**	5	109	3	117	0	0	3	3	**2**	199	0	201	340
07:15 AM	12	0	**4**	16	7	111	4	122	0	**1**	3	4	1	178	**1**	180	322
07:30 AM	9	**1**	3	13	8	**164**	**6**	**178**	0	1	**6**	**7**	1	**222**	0	**223**	**421**
07:45 AM	10	1	4	15	**22**	89	4	115	0	0	5	5	1	209	0	210	345
Total Volume	47	2	14	63	42	473	17	532	0	2	17	19	5	808	1	814	1428
% App. Total	74.6	3.2	22.2		7.9	88.9	3.2		0	10.5	89.5		0.6	99.3	0.1		
PHF	.734	.500	.875	.829	.477	.721	.708	.747	.000	.500	.708	.679	.625	.910	.250	.913	.848

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City of Hesperia
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File Name : 09_HES_Mesa Linda_Main AM
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Site Code : 05119658
Start Date : 9/28/2019

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	07:00 AM				07:00 AM				07:00 AM				07:00 AM				
+0 mins.	**16**	0	3	**19**	5	109	3	117	0	0	3	3	**2**	199	0	201	
+15 mins.	12	0	**4**	16	7	111	4	122	0	**1**	3	4	1	178	**1**	180	
+30 mins.	9	**1**	3	13	8	**164**	**6**	**178**	0	1	**6**	**7**	1	**222**	0	**223**	
+45 mins.	10	1	4	15	**22**	89	4	115	0	0	5	5	1	209	0	210	
Total Volume	47	2	14	63	42	473	17	532	0	2	17	19	5	808	1	814	
% App. Total	74.6	3.2	22.2		7.9	88.9	3.2		0	10.5	89.5		0.6	99.3	0.1		
PHF	.734	.500	.875	.829	.477	.721	.708	.747	.000	.500	.708	.679	.625	.910	.250	.913	

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Groups Printed- Large 2 Axle Vehicles

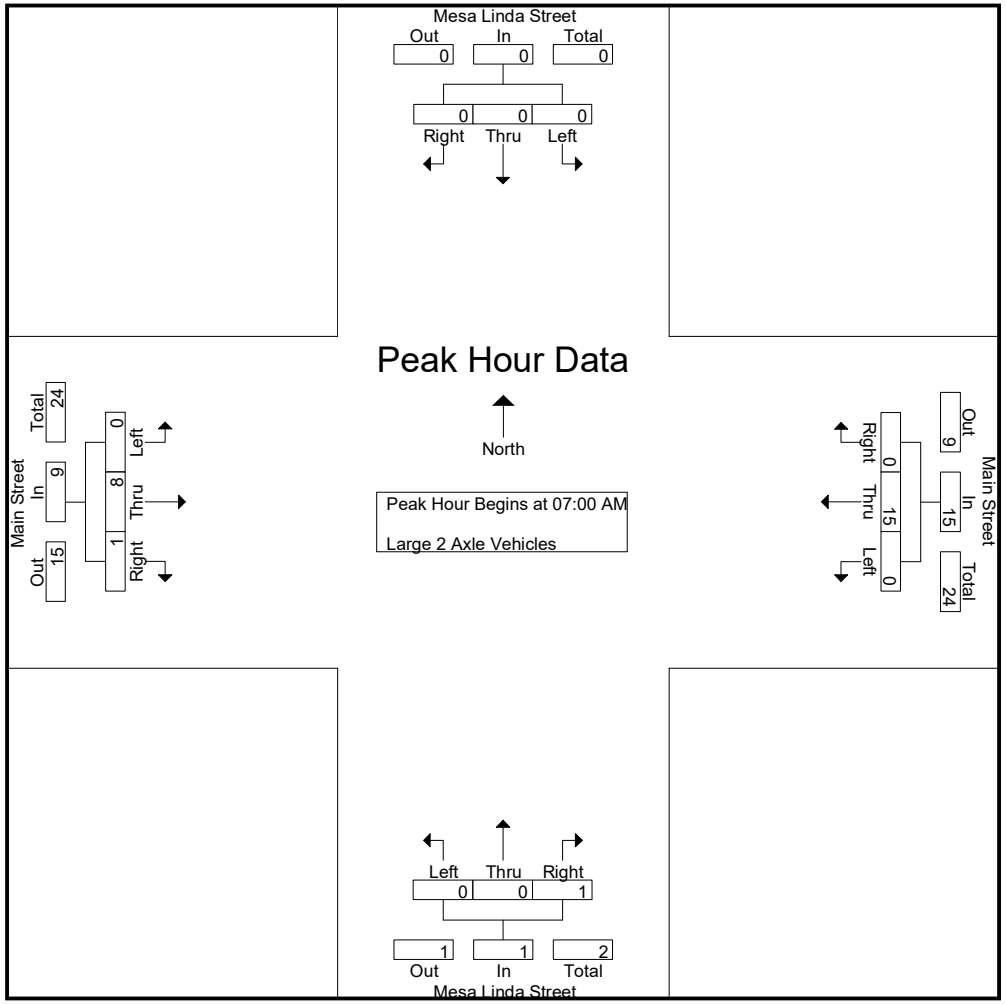
	Mesa Linda Street Southbound					Main Street Westbound					Mesa Linda Street Northbound					Main Street Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	0	5	5
07:15 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3	0	0	3	0	5	5
07:30 AM	0	0	0	0	0	0	5	0	0	5	0	0	1	1	1	0	1	0	0	1	1	7	8
07:45 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	3	1	0	4	0	8	8
Total	0	0	0	0	0	0	15	0	0	15	0	0	1	1	1	0	8	1	0	9	1	25	26
08:00 AM	0	0	0	0	0	0	2	0	0	2	0	0	1	1	1	0	4	0	0	4	1	7	8
08:15 AM	0	0	0	0	0	1	4	1	1	6	0	0	0	0	0	0	0	0	0	0	1	6	7
08:30 AM	0	0	0	0	0	1	4	0	0	5	0	0	1	1	1	0	5	0	0	5	1	11	12
08:45 AM	0	0	0	0	0	2	2	0	0	4	0	0	1	1	1	0	2	0	0	2	1	7	8
Total	0	0	0	0	0	4	12	1	1	17	0	0	3	3	3	0	11	0	0	11	4	31	35
Grand Total	0	0	0	0	0	4	27	1	1	32	0	0	4	4	4	0	19	1	0	20	5	56	61
Apprch %	0	0	0			12.5	84.4	3.1			0	0	100			0	95	5					
Total %	0	0	0		0	7.1	48.2	1.8		57.1	0	0	7.1		7.1	0	33.9	1.8		35.7	8.2	91.8	

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	0	0	0	0	4	0	4	0	0	0	0	0	1	0	1	5
07:15 AM	0	0	0	0	0	2	0	2	0	0	0	0	0	**3**	0	3	5
07:30 AM	0	0	0	0	0	**5**	0	**5**	0	0	**1**	**1**	0	1	0	1	7
07:45 AM	0	0	0	0	0	4	0	4	0	0	0	0	0	3	**1**	**4**	**8**
Total Volume	0	0	0	0	0	15	0	15	0	0	1	1	0	8	1	9	25
% App. Total	0	0	0		0	100	0		0	0	100		0	88.9	11.1		
PHF	.000	.000	.000	.000	.000	.750	.000	.750	.000	.000	.250	.250	.000	.667	.250	.563	.781

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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main AM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 2



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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main AM
Site Code : 05119658
Start Date : 9/28/2019

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	07:00 AM				07:00 AM				07:00 AM				07:00 AM				
+0 mins.	0	0	0	0	0	4	0	4	0	0	0	0	0	1	0	1	
+15 mins.	0	0	0	0	0	2	0	2	0	0	0	0	0	**3**	0	3	
+30 mins.	0	0	0	0	0	**5**	0	**5**	0	0	**1**	**1**	0	1	0	1	
+45 mins.	0	0	0	0	0	4	0	4	0	0	0	0	0	3	**1**	**4**	
Total Volume	0	0	0	0	0	15	0	15	0	0	1	1	0	8	1	9	
% App. Total	0	0	0		0	100	0		0	0	100		0	88.9	11.1		
PHF	.000	.000	.000	.000	.000	.750	.000	.750	.000	.000	.250	.250	.000	.667	.250	.563	

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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main AM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 1

Groups Printed- 3 Axle Vehicles

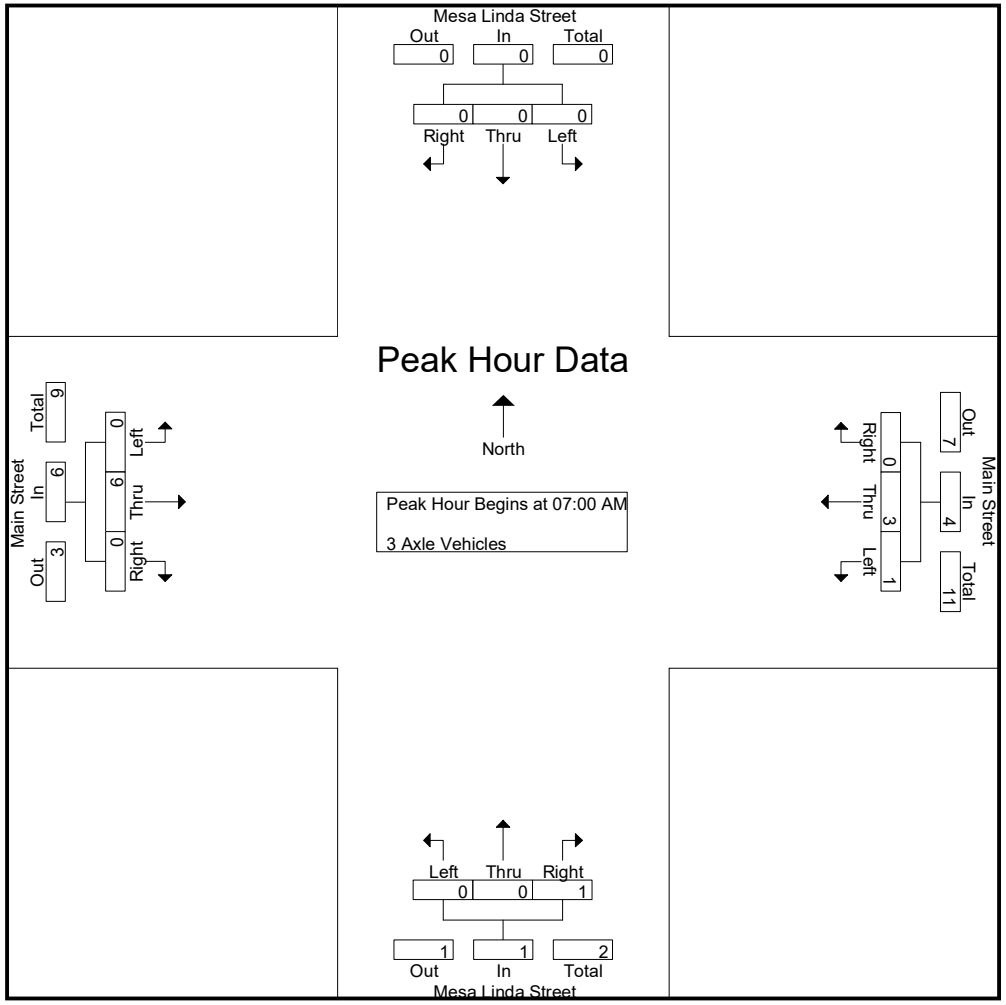
	Mesa Linda Street Southbound					Main Street Westbound					Mesa Linda Street Northbound					Main Street Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	2	2
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	1	1	2	3
07:30 AM	0	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	1	0	0	1	0	4	4
07:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	3	3
Total	0	0	0	0	0	1	3	0	0	4	0	0	1	1	1	0	6	0	0	6	1	11	12
08:00 AM	1	0	0	0	1	0	1	1	0	2	0	0	0	0	0	0	1	0	0	1	0	4	4
08:15 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	2
08:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	2	2
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1
Total	1	0	0	0	1	0	4	1	0	5	0	0	0	0	0	0	3	0	0	3	0	9	9
Grand Total	1	0	0	0	1	1	7	1	0	9	0	0	1	1	1	0	9	0	0	9	1	20	21
Apprch %	100	0	0			11.1	77.8	11.1			0	0	100			0	100	0					
Total %	5	0	0		5	5	35	5		45	0	0	5		5	0	45	0		45	4.8	95.2	

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	**2**	2
07:15 AM	0	0	0	0	0	0	0	0	0	0	**1**	**1**	0	1	0	1	2
07:30 AM	0	0	0	0	**1**	**2**	0	**3**	0	0	0	0	0	1	0	1	**4**
07:45 AM	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	2	3
Total Volume	0	0	0	0	1	3	0	4	0	0	1	1	0	6	0	6	11
% App. Total	0	0	0		25	75	0		0	0	100		0	100	0		
PHF	.000	.000	.000	.000	.250	.375	.000	.333	.000	.000	.250	.250	.000	.750	.000	.750	.688

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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main AM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 2



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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main AM
Site Code : 05119658
Start Date : 9/28/2019

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	07:00 AM				07:00 AM				07:00 AM				07:00 AM				
+0 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	**2**	
+15 mins.	0	0	0	0	0	0	0	0	0	0	**1**	**1**	0	1	0	1	
+30 mins.	0	0	0	0	**1**	**2**	0	**3**	0	0	0	0	0	1	0	1	
+45 mins.	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	2	
Total Volume	0	0	0	0	1	3	0	4	0	0	1	1	0	6	0	6	
% App. Total	0	0	0		25	75	0		0	0	100		0	100	0		
PHF	.000	.000	.000	.000	.250	.375	.000	.333	.000	.000	.250	.250	.000	.750	.000	.750	

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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main AM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 1

Groups Printed- 4+ Axle Trucks

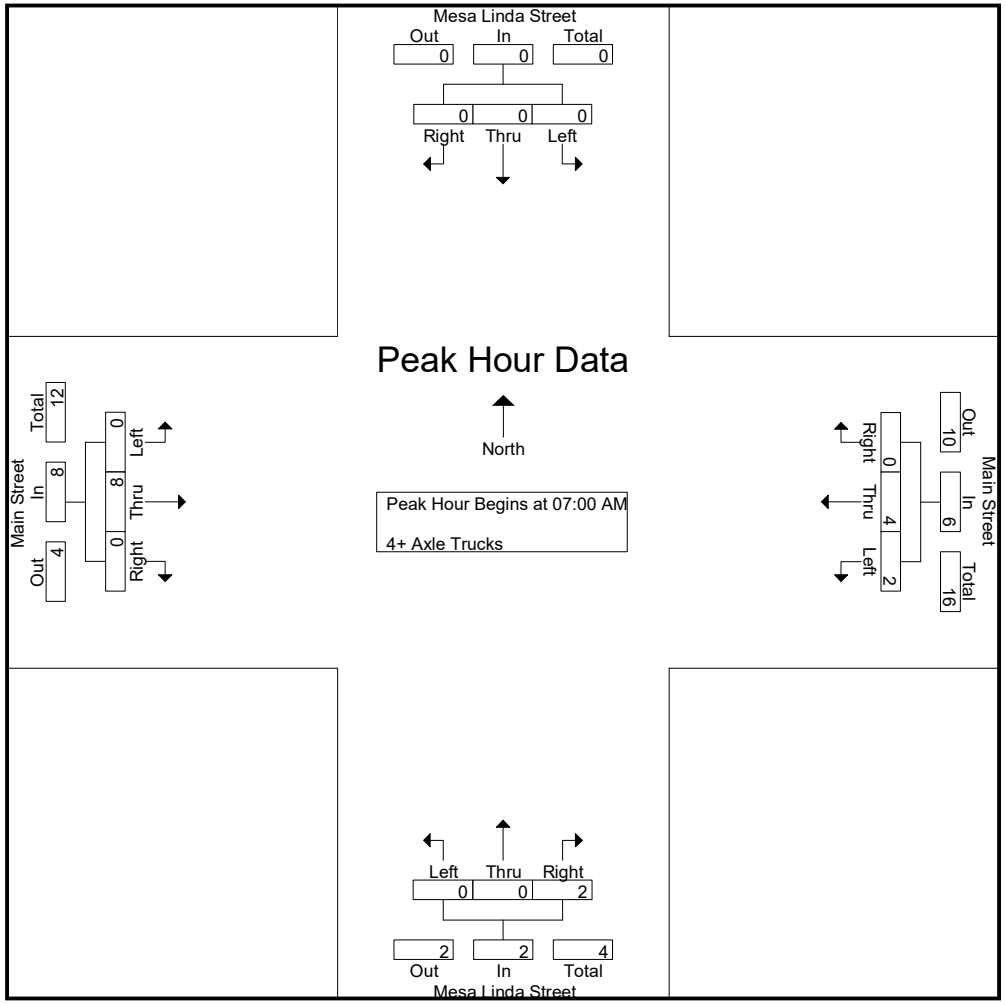
	Mesa Linda Street Southbound					Main Street Westbound					Mesa Linda Street Northbound					Main Street Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	3	0	0	3	0	4	4
07:15 AM	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	0	0	0	0	0	0	4	4
07:30 AM	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	2	0	0	2	0	4	4
07:45 AM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	3	0	0	3	0	4	4
Total	0	0	0	0	0	2	4	0	0	6	0	0	2	0	2	0	8	0	0	8	0	16	16
08:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	3	3
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1
08:30 AM	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	1	0	0	1	0	3	3
08:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	1	1	1	0	0	0	0	0	1	3	4
Total	0	0	0	0	0	1	4	0	0	5	0	0	1	1	1	0	4	0	0	4	1	10	11
Grand Total	0	0	0	0	0	3	8	0	0	11	0	0	3	1	3	0	12	0	0	12	1	26	27
Apprch %	0	0	0			27.3	72.7	0			0	0	100			0	100	0					
Total %	0	0	0		0	11.5	30.8	0		42.3	0	0	11.5		11.5	0	46.2	0		46.2	3.7	96.3	

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	0	0	0	0	0	0	0	0	0	**1**	**1**	0	**3**	0	**3**	**4**
07:15 AM	0	0	0	0	0	**3**	0	**3**	0	0	1	1	0	0	0	0	4
07:30 AM	0	0	0	0	**1**	1	0	2	0	0	0	0	0	2	0	2	4
07:45 AM	0	0	0	0	1	0	0	1	0	0	0	0	0	3	0	3	4
Total Volume	0	0	0	0	2	4	0	6	0	0	2	2	0	8	0	8	16
% App. Total	0	0	0		33.3	66.7	0		0	0	100		0	100	0		
PHF	.000	.000	.000	.000	.500	.333	.000	.500	.000	.000	.500	.500	.000	.667	.000	.667	1.00

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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main AM
Site Code : 05119658
Start Date : 9/28/2019
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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main AM
Site Code : 05119658
Start Date : 9/28/2019

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	07:00 AM				07:00 AM				07:00 AM				07:00 AM				
+0 mins.	0	0	0	0	0	0	0	0	0	0	**1**	**1**	0	**3**	0	**3**	
+15 mins.	0	0	0	0	0	**3**	0	**3**	0	0	1	1	0	0	0	0	
+30 mins.	0	0	0	0	**1**	1	0	2	0	0	0	0	0	2	0	2	
+45 mins.	0	0	0	0	1	0	0	1	0	0	0	0	0	3	0	3	
Total Volume	0	0	0	0	2	4	0	6	0	0	2	2	0	8	0	8	
% App. Total	0	0	0		33.3	66.7	0		0	0	100		0	100	0		
PHF	.000	.000	.000	.000	.500	.333	.000	.500	.000	.000	.500	.500	.000	.667	.000	.667	

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City of Hesperia
N/S: Mesa Linda Street
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File Name : 09_HES_Mesa Linda_Main PM
Site Code : 05119658
Start Date : 9/28/2019
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Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

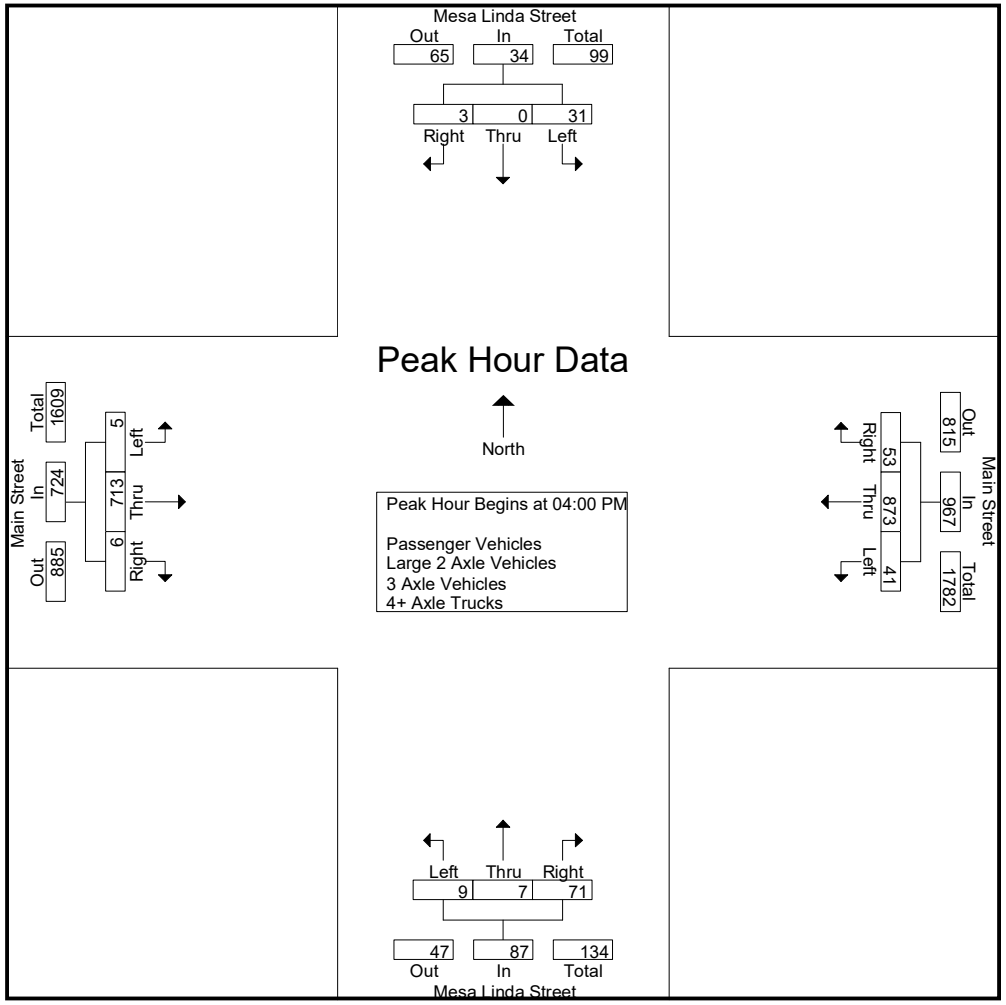
	Mesa Linda Street Southbound					Main Street Westbound					Mesa Linda Street Northbound					Main Street Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
04:00 PM	5	0	0	0	5	10	221	19	3	250	4	2	15	10	21	1	194	0	0	195	13	471	484
04:15 PM	8	0	2	2	10	9	232	10	1	251	0	0	14	13	14	2	177	2	0	181	16	456	472
04:30 PM	8	0	0	0	8	10	188	14	2	212	2	5	28	22	35	0	173	3	0	176	24	431	455
04:45 PM	10	0	1	0	11	12	232	10	2	254	3	0	14	12	17	2	169	1	1	172	15	454	469
Total	31	0	3	2	34	41	873	53	8	967	9	7	71	57	87	5	713	6	1	724	68	1812	1880
05:00 PM	7	0	3	3	10	7	226	11	2	244	6	0	15	11	21	2	181	2	0	185	16	460	476
05:15 PM	6	1	2	1	9	14	211	10	1	235	1	1	14	13	16	2	199	3	0	204	15	464	479
05:30 PM	3	0	0	0	3	7	219	10	0	236	1	2	23	20	26	1	159	4	0	164	20	429	449
05:45 PM	6	0	1	1	7	5	202	11	1	218	3	1	11	10	15	2	147	1	0	150	12	390	402
Total	22	1	6	5	29	33	858	42	4	933	11	4	63	54	78	7	686	10	0	703	63	1743	1806
Grand Total	53	1	9	7	63	74	1731	95	12	1900	20	11	134	111	165	12	1399	16	1	1427	131	3555	3686
Apprch %	84.1	1.6	14.3			3.9	91.1	5			12.1	6.7	81.2			0.8	98	1.1					
Total %	1.5	0	0.3		1.8	2.1	48.7	2.7		53.4	0.6	0.3	3.8		4.6	0.3	39.4	0.5		40.1	3.6	96.4	
Passenger Vehicles	53	1	9		70	68	1704	94		1878	19	11	126		261	12	1353	16		1382	0	0	3591
% Passenger Vehicles	100	100	100	100	100	91.9	98.4	98.9	100	98.2	95	100	94	94.6	94.6	100	96.7	100	100	96.8	0	0	97.4
Large 2 Axle Vehicles	0	0	0		0	1	14	1		16	1	0	1		3	0	31	0		31	0	0	50
% Large 2 Axle Vehicles	0	0	0	0	0	1.4	0.8	1.1	0	0.8	5	0	0.7	0.9	1.1	0	2.2	0	0	2.2	0	0	1.4
3 Axle Vehicles	0	0	0		0	2	3	0		5	0	0	2		4	0	0	0		0	0	0	9
% 3 Axle Vehicles	0	0	0	0	0	2.7	0.2	0	0	0.3	0	0	1.5	1.8	1.4	0	0	0	0	0	0	0	0.2
4+ Axle Trucks	0	0	0		0	3	10	0		13	0	0	5		8	0	15	0		15	0	0	36
% 4+ Axle Trucks	0	0	0	0	0	4.1	0.6	0	0	0.7	0	0	3.7	2.7	2.9	0	1.1	0	0	1.1	0	0	1

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	5	0	0	5	10	221	**19**	250	**4**	2	15	21	1	**194**	0	**195**	**471**
04:15 PM	8	0	**2**	10	9	**232**	10	251	0	0	14	14	**2**	177	2	181	456
04:30 PM	8	0	0	8	10	188	14	212	2	**5**	**28**	**35**	0	173	**3**	176	431
04:45 PM	**10**	0	1	**11**	**12**	232	10	**254**	3	0	14	17	2	169	1	172	454
Total Volume	31	0	3	34	41	873	53	967	9	7	71	87	5	713	6	724	1812
% App. Total	91.2	0	8.8		4.2	90.3	5.5		10.3	8	81.6		0.7	98.5	0.8		
PHF	.775	.000	.375	.773	.854	.941	.697	.952	.563	.350	.634	.621	.625	.919	.500	.928	.962

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City of Hesperia
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Site Code : 05119658
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Start Date : 9/28/2019

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	04:15 PM				04:45 PM				04:30 PM				04:30 PM				
+0 mins.	8	0	2	10	12	**232**	10	**254**	2	**5**	**28**	**35**	0	173	**3**	176	
+15 mins.	8	0	0	8	7	226	**11**	244	3	0	14	17	**2**	169	1	172	
+30 mins.	**10**	0	1	**11**	**14**	211	10	235	**6**	0	15	21	2	181	2	185	
+45 mins.	7	0	**3**	10	7	219	10	236	1	1	14	16	2	**199**	3	**204**	
Total Volume	33	0	6	39	40	888	41	969	12	6	71	89	6	722	9	737	
% App. Total	84.6	0	15.4		4.1	91.6	4.2		13.5	6.7	79.8		0.8	98	1.2		
PHF	.825	.000	.500	.886	.714	.957	.932	.954	.500	.300	.634	.636	.750	.907	.750	.903	

Counts Unlimited
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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 1

Groups Printed- Passenger Vehicles

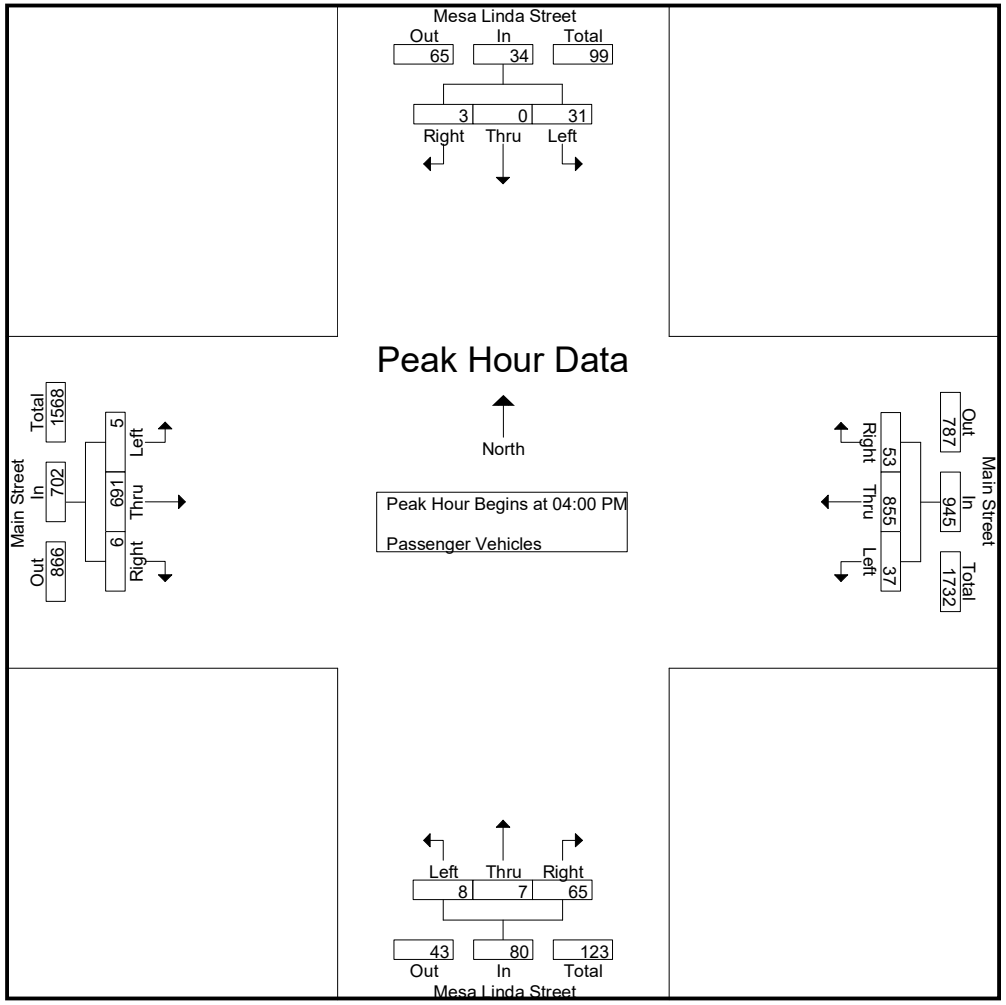
	Mesa Linda Street Southbound					Main Street Westbound					Mesa Linda Street Northbound					Main Street Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
04:00 PM	5	0	0	0	5	9	218	19	3	246	3	2	12	7	17	1	189	0	0	190	10	458	468
04:15 PM	8	0	2	2	10	7	226	10	1	243	0	0	12	11	12	2	173	2	0	177	14	442	456
04:30 PM	8	0	0	0	8	9	183	14	2	206	2	5	28	22	35	0	165	3	0	168	24	417	441
04:45 PM	10	0	1	0	11	12	228	10	2	250	3	0	13	12	16	2	164	1	1	167	15	444	459
Total	31	0	3	2	34	37	855	53	8	945	8	7	65	52	80	5	691	6	1	702	63	1761	1824
05:00 PM	7	0	3	3	10	6	222	10	2	238	6	0	15	11	21	2	174	2	0	178	16	447	463
05:15 PM	6	1	2	1	9	13	208	10	1	231	1	1	14	13	16	2	194	3	0	199	15	455	470
05:30 PM	3	0	0	0	3	7	219	10	0	236	1	2	21	19	24	1	154	4	0	159	19	422	441
05:45 PM	6	0	1	1	7	5	200	11	1	216	3	1	11	10	15	2	140	1	0	143	12	381	393
Total	22	1	6	5	29	31	849	41	4	921	11	4	61	53	76	7	662	10	0	679	62	1705	1767
Grand Total	53	1	9	7	63	68	1704	94	12	1866	19	11	126	105	156	12	1353	16	1	1381	125	3466	3591
Apprch %	84.1	1.6	14.3			3.6	91.3	5			12.2	7.1	80.8			0.9	98	1.2					
Total %	1.5	0	0.3		1.8	2	49.2	2.7		53.8	0.5	0.3	3.6		4.5	0.3	39	0.5		39.8	3.5	96.5	

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	5	0	0	5	9	218	**19**	246	**3**	2	12	17	1	**189**	0	**190**	**458**
04:15 PM	8	0	**2**	10	7	226	10	243	0	0	12	12	**2**	173	2	177	442
04:30 PM	8	0	0	8	9	183	14	206	2	**5**	**28**	**35**	0	165	**3**	168	417
04:45 PM	**10**	0	1	**11**	**12**	**228**	10	**250**	3	0	13	16	2	164	1	167	444
Total Volume	31	0	3	34	37	855	53	945	8	7	65	80	5	691	6	702	1761
% App. Total	91.2	0	8.8		3.9	90.5	5.6		10	8.8	81.2		0.7	98.4	0.9		
PHF	.775	.000	.375	.773	.771	.938	.697	.945	.667	.350	.580	.571	.625	.914	.500	.924	.961

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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 2



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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main PM
Site Code : 05119658
Start Date : 9/28/2019

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	04:00 PM				04:00 PM				04:00 PM				04:00 PM				
+0 mins.	5	0	0	5	9	218	**19**	246	**3**	2	12	17	1	**189**	0	**190**	
+15 mins.	8	0	**2**	10	7	226	10	243	0	0	12	12	**2**	173	2	177	
+30 mins.	8	0	0	8	9	183	14	206	2	**5**	**28**	**35**	0	165	**3**	168	
+45 mins.	**10**	0	1	**11**	**12**	**228**	10	**250**	3	0	13	16	2	164	1	167	
Total Volume	31	0	3	34	37	855	53	945	8	7	65	80	5	691	6	702	
% App. Total	91.2	0	8.8		3.9	90.5	5.6		10	8.8	81.2		0.7	98.4	0.9		
PHF	.775	.000	.375	.773	.771	.938	.697	.945	.667	.350	.580	.571	.625	.914	.500	.924	

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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 1

Groups Printed- Large 2 Axle Vehicles

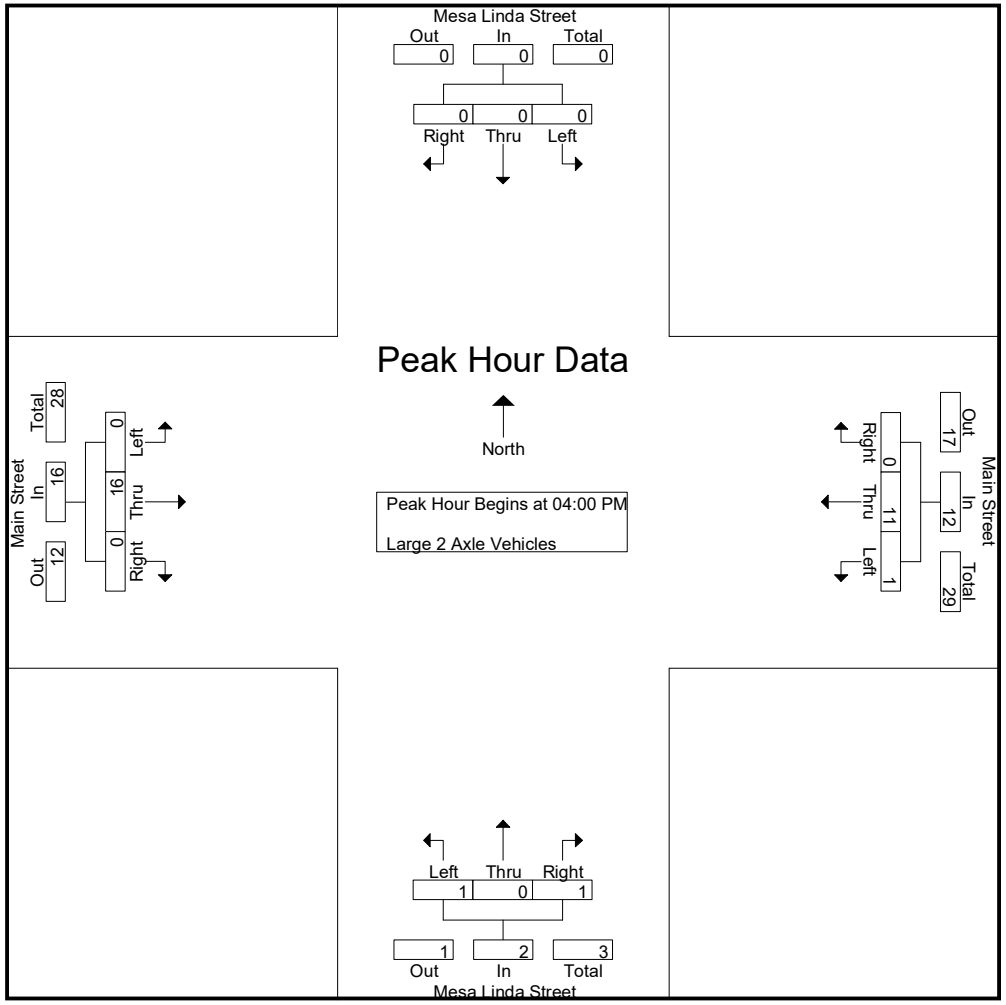
	Mesa Linda Street Southbound					Main Street Westbound					Mesa Linda Street Northbound					Main Street Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
04:00 PM	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	2	0	0	2	0	4	4
04:15 PM	0	0	0	0	0	0	4	0	0	4	0	0	1	1	1	0	3	0	0	3	1	8	9
04:30 PM	0	0	0	0	0	1	4	0	0	5	0	0	0	0	0	0	6	0	0	6	0	11	11
04:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	5	0	0	5	0	7	7
Total	0	0	0	0	0	1	11	0	0	12	1	0	1	1	2	0	16	0	0	16	1	30	31
05:00 PM	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	6	0	0	6	0	9	9
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	3	3
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	5	5
05:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	2	2
Total	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	15	0	0	15	0	19	19
Grand Total	0	0	0	0	0	1	14	1	0	16	1	0	1	1	2	0	31	0	0	31	1	49	50
Apprch %	0	0	0			6.2	87.5	6.2			50	0	50			0	100	0					
Total %	0	0	0		0	2	28.6	2		32.7	2	0	2		4.1	0	63.3	0		63.3	2	98	

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	0	0	0	0	1	0	1	**1**	0	0	**1**	0	2	0	2	4
04:15 PM	0	0	0	0	0	**4**	0	4	0	0	**1**	1	0	3	0	3	8
04:30 PM	0	0	0	0	**1**	4	0	**5**	0	0	0	0	0	**6**	0	**6**	**11**
04:45 PM	0	0	0	0	0	2	0	2	0	0	0	0	0	5	0	5	7
Total Volume	0	0	0	0	1	11	0	12	1	0	1	2	0	16	0	16	30
% App. Total	0	0	0		8.3	91.7	0		50	0	50		0	100	0		
PHF	.000	.000	.000	.000	.250	.688	.000	.600	.250	.000	.250	.500	.000	.667	.000	.667	.682

Counts Unlimited
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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 2



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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main PM
Site Code : 05119658
Start Date : 9/28/2019

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	04:00 PM				04:00 PM				04:00 PM				04:00 PM				
+0 mins.	0	0	0	0	0	1	0	1	**1**	0	0	**1**	0	2	0	2	
+15 mins.	0	0	0	0	0	**4**	0	4	0	0	**1**	1	0	3	0	3	
+30 mins.	0	0	0	0	**1**	4	0	**5**	0	0	0	0	0	**6**	0	**6**	
+45 mins.	0	0	0	0	0	2	0	2	0	0	0	0	0	5	0	5	
Total Volume	0	0	0	0	1	11	0	12	1	0	1	2	0	16	0	16	
% App. Total	0	0	0		8.3	91.7	0		50	0	50		0	100	0		
PHF	.000	.000	.000	.000	.250	.688	.000	.600	.250	.000	.250	.500	.000	.667	.000	.667	

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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 1

Groups Printed- 3 Axle Vehicles

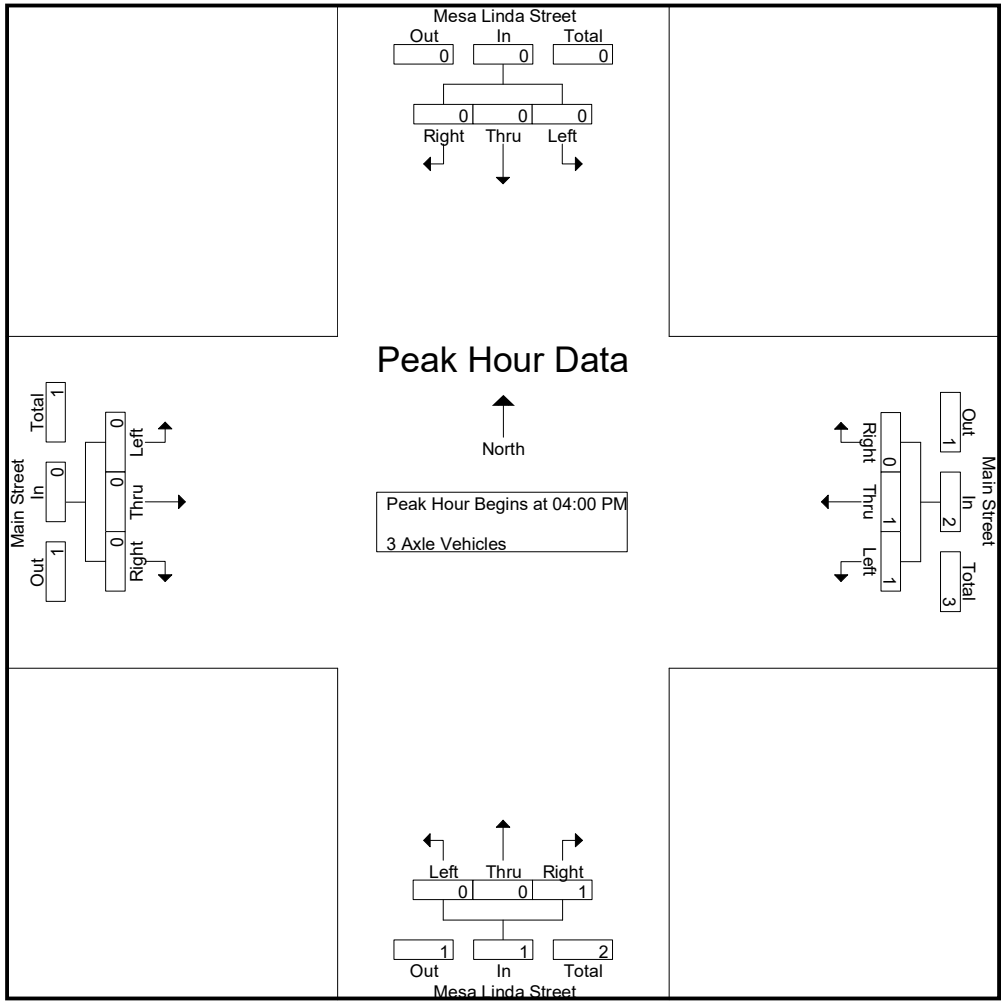
	Mesa Linda Street Southbound					Main Street Westbound					Mesa Linda Street Northbound					Main Street Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	2
04:15 PM	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	2
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	1	1	0	0	2	0	0	1	1	1	0	0	0	0	0	1	3	4
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	3
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	2
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	1	2	0	0	3	0	0	1	1	1	0	0	0	0	0	1	4	5
Grand Total	0	0	0	0	0	2	3	0	0	5	0	0	2	2	2	0	0	0	0	0	2	7	9
Apprch %	0	0	0			40	60	0			0	0	100			0	0	0					
Total %	0	0	0		0	28.6	42.9	0		71.4	0	0	28.6		28.6	0	0	0		0	22.2	77.8	

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	0	0	0	0	0	0	0	0	0	**1**	**1**	0	0	0	0	1
04:15 PM	0	0	0	0	**1**	**1**	0	**2**	0	0	0	0	0	0	0	0	**2**
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	1	1	0	2	0	0	1	1	0	0	0	0	3
% App. Total	0	0	0		50	50	0		0	0	100		0	0	0		
PHF	.000	.000	.000	.000	.250	.250	.000	.250	.000	.000	.250	.250	.000	.000	.000	.000	.375

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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 2



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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main PM
Site Code : 05119658
Start Date : 9/28/2019

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	04:00 PM				04:00 PM				04:00 PM				04:00 PM				
+0 mins.	0	0	0	0	0	0	0	0	0	0	**1**	**1**	0	0	0	0	
+15 mins.	0	0	0	0	**1**	**1**	0	**2**	0	0	0	0	0	0	0	0	
+30 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
+45 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Volume	0	0	0	0	1	1	0	2	0	0	1	1	0	0	0	0	
% App. Total	0	0	0		50	50	0		0	0	100		0	0	0		
PHF	.000	.000	.000	.000	.250	.250	.000	.250	.000	.000	.250	.250	.000	.000	.000	.000	

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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 1

Groups Printed- 4+ Axle Trucks

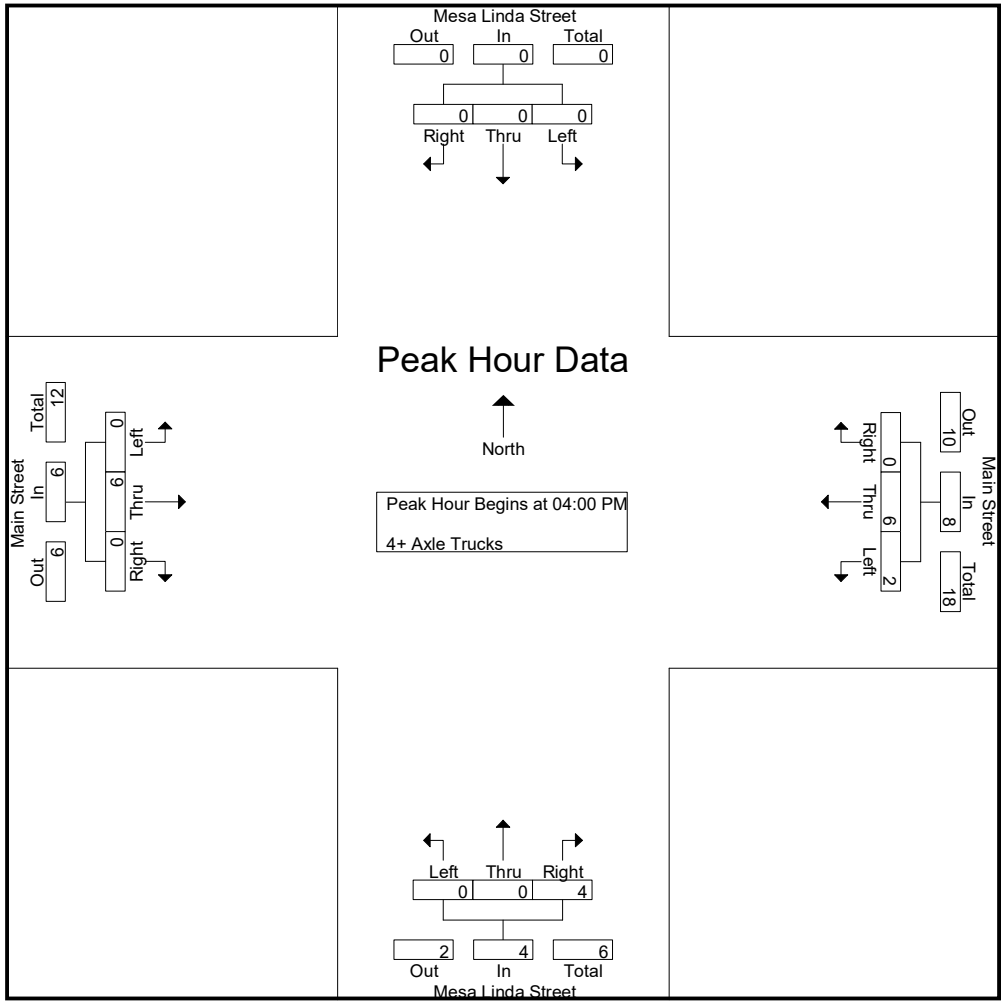
	Mesa Linda Street Southbound					Main Street Westbound					Mesa Linda Street Northbound					Main Street Eastbound							
Start Time	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Exclu. Total	Inclu. Total	Int. Total
04:00 PM	0	0	0	0	0	1	2	0	0	3	0	0	2	2	2	0	3	0	0	3	2	8	10
04:15 PM	0	0	0	0	0	1	1	0	0	2	0	0	1	1	1	0	1	0	0	1	1	4	5
04:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	3	3
04:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	0	3	3
Total	0	0	0	0	0	2	6	0	0	8	0	0	4	3	4	0	6	0	0	6	3	18	21
05:00 PM	0	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	1	0	0	1	0	4	4
05:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	3	3
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	1
05:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	6	0	0	6	0	7	7
Total	0	0	0	0	0	1	4	0	0	5	0	0	1	0	1	0	9	0	0	9	0	15	15
Grand Total	0	0	0	0	0	3	10	0	0	13	0	0	5	3	5	0	15	0	0	15	3	33	36
Apprch %	0	0	0			23.1	76.9	0			0	0	100			0	100	0			8.3	91.7	
Total %	0	0	0		0	9.1	30.3	0		39.4	0	0	15.2		15.2	0	45.5	0		45.5			

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	0	0	0	**1**	**2**	0	**3**	0	0	**2**	**2**	0	**3**	0	**3**	**8**
04:15 PM	0	0	0	0	1	1	0	2	0	0	1	1	0	1	0	1	4
04:30 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	2	3
04:45 PM	0	0	0	0	0	2	0	2	0	0	1	1	0	0	0	0	3
Total Volume	0	0	0	0	2	6	0	8	0	0	4	4	0	6	0	6	18
% App. Total	0	0	0		25	75	0		0	0	100		0	100	0		
PHF	.000	.000	.000	.000	.500	.750	.000	.667	.000	.000	.500	.500	.000	.500	.000	.500	.563

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City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main PM
Site Code : 05119658
Start Date : 9/28/2019
Page No : 2



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PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Hesperia
N/S: Mesa Linda Street
E/W: Main Street
Weather: Clear

File Name : 09_HES_Mesa Linda_Main PM
Site Code : 05119658
Start Date : 9/28/2019

	Mesa Linda Street Southbound				Main Street Westbound				Mesa Linda Street Northbound				Main Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	04:00 PM				04:00 PM				04:00 PM				04:00 PM				
+0 mins.	0	0	0	0	**1**	**2**	0	**3**	0	0	**2**	**2**	0	**3**	0	**3**	
+15 mins.	0	0	0	0	1	1	0	2	0	0	1	1	0	1	0	1	
+30 mins.	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	2	
+45 mins.	0	0	0	0	0	2	0	2	0	0	1	1	0	0	0	0	
Total Volume	0	0	0	0	2	6	0	8	0	0	4	4	0	6	0	6	
% App. Total	0	0	0		25	75	0		0	0	100		0	100	0		
PHF	.000	.000	.000	.000	.500	.750	.000	.667	.000	.000	.500	.500	.000	.500	.000	.500	

Location: Hesperia
N/S: Mesa Linda Street
E/W: Main Street

Date: 9/28/2019
Day: Saturday

PEDESTRIANS

	North Leg Mesa Linda Street	East Leg Main Street	South Leg Mesa Linda Street	West Leg Main Street	
	Pedestrians	Pedestrians	Pedestrians	Pedestrians	
7:00 AM	0	0	0	0	0
7:15 AM	0	0	0	0	0
7:30 AM	0	0	0	0	0
7:45 AM	0	0	0	0	0
8:00 AM	0	0	0	0	0
8:15 AM	0	1	0	0	1
8:30 AM	0	0	0	0	0
8:45 AM	0	1	1	0	2
TOTAL VOLUMES:	0	2	1	0	3

	North Leg Mesa Linda Street	East Leg Main Street	South Leg Mesa Linda Street	West Leg Main Street	
	Pedestrians	Pedestrians	Pedestrians	Pedestrians	
4:00 PM	0	0	0	0	0
4:15 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0
4:45 PM	0	0	0	0	0
5:00 PM	0	0	0	0	0
5:15 PM	0	0	0	0	0
5:30 PM	0	0	0	0	0
5:45 PM	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0

Location: Hesperia
N/S: Mesa Linda Street
E/W: Main Street

Date: 9/28/2019
Day: Saturday

BICYCLES

	Southbound Mesa Linda Street			Westbound Main Street			Northbound Mesa Linda Street			Eastbound Main Street			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

	Southbound Mesa Linda Street			Westbound Main Street			Northbound Mesa Linda Street			Eastbound Main Street			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
951-268-6268

Location: Hesperia
N/S: US-395
E/W: Poplar Street

Date: 7/14/2021
Day: Wednesday

Total Volume

	US-395 Northbound			US-395 Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	145	3	3	235	0	0	0	0	0	0	1	387
7:15 AM	0	184	2	6	264	0	0	0	0	0	0	1	457
7:30 AM	0	175	3	10	201	0	0	0	0	0	0	2	391
7:45 AM	0	161	0	11	211	0	0	0	0	1	4	0	388
8:00 AM	0	137	2	3	199	0	0	0	0	1	0	1	343
8:15 AM	0	135	4	2	207	0	0	0	0	4	0	3	355
8:30 AM	0	133	9	3	218	0	0	0	0	0	0	0	363
8:45 AM	0	159	2	6	162	0	0	0	0	2	0	2	333
TOTAL VOLUMES:	0	1229	25	44	1697	0	0	0	0	8	4	10	3017

AM Peak Hr Begins at: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	665	8	30	911	0	0	0	0	1	4	4	1623

PEAK HR FACTOR:	0.905	0.871	0.000	0.450	0.888

	US-395 Northbound			US-395 Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	225	4	1	174	0	0	0	0	1	0	6	411
4:15 PM	0	238	4	6	197	0	0	0	0	0	0	3	448
4:30 PM	0	233	8	3	163	0	0	0	0	1	0	1	409
4:45 PM	0	260	11	0	188	0	0	0	0	2	0	2	463
5:00 PM	0	255	11	1	188	0	0	0	0	0	0	3	458
5:15 PM	0	264	7	2	155	0	0	0	0	2	0	4	434
5:30 PM	0	290	3	2	152	0	0	0	0	0	0	6	453
5:45 PM	0	256	8	5	142	0	0	0	0	2	0	6	419
TOTAL VOLUMES:	0	2021	56	20	1359	0	0	0	0	8	0	31	3495

PM Peak Hr Begins at: 445 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	1069	32	5	683	0	0	0	0	4	0	15	1808

PEAK HR FACTOR:	0.939	0.910	0.000	0.792	0.976

Location: Hesperia
N/S: US-395
E/W: Poplar Street

Date: 7/14/2021
Day: Wednesday

Passenger Vehicles

	US-395 Northbound			US-395 Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	123	3	2	209	0	0	0	0	0	0	1	338
7:15 AM	0	157	2	6	238	0	0	0	0	0	0	1	404
7:30 AM	0	156	3	7	179	0	0	0	0	0	0	2	347
7:45 AM	0	139	0	10	189	0	0	0	0	1	0	0	339
8:00 AM	0	122	2	2	181	0	0	0	0	1	0	1	309
8:15 AM	0	120	3	2	188	0	0	0	0	2	0	2	317
8:30 AM	0	119	8	3	197	0	0	0	0	0	0	0	327
8:45 AM	0	140	2	5	144	0	0	0	0	2	0	2	295
TOTAL VOLUMES:	0	1076	23	37	1525	0	0	0	0	6	0	9	2676

AM Peak Hr Begins at: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	575	8	25	815	0	0	0	0	1	0	4	1428

PEAK HR FACTOR:	0.917	0.861	0.000	0.625	0.884

	US-395 Northbound			US-395 Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	211	4	1	152	0	0	0	0	1	0	4	373
4:15 PM	0	219	4	2	176	0	0	0	0	0	0	3	404
4:30 PM	0	217	7	3	152	0	0	0	0	1	0	0	380
4:45 PM	0	249	10	0	164	0	0	0	0	2	0	2	427
5:00 PM	0	233	11	0	172	0	0	0	0	0	0	3	419
5:15 PM	0	252	7	2	140	0	0	0	0	2	0	3	406
5:30 PM	0	283	3	2	126	0	0	0	0	0	0	6	420
5:45 PM	0	237	8	2	127	0	0	0	0	2	0	5	381
TOTAL VOLUMES:	0	1901	54	12	1209	0	0	0	0	8	0	26	3210

PM Peak Hr Begins at: 445 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	1017	31	4	602	0	0	0	0	4	0	14	1672

PEAK HR FACTOR:	0.916	0.881	0.000	0.750	0.979

Location: Hesperia
N/S: US-395
E/W: Poplar Street

Date: 7/14/2021
Day: Wednesday

Large 2 Axle Vehicles

	US-395 Northbound			US-395 Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	6	0	0	2	0	0	0	0	0	0	0	8
7:15 AM	0	10	0	0	3	0	0	0	0	0	0	0	13
7:30 AM	0	5	0	0	0	0	0	0	0	0	0	0	5
7:45 AM	0	3	0	0	3	0	0	0	0	0	0	0	6
8:00 AM	0	5	0	0	2	0	0	0	0	0	0	0	7
8:15 AM	0	5	1	0	4	0	0	0	0	1	0	0	11
8:30 AM	0	3	0	0	1	0	0	0	0	0	0	0	4
8:45 AM	0	4	0	0	1	0	0	0	0	0	0	0	5
TOTAL VOLUMES:	0	41	1	0	16	0	0	0	0	1	0	0	59

AM Peak Hr Begins at: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	24	0	0	8	0	0	0	0	0	0	0	32

PEAK HR FACTOR:	0.600	0.667	0.000	0.000	0.615

	US-395 Northbound			US-395 Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	1	0	0	6	0	0	0	0	0	0	1	8
4:15 PM	0	2	0	0	4	0	0	0	0	0	0	0	6
4:30 PM	0	5	0	0	0	0	0	0	0	0	0	0	5
4:45 PM	0	0	0	0	3	0	0	0	0	0	0	0	3
5:00 PM	0	7	0	0	0	0	0	0	0	0	0	0	7
5:15 PM	0	0	0	0	4	0	0	0	0	0	0	0	4
5:30 PM	0	0	0	0	5	0	0	0	0	0	0	0	5
5:45 PM	0	4	0	0	1	0	0	0	0	0	0	0	5
TOTAL VOLUMES:	0	19	0	0	23	0	0	0	0	0	0	1	43

PM Peak Hr Begins at: 445 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	8	0	0	13	0	0	0	0	0	0	1	22

PEAK HR FACTOR:	0.400	0.542	0.000	0.250	0.688

Location: Hesperia
N/S: US-395
E/W: Poplar Street

Date: 7/14/2021
Day: Wednesday

3 Axle Vehicles

	US-395 Northbound			US-395 Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	1
7:15 AM	0	1	0	0	2	0	0	0	0	0	0	0	3
7:30 AM	0	2	0	2	0	0	0	0	0	0	0	0	4
7:45 AM	0	1	0	1	1	0	0	0	0	0	4	0	7
8:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
8:15 AM	0	1	0	0	2	0	0	0	0	0	0	1	4
8:30 AM	0	2	0	0	1	0	0	0	0	0	0	0	3
8:45 AM	0	1	0	0	2	0	0	0	0	0	0	0	3
TOTAL VOLUMES:	0	8	0	4	9	0	0	0	0	0	4	1	26

AM Peak Hr Begins at: 730 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	4	0	3	4	0	0	0	0	0	4	1	16

PEAK HR FACTOR:	0.500	0.875	0.000	0.313	0.571

	US-395 Northbound			US-395 Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
4:15 PM	0	3	0	0	2	0	0	0	0	0	0	0	5
4:30 PM	0	1	0	0	1	0	0	0	0	0	0	1	3
4:45 PM	0	2	0	0	1	0	0	0	0	0	0	0	3
5:00 PM	0	0	0	1	1	0	0	0	0	0	0	0	2
5:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
5:45 PM	0	3	0	1	3	0	0	0	0	0	0	0	7
TOTAL VOLUMES:	0	11	0	2	9	0	0	0	0	0	0	1	23

PM Peak Hr Begins at: 415 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	6	0	1	5	0	0	0	0	0	0	1	13

PEAK HR FACTOR:	0.500	0.750	0.000	0.250	0.650

Location: Hesperia
N/S: US-395
E/W: Poplar Street

Date: 7/14/2021
Day: Wednesday

4+ Axle Trucks

	US-395 Northbound			US-395 Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	16	0	0	24	0	0	0	0	0	0	0	40
7:15 AM	0	16	0	0	21	0	0	0	0	0	0	0	37
7:30 AM	0	12	0	1	22	0	0	0	0	0	0	0	35
7:45 AM	0	18	0	0	18	0	0	0	0	0	0	0	36
8:00 AM	0	10	0	1	15	0	0	0	0	0	0	0	26
8:15 AM	0	9	0	0	13	0	0	0	0	1	0	0	23
8:30 AM	0	9	1	0	19	0	0	0	0	0	0	0	29
8:45 AM	0	14	0	1	15	0	0	0	0	0	0	0	30
TOTAL VOLUMES:	0	104	1	3	147	0	0	0	0	1	0	0	256

AM Peak Hr Begins at: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	62	0	1	85	0	0	0	0	0	0	0	148

PEAK HR FACTOR:	0.861	0.896	0.000	0.000	0.925

	US-395 Northbound			US-395 Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	12	0	0	16	0	0	0	0	0	0	1	29
4:15 PM	0	14	0	4	15	0	0	0	0	0	0	0	33
4:30 PM	0	10	1	0	10	0	0	0	0	0	0	0	21
4:45 PM	0	9	1	0	20	0	0	0	0	0	0	0	30
5:00 PM	0	15	0	0	15	0	0	0	0	0	0	0	30
5:15 PM	0	11	0	0	11	0	0	0	0	0	0	1	23
5:30 PM	0	7	0	0	20	0	0	0	0	0	0	0	27
5:45 PM	0	12	0	2	11	0	0	0	0	0	0	1	26
TOTAL VOLUMES:	0	90	2	6	118	0	0	0	0	0	0	3	219

PM Peak Hr Begins at: 415 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	48	2	4	60	0	0	0	0	0	0	0	114

PEAK HR FACTOR:	0.833	0.800	0.000	0.000	0.864

Location: Hesperia
N/S: US-395
E/W: Poplar Street

Date: 7/14/2021
Date: Wednesday

PEDESTRIANS

	North Leg US-395 Pedestrians	South Leg US-395 Pedestrians	East Leg Poplar Street Pedestrians	West Leg Poplar Street Pedestrians	
7:00 AM	0	0	0	0	0
7:15 AM	0	0	0	0	0
7:30 AM	0	0	0	0	0
7:45 AM	0	0	0	0	0
8:00 AM	0	0	0	0	0
8:15 AM	0	0	0	0	0
8:30 AM	0	0	0	0	0
8:45 AM	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0

AM Total Volume Peak Hr Begins At: 700 AM

	North Leg	South Leg	East Leg	West Leg	TOTAL
PEAK VOLUMES:	0	0	0	0	0

	North Leg US-395 Pedestrians	South Leg US-395 Pedestrians	East Leg Poplar Street Pedestrians	West Leg Poplar Street Pedestrians	
4:00 PM	0	0	0	0	0
4:15 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0
4:45 PM	0	0	0	0	0
5:00 PM	0	0	0	0	0
5:15 PM	0	0	0	0	0
5:30 PM	0	0	0	0	0
5:45 PM	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0

PM Total Volume Peak Hr Begins At: 415 PM

	North Leg	South Leg	East Leg	West Leg	TOTAL
PEAK VOLUMES:	0	0	0	0	0

Location: Hesperia
N/S: US-395
E/W: Poplar Street

Date: 7/14/2021
Date: Wednesday

BICYCLES

	Northbound US-395			Southbound US-395			Eastbound Poplar Street			Westbound Poplar Street			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

AM Total Volume Peak Hr Begins At: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

	Northbound US-395			Southbound US-395			Eastbound Poplar Street			Westbound Poplar Street			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

PM Total Volume Peak Hr Begins At: 445 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

Location: Hesperia
N/S: Lassen Road
E/W: Poplar Street

Date: 7/14/2021
Day: Wednesday

Total Volume

	Lassen Road Northbound			Lassen Road Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	1	0	3	0	0	0	0	1	1	4	1	0	11
7:15 AM	2	0	4	0	0	0	0	2	4	4	3	0	19
7:30 AM	0	0	1	0	0	0	0	2	9	13	2	0	27
7:45 AM	2	0	3	0	0	0	0	1	6	12	2	0	26
8:00 AM	1	0	1	0	0	0	0	1	4	11	0	0	18
8:15 AM	5	0	6	0	0	0	0	2	4	17	2	0	36
8:30 AM	1	0	4	0	0	2	0	6	5	10	0	0	28
8:45 AM	2	0	5	0	0	0	0	1	5	3	1	0	17
TOTAL VOLUMES:	14	0	27	0	0	2	0	16	38	74	11	0	182

AM Peak Hr Begins at: 745 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	9	0	14	0	0	2	0	10	19	50	4	0	108

PEAK HR FACTOR:	0.523	0.250	0.659	0.711	0.750

	Lassen Road Northbound			Lassen Road Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	5	0	12	0	0	0	0	4	1	6	1	0	29
4:15 PM	3	0	12	0	0	0	0	4	6	7	0	0	32
4:30 PM	1	0	15	0	0	0	0	8	3	7	2	0	36
4:45 PM	2	0	10	0	0	0	0	13	1	2	4	0	32
5:00 PM	3	0	18	0	0	0	0	7	3	7	0	0	38
5:15 PM	5	0	12	0	0	0	0	7	0	5	1	0	30
5:30 PM	5	0	20	0	0	0	0	4	1	7	2	0	39
5:45 PM	3	0	10	0	0	0	0	9	4	6	2	0	34
TOTAL VOLUMES:	27	0	109	0	0	0	0	56	19	47	12	0	270

PM Peak Hr Begins at: 500 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	16	0	60	0	0	0	0	27	8	25	5	0	141

PEAK HR FACTOR:	0.760	0.000	0.673	0.833	0.904

Location: Hesperia
N/S: Lassen Road
E/W: Poplar Street

Date: 7/14/2021
Day: Wednesday

Passenger Vehicles

	Lassen Road Northbound			Lassen Road Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	1	0	3	0	0	0	0	1	1	4	1	0	11
7:15 AM	1	0	4	0	0	0	0	2	4	4	3	0	18
7:30 AM	0	0	0	0	0	0	0	2	6	11	2	0	21
7:45 AM	0	0	3	0	0	0	0	1	6	12	2	0	24
8:00 AM	1	0	0	0	0	0	0	1	2	11	0	0	15
8:15 AM	4	0	5	0	0	0	0	2	4	16	2	0	33
8:30 AM	1	0	2	0	0	2	0	6	3	8	0	0	22
8:45 AM	2	0	5	0	0	0	0	1	4	3	1	0	16
TOTAL VOLUMES:	10	0	22	0	0	2	0	16	30	69	11	0	160

AM Peak Hr Begins at: 745 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	6	0	10	0	0	2	0	10	15	47	4	0	94

PEAK HR FACTOR:	0.444	0.250	0.694	0.708	0.712

	Lassen Road Northbound			Lassen Road Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	3	0	11	0	0	0	0	4	1	5	0	0	24
4:15 PM	3	0	9	0	0	0	0	4	3	7	0	0	26
4:30 PM	0	0	13	0	0	0	0	6	3	5	2	0	29
4:45 PM	2	0	10	0	0	0	0	13	0	2	4	0	31
5:00 PM	3	0	17	0	0	0	0	7	2	6	0	0	35
5:15 PM	4	0	9	0	0	0	0	7	0	3	1	0	24
5:30 PM	5	0	19	0	0	0	0	4	1	7	2	0	38
5:45 PM	2	0	9	0	0	0	0	9	1	5	2	0	28
TOTAL VOLUMES:	22	0	97	0	0	0	0	54	11	40	11	0	235

PM Peak Hr Begins at: 445 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	14	0	55	0	0	0	0	31	3	18	7	0	128

PEAK HR FACTOR:	0.719	0.000	0.654	0.694	0.842

Location: Hesperia
N/S: Lassen Road
E/W: Poplar Street

Date: 7/14/2021
Day: Wednesday

Large 2 Axle Vehicles

	Lassen Road Northbound			Lassen Road Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	1	0	0	0	1
8:15 AM	0	0	1	0	0	0	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	1	0	0	0	0	0	1	0	0	0	2

AM Peak Hr Begins at: 730 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	1	0	0	0	0	0	1	0	0	0	2

PEAK HR FACTOR:	0.250	0.000	0.250	0.000	0.500

	Lassen Road Northbound			Lassen Road Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	1	0	0	0	0	0	0	0	0	0	0	0	1
4:15 PM	0	0	1	0	0	0	0	0	0	0	0	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	1	0	1	0	0	0	0	0	0	0	0	0	2

PM Peak Hr Begins at: 400 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	1	0	1	0	0	0	0	0	0	0	0	0	2

PEAK HR FACTOR:	0.500	0.000	0.000	0.000	0.500

Location: Hesperia
N/S: Lassen Road
E/W: Poplar Street

Date: 7/14/2021
Day: Wednesday

3 Axle Vehicles

	Lassen Road Northbound			Lassen Road Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	2	2	0	0	4
7:45 AM	2	0	0	0	0	0	0	0	0	0	0	0	2
8:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	1	0	0	1
8:30 AM	0	0	2	0	0	0	0	0	0	0	0	0	2
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	2	0	3	0	0	0	0	0	2	3	0	0	10

AM Peak Hr Begins at: AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	2	0	1	0	0	0	0	0	2	3	0	0	8

PEAK HR FACTOR:	0.375	0.000	0.250	0.375	0.500

	Lassen Road Northbound			Lassen Road Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	0	1	0	0	0	0	0	0	0	0	0	1
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	1	0	1	0	0	0	0	0	0	1	0	0	3
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	1	1	0	0	2
5:15 PM	0	0	1	0	0	0	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	1	1	0	0	2
TOTAL VOLUMES:	1	0	3	0	0	0	0	0	2	3	0	0	9

PM Peak Hr Begins at: 430 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	1	0	2	0	0	0	0	0	1	2	0	0	6

PEAK HR FACTOR:	0.375	0.000	0.250	0.500	0.500

Location: Hesperia
N/S: Lassen Road
E/W: Poplar Street

Date: 7/14/2021
Day: Wednesday

4+ Axle Trucks

	Lassen Road Northbound			Lassen Road Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	1	0	0	0	0	0	0	0	0	0	0	0	1
7:30 AM	0	0	1	0	0	0	0	0	1	0	0	0	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	1	0	0	0	1
8:15 AM	1	0	0	0	0	0	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	2	2	0	0	4
8:45 AM	0	0	0	0	0	0	0	0	1	0	0	0	1
TOTAL VOLUMES:	2	0	1	0	0	0	0	0	5	2	0	0	10

AM Peak Hr Begins at: 745 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	1	0	0	0	0	0	0	0	4	2	0	0	7

PEAK HR FACTOR:	0.250	0.000	0.500	0.250	0.438

	Lassen Road Northbound			Lassen Road Southbound			Poplar Street Eastbound			Poplar Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	1	0	0	0	0	0	0	0	0	1	1	0	3
4:15 PM	0	0	2	0	0	0	0	0	3	0	0	0	5
4:30 PM	0	0	1	0	0	0	0	2	0	1	0	0	4
4:45 PM	0	0	0	0	0	0	0	0	1	0	0	0	1
5:00 PM	0	0	1	0	0	0	0	0	0	0	0	0	1
5:15 PM	1	0	2	0	0	0	0	0	0	2	0	0	5
5:30 PM	0	0	1	0	0	0	0	0	0	0	0	0	1
5:45 PM	1	0	1	0	0	0	0	0	2	0	0	0	4
TOTAL VOLUMES:	3	0	8	0	0	0	0	2	6	4	1	0	24

PM Peak Hr Begins at: 400 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	1	0	3	0	0	0	0	2	4	2	1	0	13

PEAK HR FACTOR:	0.500	0.000	0.500	0.375	0.650

Location: Hesperia
N/S: Lassen Road
E/W: Poplar Street

Date: 7/14/2021
Date: Wednesday

PEDESTRIANS

	North Leg Lassen Road Pedestrians	South Leg Lassen Road Pedestrians	East Leg Poplar Street Pedestrians	West Leg Poplar Street Pedestrians	
7:00 AM	0	0	0	0	0
7:15 AM	0	0	0	0	0
7:30 AM	0	0	0	0	0
7:45 AM	0	0	0	0	0
8:00 AM	0	0	0	0	0
8:15 AM	0	0	0	0	0
8:30 AM	0	0	0	0	0
8:45 AM	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0

AM Total Volume Peak Hr Begins At: 700 AM

	North Leg	South Leg	East Leg	West Leg	TOTAL
PEAK VOLUMES:	0	0	0	0	0

	North Leg Lassen Road Pedestrians	South Leg Lassen Road Pedestrians	East Leg Poplar Street Pedestrians	West Leg Poplar Street Pedestrians	
4:00 PM	0	0	0	0	0
4:15 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0
4:45 PM	0	0	0	0	0
5:00 PM	0	0	0	0	0
5:15 PM	0	0	0	0	0
5:30 PM	0	0	0	0	0
5:45 PM	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0

PM Total Volume Peak Hr Begins At: 1600 PM

	North Leg	South Leg	East Leg	West Leg	TOTAL
PEAK VOLUMES:	0	0	0	0	0

Location: Hesperia
N/S: Lassen Road
E/W: Poplar Street

Date: 7/14/2021
Date: Wednesday

BICYCLES

	Northbound Lassen Road			Southbound Lassen Road			Eastbound Poplar Street			Westbound Poplar Street			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

AM Total Volume Peak Hr Begins At: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

	Northbound Lassen Road			Southbound Lassen Road			Eastbound Poplar Street			Westbound Poplar Street			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

PM Total Volume Peak Hr Begins At: 400 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

Location: Hesperia
N/S: US-395
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

Total Volume

	US-395 Northbound			US-395 Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	1	155	6	11	233	3	4	4	0	8	7	11	443
7:15 AM	1	154	11	9	253	3	5	7	3	20	2	14	482
7:30 AM	1	160	11	18	189	6	1	4	1	18	3	20	432
7:45 AM	0	163	7	10	193	4	3	6	0	18	3	11	418
8:00 AM	1	132	12	21	201	3	2	3	2	13	6	18	414
8:15 AM	0	126	8	11	202	4	1	5	2	22	6	14	401
8:30 AM	4	147	9	21	207	4	3	4	1	20	0	17	437
8:45 AM	2	147	6	13	157	1	2	7	0	21	3	13	372
TOTAL VOLUMES:	10	1184	70	114	1635	28	21	40	9	140	30	118	3399

AM Peak Hr Begins at: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	3	632	35	48	868	16	13	21	4	64	15	56	1775

PEAK HR FACTOR:	0.974	0.879	0.633	0.823	0.921

	US-395 Northbound			US-395 Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	7	232	16	14	190	10	5	11	1	14	6	6	512
4:15 PM	5	228	18	16	162	9	5	14	0	24	8	20	509
4:30 PM	6	211	13	14	178	1	14	12	2	18	3	20	492
4:45 PM	2	254	13	14	167	5	9	11	1	14	3	17	510
5:00 PM	5	253	14	15	194	3	12	8	0	14	3	19	540
5:15 PM	5	265	21	16	141	2	5	15	1	19	2	20	512
5:30 PM	3	271	14	11	145	2	24	12	1	14	1	17	515
5:45 PM	3	248	12	17	157	3	4	6	1	12	1	20	484
TOTAL VOLUMES:	36	1962	121	117	1334	35	78	89	7	129	27	139	4074

PM Peak Hr Begins at: 445 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	15	1043	62	56	647	12	50	46	3	61	9	73	2077

PEAK HR FACTOR:	0.962	0.843	0.669	0.872	0.962

Location: Hesperia
N/S: US-395
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

Passenger Vehicles

	US-395 Northbound			US-395 Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	133	6	5	204	3	3	4	0	6	6	8	378
7:15 AM	1	134	10	5	225	3	4	7	2	13	2	8	414
7:30 AM	1	138	11	11	155	6	1	3	0	14	3	20	363
7:45 AM	0	139	7	7	168	3	3	6	0	15	3	6	357
8:00 AM	1	117	9	16	177	3	2	3	2	12	3	13	358
8:15 AM	0	117	8	8	175	3	0	5	1	20	5	10	352
8:30 AM	2	129	8	15	179	4	3	4	1	20	0	12	377
8:45 AM	2	126	5	8	130	1	2	7	0	19	3	12	315
TOTAL VOLUMES:	7	1033	64	75	1413	26	18	39	6	119	25	89	2914

AM Peak Hr Begins at: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	2	544	34	28	752	15	11	20	2	48	14	42	1512

PEAK HR FACTOR:	0.967	0.853	0.635	0.703	0.913

	US-395 Northbound			US-395 Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	6	213	11	8	164	9	5	11	1	14	6	3	451
4:15 PM	5	208	12	11	141	8	5	14	0	20	8	12	444
4:30 PM	5	194	11	6	156	1	14	12	2	17	3	16	437
4:45 PM	1	238	13	9	143	5	9	11	1	13	3	12	458
5:00 PM	5	227	12	13	165	3	12	7	0	13	3	13	473
5:15 PM	5	245	17	10	122	2	5	15	1	17	2	16	457
5:30 PM	2	256	13	7	119	2	24	12	1	12	1	13	462
5:45 PM	3	228	11	13	134	3	4	6	1	10	1	15	429
TOTAL VOLUMES:	32	1809	100	77	1144	33	78	88	7	116	27	100	3611

PM Peak Hr Begins at: 445 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	13	966	55	39	549	12	50	45	3	55	9	54	1850

PEAK HR FACTOR:	0.954	0.829	0.662	0.843	0.978

Location: Hesperia
N/S: US-395
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

Large 2 Axle Vehicles

	US-395 Northbound			US-395 Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	1	6	0	0	3	0	1	0	0	0	0	2	13
7:15 AM	0	8	0	0	2	0	1	0	0	1	0	0	12
7:30 AM	0	6	0	0	0	0	0	0	0	1	0	0	7
7:45 AM	0	2	0	0	1	1	0	0	0	1	0	0	5
8:00 AM	0	5	0	0	0	0	0	0	0	1	1	0	7
8:15 AM	0	2	0	0	5	0	1	0	0	1	0	0	9
8:30 AM	1	2	0	0	1	0	0	0	0	0	0	0	4
8:45 AM	0	4	0	0	1	0	0	0	0	1	0	0	6
TOTAL VOLUMES:	2	35	0	0	13	1	3	0	0	6	1	2	63

AM Peak Hr Begins at: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	1	22	0	0	6	1	2	0	0	3	0	2	37

PEAK HR FACTOR:	0.719	0.583	0.500	0.625	0.712

	US-395 Northbound			US-395 Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	2	3	0	5	0	0	0	0	0	0	0	10
4:15 PM	0	0	0	1	3	0	0	0	0	0	0	2	6
4:30 PM	0	1	0	1	2	0	0	0	0	0	0	1	5
4:45 PM	0	0	0	0	3	0	0	0	0	1	0	0	4
5:00 PM	0	4	0	0	1	0	0	0	0	1	0	3	9
5:15 PM	0	0	0	1	3	0	0	0	0	1	0	0	5
5:30 PM	0	1	0	0	4	0	0	0	0	0	0	1	6
5:45 PM	0	2	0	0	1	0	0	0	0	1	0	0	4
TOTAL VOLUMES:	0	10	3	3	22	0	0	0	0	4	0	7	49

PM Peak Hr Begins at: 400 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	3	3	2	13	0	0	0	0	1	0	3	25

PEAK HR FACTOR:	0.300	0.750	0.000	0.500	0.625

Location: Hesperia
N/S: US-395
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

3 Axle Vehicles

	US-395 Northbound			US-395 Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	2
7:30 AM	0	2	0	0	0	0	0	1	0	0	0	0	3
7:45 AM	0	2	0	1	1	0	0	0	0	0	0	0	4
8:00 AM	0	0	0	1	0	0	0	0	0	0	1	0	2
8:15 AM	0	1	0	0	1	1	0	0	0	0	1	1	5
8:30 AM	0	3	0	0	2	0	0	0	0	0	0	1	6
8:45 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
TOTAL VOLUMES:	0	10	0	2	6	1	0	1	0	0	2	2	24

AM Peak Hr Begins at: 745 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	6	0	2	4	1	0	0	0	0	2	2	17

PEAK HR FACTOR:	0.500	0.875	0.000	0.500	0.708

	US-395 Northbound			US-395 Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	1	0	1	0	0	0	0	0	0	0	0	2
4:15 PM	0	2	0	0	2	0	0	0	0	1	0	0	5
4:30 PM	0	2	0	1	1	0	0	0	0	0	0	1	5
4:45 PM	0	2	0	0	1	0	0	0	0	0	0	0	3
5:00 PM	0	0	0	0	2	0	0	1	0	0	0	1	4
5:15 PM	0	0	0	0	2	0	0	0	0	0	0	0	2
5:30 PM	0	0	0	0	2	0	0	0	0	0	0	0	2
5:45 PM	0	3	0	0	6	0	0	0	0	0	0	0	9
TOTAL VOLUMES:	0	10	0	2	16	0	0	1	0	1	0	2	32

PM Peak Hr Begins at: 415 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	6	0	1	6	0	0	1	0	1	0	2	17

PEAK HR FACTOR:	0.750	0.875	0.250	0.750	0.850

Location: Hesperia
N/S: US-395
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

4+ Axle Trucks

	US-395 Northbound			US-395 Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	15	0	6	26	0	0	0	0	2	1	1	51
7:15 AM	0	11	1	4	25	0	0	0	1	6	0	6	54
7:30 AM	0	14	0	7	34	0	0	0	1	3	0	0	59
7:45 AM	0	20	0	2	23	0	0	0	0	2	0	5	52
8:00 AM	0	10	3	4	24	0	0	0	0	0	1	5	47
8:15 AM	0	6	0	3	21	0	0	0	1	1	0	3	35
8:30 AM	1	13	1	6	25	0	0	0	0	0	0	4	50
8:45 AM	0	17	1	5	25	0	0	0	0	1	0	1	50
TOTAL VOLUMES:	1	106	6	37	203	0	0	0	3	15	2	25	398

AM Peak Hr Begins at: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	60	1	19	108	0	0	0	2	13	1	12	216

PEAK HR FACTOR:	0.763	0.774	0.500	0.542	0.915

	US-395 Northbound			US-395 Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	1	16	2	5	21	1	0	0	0	0	0	3	49
4:15 PM	0	18	6	4	16	1	0	0	0	3	0	6	54
4:30 PM	1	14	2	6	19	0	0	0	0	1	0	2	45
4:45 PM	1	14	0	5	20	0	0	0	0	0	0	5	45
5:00 PM	0	22	2	2	26	0	0	0	0	0	0	2	54
5:15 PM	0	20	4	5	14	0	0	0	0	1	0	4	48
5:30 PM	1	14	1	4	20	0	0	0	0	2	0	3	45
5:45 PM	0	15	1	4	16	0	0	0	0	1	0	5	42
TOTAL VOLUMES:	4	133	18	35	152	2	0	0	0	8	0	30	382

PM Peak Hr Begins at: 415 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	2	68	10	17	81	1	0	0	0	4	0	15	198

PEAK HR FACTOR:	0.833	0.884	0.000	0.528	0.917

Location: Hesperia
N/S: US-395
E/W: Joshua Street

Date: 7/14/2021
Date: Wednesday

PEDESTRIANS

	North Leg US-395 Pedestrians	South Leg US-395 Pedestrians	East Leg Joshua Street Pedestrians	West Leg Joshua Street Pedestrians	
7:00 AM	0	0	0	0	0
7:15 AM	0	0	0	0	0
7:30 AM	0	0	0	0	0
7:45 AM	0	0	0	0	0
8:00 AM	0	0	0	0	0
8:15 AM	0	0	0	0	0
8:30 AM	0	0	0	0	0
8:45 AM	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0

AM Total Volume Peak Hr Begins At: 700 AM

	North Leg	South Leg	East Leg	West Leg	TOTAL
PEAK VOLUMES:	0	0	0	0	0

	North Leg US-395 Pedestrians	South Leg US-395 Pedestrians	East Leg Joshua Street Pedestrians	West Leg Joshua Street Pedestrians	
4:00 PM	0	0	0	0	0
4:15 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0
4:45 PM	0	0	0	0	0
5:00 PM	0	0	0	0	0
5:15 PM	0	0	0	0	0
5:30 PM	1	0	0	0	1
5:45 PM	1	0	0	0	1
TOTAL VOLUMES:	2	0	0	0	2

PM Total Volume Peak Hr Begins At: 500 PM

	North Leg	South Leg	East Leg	West Leg	TOTAL
PEAK VOLUMES:	2	0	0	0	2

Location: Hesperia
N/S: US-395
E/W: Joshua Street

Date: 7/14/2021
Date: Wednesday

BICYCLES

	Northbound US-395			Southbound US-395			Eastbound Joshua Street			Westbound Joshua Street			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

AM Total Volume Peak Hr Begins At: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

	Northbound US-395			Southbound US-395			Eastbound Joshua Street			Westbound Joshua Street			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

PM Total Volume Peak Hr Begins At: 400 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

Location: Hesperia
N/S: I-15 SB Off Ramp
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

Total Volume

	Dead End Northbound			I-15 SB Off Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	1	0	21	0	12	0	0	2	0	36
7:15 AM	0	0	0	1	0	23	0	15	0	0	4	0	43
7:30 AM	0	0	0	2	0	24	0	20	0	0	6	0	52
7:45 AM	0	0	0	2	0	18	0	18	0	0	9	0	47
8:00 AM	0	0	0	0	0	20	0	19	0	0	6	0	45
8:15 AM	0	0	0	0	0	18	0	11	0	0	12	0	41
8:30 AM	0	0	0	2	0	28	0	23	0	0	11	0	64
8:45 AM	0	0	0	2	0	14	0	21	0	0	6	0	43
TOTAL VOLUMES:	0	0	0	10	0	166	0	139	0	0	56	0	371

AM Peak Hr Begins at: 745 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	4	0	84	0	71	0	0	38	0	197

PEAK HR FACTOR:	0.000	0.733	0.772	0.792	0.770

	Dead End Northbound			I-15 SB Off Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	0	0	3	0	27	0	20	0	0	4	0	54
4:15 PM	0	0	0	4	0	22	0	35	0	0	6	0	67
4:30 PM	0	0	0	6	0	25	0	29	0	0	15	0	75
4:45 PM	0	0	0	2	0	23	0	31	0	0	7	0	63
5:00 PM	0	0	0	2	0	24	0	23	0	0	6	0	55
5:15 PM	0	0	0	3	0	20	0	38	0	0	5	0	66
5:30 PM	0	0	0	3	0	20	0	27	0	0	7	0	57
5:45 PM	0	0	0	3	0	14	0	26	0	0	2	0	45
TOTAL VOLUMES:	0	0	0	26	0	175	0	229	0	0	52	0	482

PM Peak Hr Begins at: 415 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	14	0	94	0	118	0	0	34	0	260

PEAK HR FACTOR:	0.000	0.871	0.843	0.567	0.867

Location: Hesperia
N/S: I-15 SB Off Ramp
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

Passenger Vehicles

	Dead End Northbound			I-15 SB Off Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	1	0	11	0	6	0	0	2	0	20
7:15 AM	0	0	0	1	0	15	0	11	0	0	4	0	31
7:30 AM	0	0	0	2	0	19	0	11	0	0	6	0	38
7:45 AM	0	0	0	2	0	11	0	13	0	0	7	0	33
8:00 AM	0	0	0	0	0	11	0	12	0	0	5	0	28
8:15 AM	0	0	0	0	0	10	0	8	0	0	11	0	29
8:30 AM	0	0	0	2	0	22	0	14	0	0	11	0	49
8:45 AM	0	0	0	2	0	12	0	14	0	0	6	0	34
TOTAL VOLUMES:	0	0	0	10	0	111	0	89	0	0	52	0	262

AM Peak Hr Begins at: 800 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	4	0	55	0	48	0	0	33	0	140

PEAK HR FACTOR:	0.000	0.615	0.857	0.750	0.714

	Dead End Northbound			I-15 SB Off Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	0	0	3	0	19	0	14	0	0	4	0	40
4:15 PM	0	0	0	4	0	11	0	29	0	0	6	0	50
4:30 PM	0	0	0	6	0	15	0	19	0	0	14	0	54
4:45 PM	0	0	0	2	0	15	0	27	0	0	6	0	50
5:00 PM	0	0	0	2	0	17	0	18	0	0	4	0	41
5:15 PM	0	0	0	3	0	11	0	33	0	0	5	0	52
5:30 PM	0	0	0	3	0	12	0	23	0	0	7	0	45
5:45 PM	0	0	0	3	0	10	0	22	0	0	2	0	37
TOTAL VOLUMES:	0	0	0	26	0	110	0	185	0	0	48	0	369

PM Peak Hr Begins at: 430 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	13	0	58	0	97	0	0	29	0	197

PEAK HR FACTOR:	0.000	0.845	0.735	0.518	0.912

Location: Hesperia
N/S: I-15 SB Off Ramp
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

Large 2 Axle Vehicles

	Dead End Northbound			I-15 SB Off Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	0	0	2	0	0	0	0	0	0	2
7:15 AM	0	0	0	0	0	1	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	1	0	0	1	0	2
8:00 AM	0	0	0	0	0	3	0	1	0	0	0	0	4
8:15 AM	0	0	0	0	0	1	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	3	0	0	0	0	0	0	3
8:45 AM	0	0	0	0	0	0	0	1	0	0	0	0	1
TOTAL VOLUMES:	0	0	0	0	0	10	0	3	0	0	1	0	14

AM Peak Hr Begins at: 745 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	7	0	2	0	0		0	9

PEAK HR FACTOR:	0.000	3583.000	0.500	0.250	0.625

	Dead End Northbound			I-15 SB Off Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	1	0	3	0	0	0	0	4
4:30 PM	0	0	0	0	0	1	0	1	0	0	1	0	3
4:45 PM	0	0	0	0	0	1	0	0	0	0	1	0	2
5:00 PM	0	0	0	0	0	0	0	0	0	0	2	0	2
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	3	0	4	0	0	4	0	11

PM Peak Hr Begins at: 415 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	3	0	4	0	0	4	0	11

PEAK HR FACTOR:	0.000	0.750	0.333	0.500	0.688

Location: Hesperia
N/S: I-15 SB Off Ramp
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

3 Axle Vehicles

	Dead End Northbound			I-15 SB Off Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	1	0	0	0	0	1
7:45 AM	0	0	0	0	0	0	0	1	0	0	1	0	2
8:00 AM	0	0	0	0	0	0	0	1	0	0	0	0	1
8:15 AM	0	0	0	0	0	1	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	1	0	1	0	0	0	0	2
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	2	0	4	0	0	1	0	7

AM Peak Hr Begins at: 745 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	2	0	3	0	0	1	0	6

PEAK HR FACTOR:	0.000	0.500	0.750	0.250	0.750

	Dead End Northbound			I-15 SB Off Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	0	0	0	0	0	0	1	0	0	0	0	1
4:15 PM	0	0	0	0	0	1	0	0	0	0	0	0	1
4:30 PM	0	0	0	0	0	2	0	1	0	0	0	0	3
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	1	0	1	0	0	0	0	2
5:15 PM	0	0	0	0	0	3	0	0	0	0	0	0	3
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	7	0	3	0	0	0	0	10

PM Peak Hr Begins at: 430 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	6	0	2	0	0	0	0	8

PEAK HR FACTOR:	0.000	0.500	0.500	0.000	0.667

Location: Hesperia
N/S: I-15 SB Off Ramp
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

4+ Axle Trucks

	Dead End Northbound			I-15 SB Off Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	0	0	8	0	6	0	0	0	0	14
7:15 AM	0	0	0	0	0	7	0	4	0	0	0	0	11
7:30 AM	0	0	0	0	0	5	0	8	0	0	0	0	13
7:45 AM	0	0	0	0	0	7	0	3	0	0	0	0	10
8:00 AM	0	0	0	0	0	6	0	5	0	0	1	0	12
8:15 AM	0	0	0	0	0	6	0	3	0	0	1	0	10
8:30 AM	0	0	0	0	0	2	0	8	0	0	0	0	10
8:45 AM	0	0	0	0	0	2	0	6	0	0	0	0	8
TOTAL VOLUMES:	0	0	0	0	0	43	0	43	0	0	2	0	88

AM Peak Hr Begins at: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	27	0	21	0	0	0	0	48

PEAK HR FACTOR:	0.000	0.844	0.656	0.000	0.625

	Dead End Northbound			I-15 SB Off Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	0	0	0	0	8	0	5	0	0	0	0	13
4:15 PM	0	0	0	0	0	9	0	3	0	0	0	0	12
4:30 PM	0	0	0	0	0	7	0	8	0	0	0	0	15
4:45 PM	0	0	0	0	0	7	0	4	0	0	0	0	11
5:00 PM	0	0	0	0	0	6	0	4	0	0	0	0	10
5:15 PM	0	0	0	0	0	6	0	5	0	0	0	0	11
5:30 PM	0	0	0	0	0	8	0	4	0	0	0	0	12
5:45 PM	0	0	0	0	0	4	0	4	0	0	0	0	8
TOTAL VOLUMES:	0	0	0	0	0	55	0	37	0	0	0	0	92

PM Peak Hr Begins at: 400 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	31	0	20	0	0	0	0	51

PEAK HR FACTOR:	0.000	0.861	0.625	0.000	0.850

Location: Hesperia
N/S: I-15 SB Off Ramp
E/W: Joshua Street

Date: 7/14/2021
Date: Wednesday

PEDESTRIANS

	North Leg Dead End Pedestrians	South Leg I-15 SB Off Ramp Pedestrians	East Leg Joshua Street Pedestrians	West Leg Joshua Street Pedestrians	
7:00 AM	0	0	0	0	0
7:15 AM	0	0	0	0	0
7:30 AM	0	0	0	0	0
7:45 AM	0	0	0	0	0
8:00 AM	0	0	0	0	0
8:15 AM	0	0	0	0	0
8:30 AM	0	0	0	0	0
8:45 AM	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0

AM Total Volume Peak Hr Begins At: 700 AM

	North Leg	South Leg	East Leg	West Leg	TOTAL
PEAK VOLUMES:	0	0	0	0	0

	North Leg Dead End Pedestrians	South Leg I-15 SB Off Ramp Pedestrians	East Leg Joshua Street Pedestrians	West Leg Joshua Street Pedestrians	
4:00 PM	0	0	0	0	0
4:15 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0
4:45 PM	0	0	0	0	0
5:00 PM	0	0	0	0	0
5:15 PM	0	0	0	0	0
5:30 PM	0	0	0	0	0
5:45 PM	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0

PM Total Volume Peak Hr Begins At: 400 PM

	North Leg	South Leg	East Leg	West Leg	TOTAL
PEAK VOLUMES:	0	0	0	0	0

Location: Hesperia
N/S: I-15 SB Off Ramp
E/W: Joshua Street

Date: 7/14/2021
Date: Wednesday

BICYCLES

	Northbound Dead End			Southbound I-15 SB Off Ramp			Eastbound Joshua Street			Westbound Joshua Street			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

AM Total Volume Peak Hr Begins At: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

	Northbound Dead End			Southbound I-15 SB Off Ramp			Eastbound Joshua Street			Westbound Joshua Street			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

PM Total Volume Peak Hr Begins At: 400 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

Location: Hesperia
N/S: I-15 NB On Ramp
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

Total Volume

	Dead End Northbound			I-15 NB On Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	0	0	0	8	4	0	0	2	0	14
7:15 AM	0	0	0	0	0	0	13	2	0	0	4	2	21
7:30 AM	0	0	0	0	0	0	16	6	0	0	6	0	28
7:45 AM	0	0	0	0	0	0	14	7	0	0	9	3	33
8:00 AM	0	0	0	0	0	0	11	6	0	0	6	1	24
8:15 AM	0	0	0	0	0	0	9	6	0	0	12	1	28
8:30 AM	0	0	0	0	0	0	16	10	0	0	11	2	39
8:45 AM	0	0	0	0	0	0	18	5	0	0	6	2	31
TOTAL VOLUMES:	0	0	0	0	0	0	105	46	0	0	56	11	218

AM Peak Hr Begins at: 745 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	50	29	0	0	38	7	124

PEAK HR FACTOR:	0.000	0.000	0.760	0.865	0.795

	Dead End Northbound			I-15 NB On Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	0	0	0	0	0	10	12	0	0	4	1	27
4:15 PM	0	0	0	0	0	0	14	27	0	0	6	1	48
4:30 PM	0	0	0	0	0	0	17	14	0	0	14	1	46
4:45 PM	0	0	0	0	0	0	14	26	0	0	7	2	49
5:00 PM	0	0	0	0	0	0	13	17	0	0	9	2	41
5:15 PM	0	0	0	0	0	0	27	13	0	0	5	2	47
5:30 PM	0	0	0	0	0	0	11	20	0	0	6	2	39
5:45 PM	0	0	0	0	0	0	15	14	0	0	2	1	32
TOTAL VOLUMES:	0	0	0	0	0	0	121	143	0	0	53	12	329

PM Peak Hr Begins at: 415 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	58	84	0	0	36	6	184

PEAK HR FACTOR:	0.000	0.000	0.866	0.700	0.939

Location: Hesperia
N/S: I-15 NB On Ramp
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

Passenger Vehicles

	Dead End Northbound			I-15 NB On Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	0	0	0	2	4	0	0	2	0	8
7:15 AM	0	0	0	0	0	0	11	2	0	0	4	1	18
7:30 AM	0	0	0	0	0	0	5	6	0	0	6	0	17
7:45 AM	0	0	0	0	0	0	10	7	0	0	8	3	28
8:00 AM	0	0	0	0	0	0	6	6	0	0	5	1	18
8:15 AM	0	0	0	0	0	0	5	6	0	0	11	1	23
8:30 AM	0	0	0	0	0	0	8	9	0	0	11	2	30
8:45 AM	0	0	0	0	0	0	12	5	0	0	6	2	25
TOTAL VOLUMES:	0	0	0	0	0	0	59	45	0	0	53	10	167

AM Peak Hr Begins at: 745 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	29	28	0	0	35	7	99

PEAK HR FACTOR:	0.000	0.000	0.838	0.808	0.825

	Dead End Northbound			I-15 NB On Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	0	0	0	0	0	5	12	0	0	4	1	22
4:15 PM	0	0	0	0	0	0	10	26	0	0	6	1	43
4:30 PM	0	0	0	0	0	0	7	14	0	0	14	1	36
4:45 PM	0	0	0	0	0	0	9	26	0	0	6	2	43
5:00 PM	0	0	0	0	0	0	9	16	0	0	7	2	34
5:15 PM	0	0	0	0	0	0	22	13	0	0	5	2	42
5:30 PM	0	0	0	0	0	0	6	20	0	0	6	2	34
5:45 PM	0	0	0	0	0	0	11	14	0	0	2	1	28
TOTAL VOLUMES:	0	0	0	0	0	0	79	141	0	0	50	12	282

PM Peak Hr Begins at: 415 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	35	82	0	0	33	6	156

PEAK HR FACTOR:	0.000	0.000	0.813	0.650	0.907

Location: Hesperia
N/S: I-15 NB On Ramp
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

Large 2 Axle Vehicles

	Dead End Northbound			I-15 NB On Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

AM Peak Hr Begins at: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

PEAK HR FACTOR:	0.000	0.000	0.000	0.000	0.000

	Dead End Northbound			I-15 NB On Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	1	0	0	0	0	1
4:30 PM	0	0	0	0	0	0	1	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
5:00 PM	0	0	0	0	0	0	0	0	0	0	2	0	2
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	1	1	0	0	3	0	5

PM Peak Hr Begins at: 415 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	1	1	0	0	3	0	5

PEAK HR FACTOR:	0.000	0.000	0.500	0.375	0.625

Location: Hesperia
N/S: I-15 NB On Ramp
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

3 Axle Vehicles

	Dead End Northbound			I-15 NB On Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	1
7:30 AM	0	0	0	0	0	0	1	0	0	0	0	0	1
7:45 AM	0	0	0	0	0	0	1	0	0	0	1	0	2
8:00 AM	0	0	0	0	0	0	1	0	0	0	1	0	2
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	1	0	0	0	0	1
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	3	1	0	0	2	1	7

AM Peak Hr Begins at: 715 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	3	0	0	0	2	1	6

PEAK HR FACTOR:	0.000	0.000	0.750	0.750	0.750

	Dead End Northbound			I-15 NB On Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	0	0	0	0	0	1	0	0	0	0	0	1
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	1	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	1	0	0	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	2	1	0	0	0	0	3

PM Peak Hr Begins at: 400 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	2	0	0	0	0	0	2

PEAK HR FACTOR:	0.000	0.000	0.500	0.000	0.000

Location: Hesperia
N/S: I-15 NB On Ramp
E/W: Joshua Street

Date: 7/14/2021
Day: Wednesday

4+ Axle Trucks

	Dead End Northbound			I-15 NB On Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	0	0	0	6	0	0	0	0	0	6
7:15 AM	0	0	0	0	0	0	2	0	0	0	0	0	2
7:30 AM	0	0	0	0	0	0	10	0	0	0	0	0	10
7:45 AM	0	0	0	0	0	0	3	0	0	0	0	0	3
8:00 AM	0	0	0	0	0	0	4	0	0	0	0	0	4
8:15 AM	0	0	0	0	0	0	4	0	0	0	1	0	5
8:30 AM	0	0	0	0	0	0	8	0	0	0	0	0	8
8:45 AM	0	0	0	0	0	0	6	0	0	0	0	0	6
TOTAL VOLUMES:	0	0	0	0	0	0	43	0	0	0	1	0	44

AM Peak Hr Begins at: 800 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	22	0	0	0	1	0	23

PEAK HR FACTOR:	0.000	0.000	0.688	0.250	0.719

	Dead End Northbound			I-15 NB On Ramp Southbound			Joshua Street Eastbound			Joshua Street Westbound			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0	0	0	0	0	0	4	0	0	0	0	0	4
4:15 PM	0	0	0	0	0	0	4	0	0	0	0	0	4
4:30 PM	0	0	0	0	0	0	8	0	0	0	0	0	8
4:45 PM	0	0	0	0	0	0	5	0	0	0	0	0	5
5:00 PM	0	0	0	0	0	0	4	0	0	0	0	0	4
5:15 PM	0	0	0	0	0	0	5	0	0	0	0	0	5
5:30 PM	0	0	0	0	0	0	5	0	0	0	0	0	5
5:45 PM	0	0	0	0	0	0	4	0	0	0	0	0	4
TOTAL VOLUMES:	0	0	0	0	0	0	39	0	0	0	0	0	39

PM Peak Hr Begins at: 430 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	22	0	0	0	0	0	22

PEAK HR FACTOR:	0.000	0.000	0.688	0.000	0.000

Location: Hesperia
N/S: I-15 NB On Ramp
E/W: Joshua Street

Date: 7/14/2021
Date: Wednesday

PEDESTRIANS

	North Leg Dead End Pedestrians	South Leg I-15 NB On Ramp Pedestrians	East Leg Joshua Street Pedestrians	West Leg Joshua Street Pedestrians	
7:00 AM	0	0	0	0	0
7:15 AM	0	0	0	0	0
7:30 AM	0	0	0	0	0
7:45 AM	0	0	0	0	0
8:00 AM	0	0	0	0	0
8:15 AM	0	0	0	0	0
8:30 AM	0	0	0	0	0
8:45 AM	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0

AM Total Volume Peak Hr Begins At: 700 AM

	North Leg	South Leg	East Leg	West Leg	TOTAL
PEAK VOLUMES:	0	0	0	0	0

	North Leg Dead End Pedestrians	South Leg I-15 NB On Ramp Pedestrians	East Leg Joshua Street Pedestrians	West Leg Joshua Street Pedestrians	
4:00 PM	0	0	0	0	0
4:15 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0
4:45 PM	0	0	0	0	0
5:00 PM	0	0	0	0	0
5:15 PM	0	0	0	0	0
5:30 PM	0	0	0	0	0
5:45 PM	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0

PM Total Volume Peak Hr Begins At: 400 PM

	North Leg	South Leg	East Leg	West Leg	TOTAL
PEAK VOLUMES:	0	0	0	0	0

Location: Hesperia
N/S: I-15 NB On Ramp
E/W: Joshua Street

Date: 7/14/2021
Date: Wednesday

BICYCLES

	Northbound Dead End			Southbound I-15 NB On Ramp			Eastbound Joshua Street			Westbound Joshua Street			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

AM Total Volume Peak Hr Begins At: 700 AM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

	Northbound Dead End			Southbound I-15 NB On Ramp			Eastbound Joshua Street			Westbound Joshua Street			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

PM Total Volume Peak Hr Begins At: 400 PM

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
PEAK VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

Location: US395 @ Jashua ST
System: Isolated
District: 08
Master At:
I/C:

Designed By: NADER ARJOMANDI
Installed By: NADER ARJOMANDI
Service Info: NADER ARJOMANDI

Timing Change:	Date Start:	Date End:	Designed:	Installed:
4/8/2021	2/26/2002			9/23/2014

		FLASH
PHASE	1) SOUTH BOUND LEFT TURN	[ ]
	2) NORTH BOUND THRU	[ ]
	3)	[ ]
	4) EAST BOUND THRU	[ ]
	5) NORTH BOUND LEFT TURN	[ ]
	6) SOUTH BOUND THRU	[ ]
	7)	[ ]
	8) WEST BOUND THRU	[ ]

OVERLAP	A)	[ ]
	B)	[ ]
	C)	[ ]
	D)	[ ]
	E)	[ ]
	F)	[ ]

Intersection Layout

Comments and Notes:
Yellow & Red time updated 4/8/2021. Nader

RAM Checksum

Page 2: 7B1A	Page 8: 85AF
Page 3: C6DD	Page 9: D2FD
Page 4: F29E	Page 10: C24F
Page 5: 191A	Page 11: C3CB
Page 6: 191A	Page 12: D68F
Page 7: 398C	Page 13: 86F7

CONFIGURATION PHASE FLAGS

Cabinet
332
Configuration
CALTRANS

Phases (2-1-1-1)	
Permitted	1 2 . 4 5 6 . 8
Restricted	. . . . .

Phase Recalls (2-1-1-2)	
Vehicle Min	. 2 . . . 6 . .
Vehicle Max	. . . . .
Pedestrian	. . . . .
Bicycle	. . . . .

Phase Locks (2-1-1-3)	
Red	. . . . .
Yellow	. . . . .
Force/Max	. . . . .

Phase Features (2-1-1-4)	
Double Entry	. . . 4 . . . 8
Rest In Walk	. . . . .
Rest In Red	. . . . .
Walk 2	. . . . .
Max Green 2	. . . . .
Max Green 3	. . . . .

Startup (2-1-1-5)	
First Green Phases	. 2 . . . 6 . .
Yellow Start Phases	. . . . .
Vehicle Calls	1 2 . 4 5 6 . 8
Pedestrian Calls	. 2 . . . 6 . 8
Yellow Start Overlaps	. . . . .
Startup All-Red	6.0

Call To Phase (2-1-2-1)		Omit On Green	
1	. . . . .	1	. . . . .
2	. . . . .	2	. . . . .
3	. . . . .	3	. . . . .
4	. . . . .	4	. . . . .
5	. . . . .	5	. . . . .
6	. . . . .	6	. . . . .
7	. . . . .	7	. . . . .
8	. . . . .	8	. . . . .

Flashing Colors (2-1-2-2)	
Yellow Flash Phases	. . . . .
Yellow Flash Overlap	. . . . .
Flash In Red Phases	. . . . .
Flash In Red Overlaps	. . . . .

Special Operation (2-1-2-3)	
Single Exit Phase	. . . . .
Driveway Signal Phases	. . . . .
Driveway Signal Overlaps	. . . . .
Leading Ped Phases	. . . . .

Protected Permissive (2-1-2-4)	
Protected Permissive	. . . . .

Pedestrian (2-1-3)	
P1	. . . . .
P2	. 2 . . . . .
P3	. . . . .
P4	. . . . .
P5	. . . . .
P6	. . . . . 6 . .
P7	. . . . .
P8	 8

Overlap (2-1-4)				
Overlap	Parent	Omit	No Start	Not
A	. . . . .	. . . . .	. . . . .	. . . . .
B	. . . . .	. . . . .	. . . . .	. . . . .
C	. . . . .	. . . . .	. . . . .	. . . . .
D	. . . . .	. . . . .	. . . . .	. . . . .
E	. . . . .	. . . . .	. . . . .	. . . . .
F	. . . . .	. . . . .	. . . . .	. . . . .

PHASE TIMING

Phase (2-2)	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
--- Walk 1 ---	0	7	0	0	0	7	0	7
Flash Don't Walk	0	24	0	0	0	24	0	34
Minimum Green	5	5	0	5	5	5	0	5
Det Limit	0	0	0	0	0	0	0	0
Max Initial	0	0	0	0	0	0	0	0
Max Green 1	20	50	0	40	20	50	0	40
Max Green 2	0	0	0	0	0	0	0	0
Max Green 3	0	0	0	0	0	0	0	0
Extension	2.5	5.0	0.0	2.0	2.5	5.0	0.0	2.0
Maximum Gap	2.5	5.0	0.0	2.0	2.5	5.0	0.0	2.0
Minimum Gap	2.5	5.0	0.0	2.0	2.5	5.0	0.0	2.0
Add Per Vehicle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce Gap By	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce Every	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow	3.7	5.5	3.0	4.0	3.7	5.5	3.0	4.0
All-Red	1.0	2.0	0.0	1.0	1.0	2.0	0.0	1.0
Ped/Bike (2-3)	**-1-**	**-2-**	**-3-**	**-4-**	**-5-**	**-6-**	**-7-**	**-8-**
--- Walk 2 ---	0	0	0	0	0	0	0	0
Delay/Early Walk	0	0	0	0	0	0	0	0
Solid Don't Walk	0	0	0	0	0	0	0	0
Bike Green	0	0	0	0	0	0	0	0
Bike All-Red	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

OVERLAP TIMING

Overlap (2-4)	A	B	C	D	E	F
Green	0.0	0.0	0.0	0.0	0.0	0.0
Yellow	5.0	5.0	5.0	5.0	5.0	5.0
Red	0.0	0.0	0.0	0.0	0.0	0.0

Red Revert

Red Revert (2-5)	
Time	5.0
All-Red Sec/Min (2-6)	
All-Red Sec/Min:	OFF

Max 2 Extension

Max/Gap Out (2-7)	
Max Cnt	0
Gap Cnt	0

Local Plan 1...9 (7-1) TIMING DATA

COORDINATION

[Offsets] Green Factors or Press [F] to Select Force-Off

		Cycle	Multi	Lag Gap	A	B	C	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 1	Green Factor			.....											
Plan 2	Green Factor			.....											
Plan 3	Green Factor			.....											
Plan 4	Green Factor			.....											
Plan 5	Green Factor			.....											
Plan 6	Green Factor			.....											
Plan 7	Green Factor			.....											
Plan 8	Green Factor			.....											
Plan 9	Green Factor			.....											

Master Timer Sync (7-A)	
Enable in Plans	
1-9	.....
11-19	.....
21-29	.....

Master Sub Master	
Input	
Output	

FREE PLAN PHASE FLAGS

(7-E) Free	
Lag	Omit
. 2 . 4 . 6 . 8	.....
Veh Min	Veh Max
. 2 . . . 6 . .	.....
Ped	Bike
.....	.....
Cond	Cond Grn
.....	10

Local Plan 1...9 (7-1) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 1	.....	.....	.....	.....	.....	.....	.....	.....
Plan 2	.....	.....	.....	.....	.....	.....	.....	.....
Plan 3	.....	.....	.....	.....	.....	.....	.....	.....
Plan 4	.....	.....	.....	.....	.....	.....	.....	.....
Plan 5	.....	.....	.....	.....	.....	.....	.....	.....
Plan 6	.....	.....	.....	.....	.....	.....	.....	.....
Plan 7	.....	.....	.....	.....	.....	.....	.....	.....
Plan 8	.....	.....	.....	.....	.....	.....	.....	.....
Plan 9	.....	.....	.....	.....	.....	.....	.....	.....

MANUAL COMMANDS

Manual Plan (4-1)	
Plan	OffSet
	A

Plan: 1-9
15 or 254 = Flash
14 or 255 = Free
Offset A, B, or C

Special Function Override (4-2)			
#	Control	#	Control
1	NORMAL	3	NORMAL
2	NORMAL	4	NORMAL

Detector Reset	(4-3)
Local Manual (4-4)	OFF

Local Plan 11...19 (7-2) TIMING DATA

COORDINATION

[Offsets] Green Factors or Press [F] to Select Force-Off

		Cycle	Multi	Lag Gap	A	B	C	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 11	Green Factor			.....											
Plan 12	Green Factor			.....											
Plan 13	Green Factor			.....											
Plan 14	Green Factor			.....											
Plan 15	Green Factor			.....											
Plan 16	Green Factor			.....											
Plan 17	Green Factor			.....											
Plan 18	Green Factor			.....											
Plan 19	Green Factor			.....											

Local Plan 11...19 (7-2) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 11	.....	.....	.....	.....	.....	.....	.....	.....
Plan 12	.....	.....	.....	.....	.....	.....	.....	.....
Plan 13	.....	.....	.....	.....	.....	.....	.....	.....
Plan 14	.....	.....	.....	.....	.....	.....	.....	.....
Plan 15	.....	.....	.....	.....	.....	.....	.....	.....
Plan 16	.....	.....	.....	.....	.....	.....	.....	.....
Plan 17	.....	.....	.....	.....	.....	.....	.....	.....
Plan 18	.....	.....	.....	.....	.....	.....	.....	.....
Plan 19	.....	.....	.....	.....	.....	.....	.....	.....

Local Plan 21...29 (7-3) TIMING DATA

COORDINATION

[Offsets] Green Factors or Press [F] to Select Force-Off

		Cycle	Multi	Lag Gap	A	B	C	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 21	Green Factor			.....											
Plan 22	Green Factor			.....											
Plan 23	Green Factor			.....											
Plan 24	Green Factor			.....											
Plan 25	Green Factor			.....											
Plan 26	Green Factor			.....											
Plan 27	Green Factor			.....											
Plan 28	Green Factor			.....											
Plan 29	Green Factor			.....											

Local Plan 21...29 (7-3) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 21	.....	.....	.....	.....	.....	.....	.....	.....
Plan 22	.....	.....	.....	.....	.....	.....	.....	.....
Plan 23	.....	.....	.....	.....	.....	.....	.....	.....
Plan 24	.....	.....	.....	.....	.....	.....	.....	.....
Plan 25	.....	.....	.....	.....	.....	.....	.....	.....
Plan 26	.....	.....	.....	.....	.....	.....	.....	.....
Plan 27	.....	.....	.....	.....	.....	.....	.....	.....
Plan 28	.....	.....	.....	.....	.....	.....	.....	.....
Plan 29	.....	.....	.....	.....	.....	.....	.....	.....

DETECTORS

Detector Attributes (5-1)				Slot
Det	Type	Phases	Lock	
1	COUNT+CALL+EXTEND	1	NO	I1U
2	COUNT+CALL+EXTEND	1	NO	I1L
3	COUNT+CALL+EXTEND	. 2	NO	I2U
4	COUNT+CALL+EXTEND	. 2	NO	I2L
5	COUNT+CALL+EXTEND	. 2	NO	I3U
6	COUNT+CALL+EXTEND	. 2	NO	I3L
7	COUNT+CALL+EXTEND	. 2	NO	I4U
8	COUNT+CALL+EXTEND	. 2	NO	I4L
9	COUNT+CALL+EXTEND	. . 3	NO	I5U
10	COUNT+CALL+EXTEND	. . 3	NO	I5L
11	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I6U
12	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I6L
13	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I7U
14	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I7L
15	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I8U
16	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I8L
17	COUNT+CALL+EXTEND	1	NO	I9U
18	COUNT+CALL+EXTEND	. . 3	NO	I9L
19	COUNT+CALL+EXTEND	. 2	NO	I10U
20	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I10L
21	COUNT+CALL+EXTEND	. . . . 5 . . .	NO	J1U
22	COUNT+CALL+EXTEND	. . . . 5 . . .	NO	J1L
23	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J2U
24	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J2L
25	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J3U
26	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J3L
27	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J4U
28	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J4L
29	COUNT+CALL+EXTEND	. . . . . 7 .	NO	J5U
30	COUNT+CALL+EXTEND	. . . . . 7 .	NO	J5L
31	COUNT+CALL+EXTEND	 8	NO	J6U
32	COUNT+CALL+EXTEND	 8	NO	J6L
33	COUNT+CALL+EXTEND	 8	NO	J7U
34	COUNT+CALL+EXTEND	 8	NO	J7L
35	COUNT+CALL+EXTEND	 8	NO	J8U
36	COUNT+CALL+EXTEND	 8	NO	J8L
37	COUNT+CALL+EXTEND	. . . . 5 . . .	NO	J9U
38	COUNT+CALL+EXTEND	. . . . . 7 .	NO	J9L
39	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J10U
40	COUNT+CALL+EXTEND	 8	NO	J10L
41	PEDESTRIAN	. 2	NO	I12U
42	PEDESTRIAN	. . . 4 . . .	NO	I12L
43	PEDESTRIAN	. . . . . 6 . .	NO	I13U
44	PEDESTRIAN	 8	NO	I13L

Detector Configuration (5-2)				
Det	Delay	Extend	Recall	Port
1			10	3.2
2			10	7.2
3			10	1.1
4			10	1.5
5			10	4.5
6			10	6.2
7			10	2.1
8			10	7.4
9			10	3.4
10			10	7.6
11			10	1.3
12			10	1.7
13			10	4.7
14			10	6.4
15			10	2.3
16			10	7.8
17			10	3.6
18			10	3.8
19			10	4.1
20			10	4.2
21			10	3.1
22			10	7.1
23			10	1.2
24			10	1.6
25			10	4.6
26			10	6.3
27			10	2.2
28			10	7.3
29			10	3.3
30			10	7.5
31			10	1.4
32			10	1.8
33			10	4.8
34			10	6.5
35			10	2.4
36			10	7.7
37			10	3.5
38			10	3.7
39			10	4.3
40			10	4.4
41			10	5.1
42			10	5.3
43			10	5.2
44			10	5.4

Failure Times(5-3)	Minutes
Maximum On Time	
Fail Reset Time	

Failure Override (5-4)	
Detectors 1-8	. . . . .
Detectors 9-16	. . . . .
Detectors17-24	. . . . .
Detectors 25-32	. . . . .
Detectors 33-40	. . . . .
Detectors 41-44	. . . . .

System Detector Assignment (5-5)

Sys Det	1	2	3	4	5	6	7	8
Det Num								
Sys Det	9	10	11	12	13	14	15	16
Det Num								

CIC Operation (5-6-1)	
Enable in Plans	. . . . .

CIC Values (5-6-2)	Volume	Occupancy	Demand
Smoothing	0.66	0.66	0.66
Multiplier	4.0	0.33	
Exponent	0.50	1.00	

Detector-to-Phase Assignment (5-6-3)

Sys Det	1	2	3	4	5	6	7	8
Phase								
Sys Det	9	10	11	12	13	14	15	16
Phase								

Input File Port-Bit Assignments

332 Cabinet - For Reference Only

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
I-	3.2	1.1	4.5	2.1	3.4	1.3	4.7	2.3	3.6	4.1	6.6	5.1	5.2	6.7
	7.2	1.5	6.2	7.4	7.6	1.7	6.4	7.8	3.8	4.2	2.7	5.3	5.4	6.8
J-	3.1	1.2	4.6	2.2	3.3	1.4	4.8	2.4	3.5	4.3	2.8	5.5	5.6	2.5
	7.1	1.6	6.3	7.3	7.5	1.8	6.5	7.7	3.7	4.4	6.1	5.7	5.8	2.6

TOD SCHEDULE

Table 1 (8-2-1)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 2 (8-2-2)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 3 (8-2-3)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 4 (8-2-4)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 5 (8-2-5)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 6 (8-2-6)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

WEEKDAY ASSIGNMENT

Weekday Table Assignments (8-2-7)						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	1	1	1	1	2	2

HOLIDAY TABLES

Floating Holiday Table (8-2-8)

#	Mnth	Week	DOW	Table
1			.....	
2			.....	
3			.....	
4			.....	
5			.....	
6			.....	
7			.....	
8			.....	
9			.....	
10			.....	
11			.....	
12			.....	
13			.....	
14			.....	
15			.....	
16			.....	

Fixed Holiday Table (8-2-9)

#	Mnth	Day	DOW	Table
1			.....	
2			.....	
3			.....	
4			.....	
5			.....	
6			.....	
7			.....	
8			.....	
9			.....	
10			.....	
11			.....	
12			.....	
13			.....	
14			.....	
15			.....	
16			.....	

Solar Clock Data (8-4)

North Latitude	34
West Longitude	118
Local Time Zone	8

Sabbatical Clock (8-5)

Hebrew	Ped Recall
Sabbath	.....
Holiday	.....

Daylight Saving (8-6)

Enabled	YES

TOD FUNCTIONS

TOD Functions (8-3)

#	Start	End	DOW	Action	Phases
1			.....		.....
2			.....		.....
3			.....		.....
4			.....		.....
5			.....		.....
6			.....		.....
7			.....		.....
8			.....		.....
9			.....		.....
10			.....		.....
11			.....		.....
12			.....		.....
13			.....		.....
14			.....		.....
15			.....		.....
16			.....		.....

Action Codes:

0. None
1. Permitted
2. Restricted
4. Veh Min Recall
5. Veh Max Recall
6. Ped Recall
7. Bike Recall
8. Red Lock
9. Yellow Lock
10. Force/Max Lock
11. Double Entry
12. Y-Coord C
13. Y-Coord D
14. Free
15. Flashing
16. Walk 2
17. Max Green 2
18. Max Green 3
19. Rest in Walk
20. Rest in Red
21. Free Lag Phases
22. Special Functions
23. Truck Preempt
24. Conditional Service
25. Conditional Service
26. Leading Ped
27. Traffic Actuated Max 2
41. Protected Permissive
42. Protected Permissive

Action Code = Phases added to normal setting

100+Action Code = Phases removed

200+Action Code = Phases replaced

COMMUNICATIONS

C2 (6-1-1)	
Address	
Protocol	AB3418
Access Level	0
Baud	1200
Parity	NONE
Data Bits	8
Stop Bits	1
RTS On Time	20
RTS Off Time	20
Handshaking	NORMAL

C20 (6-1-2)	
Address	
Protocol	AB3418
Access Level	0
Baud	1200
Parity	NONE
Data Bits	8
Stop Bits	1
RTS On Time	20
RTS Off Time	20
Handshaking	NORMAL

C21 (6-1-3)	
Address	
Protocol	AB3418
Access Level	0
Baud	1200
Parity	NONE
Data Bits	8
Stop Bits	1
RTS On Time	20
RTS Off Time	20
Handshaking	NORMAL

Access Levels:

0-Full Access
1-Status Only
2-Status, Set Pattern, Time
3-Status, Set Pattern, Time, Manual Plan
4-Reserved
5-Full Access with No Set Pattern
6-Full Access with No Set Time
7-Full Access with No Set Pattern, Manual Plan
8-Full Access with No Set Time, Pattern, Manual Plan

SOFT LOGIC

Soft Logic (6-2)

#	Data	OP	Data	OP	Data	OP	Data
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

*Refer to User's Manual for Data and OP Codes

CALLBACK NUMBERS

Callback Numbers (6-3...3)	
Line Out	
Local Toll	
Long Distance	
Delay	10
Area Code	
Phone Number	

Line Out	
Local Toll	
Long Distance	
Delay	10
Area Code	
Phone Number	

Line Out	
Local Toll	
Long Distance	
Delay	10
Area Code	
Phone Number	

NETWORK

Network (6-4)	
Address	2
Protocol	AB3418
Port	27000
Type	STATIC
Central Access	0
Field Access	0

IP Address	192	.	168	.	0	.	102
Netmask	255	.	255	.	255	.	0
Broadcast	192	.	168	.	0	.	255
Gateway	192	.	168	.	0	.	1

RAILROAD PREEMPTION

RR 1

(3-1-1)	Timing	Phase Flags (3-1-2)			Pedestrian Flags (3-1-3)			Overlap Flags (3-1-4)		
Delay		Grn Hold	Yel Flash	Red Flash	Walk	Flash DW	Solid DW	Grn Hold	Yel Flash	Red Flash
Clear 1	10	. 2 . . 5 . . .	. . . . .	. . . . .	. . . . .	. . . . .	. 2 . 4 . 6 . 8	. . . . .	. . . . .	. . . . .
Clear 2		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Clear 3		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Hold		. . . . .	. . . . .	1 2 3 4 5 6 7 8	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	A B C D E F
Exit										
Min Grn										
Ped Clr										

Exit Parameters (3-1-5)			
Phase Green	Overlap Green	Vehicle Call	Ped Call
. . . . .	. . . . .	1 2 3 4 5 6 7 8	. 2 . 4 . 6 . 8

Configuration (3-1-6)			
Primary Port	Secondary Port	Latching	Power-Up
2.5	0.0	YES	FLASHING

RR 2

(3-2-1)	Timing	Phase Flags (3-2-2)			Pedestrian Flags (3-2-3)			Overlap Flags (3-2-4)		
Delay		Grn Hold	Yel Flash	Red Flash	Walk	Flash DW	Solid DW	Grn Hold	Yel Flash	Red Flash
Clear 1	10	. . . 4 . . 7 .	. . . . .	. . . . .	. . . . .	. . . . .	. 2 . 4 . 6 . 8	. . . . .	. . . . .	. . . . .
Clear 2		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Clear 3		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Hold		1 2 3 . . 6 . .	. . . . .	. . . . .	. 2 . . . 6 . .	. . . . .	. . . 4 . . . 8	. . . . .	. . . . .	. . . . .
Exit										
Min Grn										
Ped Clr										

Exit Parameters (3-2-5)			
Phase Green	Overlap Green	Vehicle Call	Ped Call
. . . . .	. . . . .	. . . 4 . . 7 .	. . . . .

Configuration (3-2-6)			
Primary Port	Secondary Port	Latching	Power-up
2.6	0.0	YES	DARK

EMERGENCY VEHICLE PREEMPTION

EVA (3-A)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	30	30	. 2 . . 5 . . .	. . . . .

Port	Latching	Phase Termination
5.5	NO	ADVANCE

EVB (3-B)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	30	30	. . . 4 . . 7 .	. . . . .

Port	Latching	Phase Termination
5.6	NO	ADVANCE

EVC (3-C)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	30	30	1 . . . . 6 . .	. . . . .

Port	Latching	Phase Termination
5.7	NO	ADVANCE

EVD (3-D)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	30	30	. . 3 8	. . . . .

Port	Latching	Phase Termination
5.8	NO	ADVANCE

INPUTS

		7 Wire I/C (2-1-5-1)			
		Input	Port	Input	Port
Enable	NO	R1	3.8	Free	3.6
Max ON		R2	3.5	D2	2.8
Max OFF		R3	3.7	D3	6.1

Manual Control (2-1-5-2)	
Input	Port
Manual Advance	
Advance Enable	

Cabinet Status (2-1-5-3)	
Input	Port
Flash Bus	
Door Ajar	
Flash Sense	6.7
Stop Time	6.8

Special Function (2-1-5-4)	
Input	Port
1	
2	
3	
4	

Battery Backup (2-1-5-5)	
Port	Operation
2.7	FLASHING

Y-Coordination (2-1-5-6)	
Port C	Port D
6.1	2.8

OUTPUTS

Loadswitch Assignments (2-1-6)							+
A	1	2	22	3	4	24	9
B	5	6	26	7	8	28	10
X	13	14	0	11	12	0	0

Loadswitch Codes:

0 Unused (no output)
1-8 Vehicle 1-8
9-14 Overlap A-F
21-28 Ped 1-8
41-47 Special Functions
41 Protected Permissive Flashing Phase 1
43 Protected Permissive Flashing Phase 3
45 Protected Permissive Flashing Phase 5
47 Protected Permissive Flashing Phase 7
51-57 Special Functions
71-72 Seven Wire I/C

\+ middle output of loadswitches 3 and 6
Channel 9 and 10

TRANSIT PRIORITY

Local Plans (3-E) 1...9 11...19		Early Green	Green Extend	Inhibit Cycles	Phase 1 Minimum	Phase 2 Minimum	Phase 3 Minimum	Phase 4 Minimum	Phase 5 Minimum	Phase 6 Minimum	Phase 7 Minimum	Phase 8 Minimum
Plan 1	Green Factor											
Plan 2	Green Factor											
Plan 3	Green Factor											
Plan 4	Green Factor											
Plan 5	Green Factor											
Plan 6	Green Factor											
Plan 7	Green Factor											
Plan 8	Green Factor											
Plan 9	Green Factor											
Plan 11	Green Factor											
Plan 12	Green Factor											
Plan 13	Green Factor											
Plan 14	Green Factor											
Plan 15	Green Factor											
Plan 16	Green Factor											
Plan 17	Green Factor											
Plan 18	Green Factor											
Plan 19	Green Factor											

Transit Priority Configuration (3-E-A)				Indicator Output	
Enable in Plans		Input	Type	Stop	Go
Plan 1-9	. . . . .	0.0	OPT	0	0
Plan 11-19	. . . . .	0.0	OPT	0	0

Queue Jump (3-E-B)	
Grn Hold	Hold Phase
	. . . . .
	. . . . .

Free Plans (3-E-E)	
Max Grn Hold	Hold Phase
	. . . . .

Access Utilities (9-5)	
Password	***
Timeout	30

YELLOW YIELD COORDINATION

					Force-Offs											
Y-Coord Plans (7-C,D)	Long Grn	No Grn	Offset	Perm	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	Coord	Lag	Min Recall	Restricted
Plan C													. 2 . . . 6 . .	. 2 . 4 . 6 . 8	. . . . .	. . . . .
Plan D													. 2 . . . 6 . .	. 2 . 4 . 6 . 8	. . . . .	. . . . .

TRUCK PRIORITY

Truck Priority (3-F)	Passage	CarryOver	Clearance	Next Priority	Phase Green	Det 2 Port	Det 3 Port	Det 4 Port	Sign Output	Slave Input	Slave Output
					. . . . .	0.0	0.0	0.0	0	0.0	0

Location: US395 @ Phelan/Main RD
System: Isolated
District: 08
Master At:
I/C: NADER ARJO

Designed By: NADER ARJOMANDI
Installed By: NADER ARJOMANDI
Service Info: NADER ARJOMANDI

Timing Change:	Date Start:	Date End:	Designed:	Installed:
6/22/2021	3/16/2000			9/23/2014

		FLASH
PHASE	1) WEST BOUND LEFT TURN	[ ]
	2) EAST BOUND THRU	[ ]
	3) NORTH BOUND LEFT TURN	[ ]
	4) SOUTH BOUND THRU	[ ]
	5) EAST BOUND LEFT TURN	[ ]
	6) WEST BOUND THRU	[ ]
	7) SOUTH BOUND LEFT TURN	[ ]
	8) NORTH BOUND THRU	[ ]
OVERLAP	A)	[ ]
	B)	[ ]
	C)	[ ]
	D)	[ ]
	E)	[ ]
	F)	[ ]

Intersection Layout

Comments and Notes:
YELLOW TIMING WAS UPDATED ON 06/22/2021. NADER

RAM Checksum

Page 2: 1DDF	Page 8: 85AF
Page 3: 6836	Page 9: D2FD
Page 4: F66F	Page 10: C24F
Page 5: 191A	Page 11: 3B99
Page 6: 191A	Page 12: D68F
Page 7: D622	Page 13: 86F7

CONFIGURATION PHASE FLAGS

Cabinet
332
Configuration
CALTRANS

Phases (2-1-1-1)	
Permitted	1 2 3 4 5 6 7 8
Restricted	. . . . .

Phase Recalls (2-1-1-2)	
Vehicle Min	. . . 4 . . . 8
Vehicle Max	. . . . .
Pedestrian	. . . . .
Bicycle	. . . . .

Phase Locks (2-1-1-3)	
Red	. . . . .
Yellow	. 2 . . . 6 . .
Force/Max	. . . . .

Phase Features (2-1-1-4)	
Double Entry	. . . . .
Rest In Walk	. . . . .
Rest In Red	. . . . .
Walk 2	. . . . .
Max Green 2	. . . . .
Max Green 3	. . . . .

Startup (2-1-1-5)	
First Green Phases	. 2 . . . 6 . .
Yellow Start Phases	. . . . .
Vehicle Calls	1 2 3 4 5 6 7 8
Pedestrian Calls	. . . . .
Yellow Start Overlaps	. . . . .
Startup All-Red	6.0

Call To Phase (2-1-2-1)		Omit On Green	
1	. . . . .	1	. . . . .
2	. . . . .	2	. . . . .
3	. . . . .	3	. . . . .
4	. . . . .	4	. . . . .
5	. . . . .	5	. . . . .
6	. . . . .	6	. . . . .
7	. . . . .	7	. . . . .
8	. . . . .	8	. . . . .

Flashing Colors (2-1-2-2)	
Yellow Flash Phases	. . . . .
Yellow Flash Overlap	. . . . .
Flash In Red Phases	. . . . .
Flash In Red Overlaps	. . . . .

Special Operation (2-1-2-3)	
Single Exit Phase	. . . . .
Driveway Signal Phases	. . . . .
Driveway Signal Overlaps	. . . . .
Leading Ped Phases	. . . . .

Protected Permissive (2-1-2-4)	
Protected Permissive	. . . . .

Pedestrian (2-1-3)	
P1	. . . . .
P2	. . . . .
P3	. . . . .
P4	. . . . .
P5	. . . . .
P6	. . . . .
P7	. . . . .
P8	. . . . .

Overlap (2-1-4)				
Overlap	Parent	Omit	No Start	Not
A	. . . . .	. . . . .	. . . . .	. . . . .
B	. . . . .	. . . . .	. . . . .	. . . . .
C	. . . . .	. . . . .	. . . . .	. . . . .
D	. . . . .	. . . . .	. . . . .	. . . . .
E	. . . . .	. . . . .	. . . . .	. . . . .
F	. . . . .	. . . . .	. . . . .	. . . . .

PHASE TIMING

Phase (2-2)	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
--- Walk 1 ---	0	0	0	0	0	0	0	0
Flash Don't Walk	0	0	0	0	0	0	0	0
Minimum Green	5	28	5	28	5	28	5	28
Det Limit	0	0	0	0	0	0	0	0
Max Initial	0	0	0	0	0	0	0	0
Max Green 1	20	20	45	30	20	20	30	30
Max Green 2	0	0	0	0	0	0	0	0
Max Green 3	0	0	0	0	0	0	0	0
Extension	2.5	3.0	2.5	3.5	2.5	3.0	2.5	3.5
Maximum Gap	2.5	3.0	2.5	3.5	2.5	3.0	2.5	3.5
Minimum Gap	2.5	3.0	2.5	3.5	2.5	3.0	2.5	3.5
Add Per Vehicle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce Gap By	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce Every	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow	3.7	5.5	3.7	5.5	3.7	5.5	3.7	5.5
All-Red	1.0	2.0	1.0	2.0	1.0	2.0	1.0	2.0

Ped/Bike (2-3)	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
--- Walk 2 ---	0	0	0	0	0	0	0	0
Delay/Early Walk	0	0	0	0	0	0	0	0
Solid Don't Walk	0	0	0	0	0	0	0	0
Bike Green	0	0	0	0	0	0	0	0
Bike All-Red	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

OVERLAP TIMING

Overlap (2-4)	A	B	C	D	E	F
Green	0.0	0.0	0.0	0.0	0.0	0.0
Yellow	5.0	5.0	5.0	5.0	5.0	5.0
Red	0.0	0.0	0.0	0.0	0.0	0.0

Red Revert

Red Revert (2-5)	
Time	5.0
All-Red Sec/Min (2-6)	
All-Red Sec/Min:	OFF

Max 2 Extension

Max/Gap Out (2-7)	
Max Cnt	0
Gap Cnt	0

Local Plan 1...9 (7-1) TIMING DATA

COORDINATION

[Offsets] Green Factors or Press [F] to Select Force-Off

		Cycle	Multi	Lag Gap	A	B	C	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 1	Green Factor			.....											
Plan 2	Green Factor			.....											
Plan 3	Green Factor			.....											
Plan 4	Green Factor			.....											
Plan 5	Green Factor			.....											
Plan 6	Green Factor			.....											
Plan 7	Green Factor			.....											
Plan 8	Green Factor			.....											
Plan 9	Green Factor			.....											

Master Timer Sync (7-A)	
Enable in Plans	
1-9	.....
11-19	.....
21-29	.....

Master Sub Master	
Input	
Output	

FREE PLAN PHASE FLAGS

(7-E) Free	
Lag	Omit
. 2 . 4 . 6 . 8	.....
Veh Min	Veh Max
. . . 4 . . . 8	.....
Ped	Bike
.....	.....
Cond	Cond Grn
.....	10

Local Plan 1...9 (7-1) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 1	.....	.....	.....	.....	.....	.....	.....	.....
Plan 2	.....	.....	.....	.....	.....	.....	.....	.....
Plan 3	.....	.....	.....	.....	.....	.....	.....	.....
Plan 4	.....	.....	.....	.....	.....	.....	.....	.....
Plan 5	.....	.....	.....	.....	.....	.....	.....	.....
Plan 6	.....	.....	.....	.....	.....	.....	.....	.....
Plan 7	.....	.....	.....	.....	.....	.....	.....	.....
Plan 8	.....	.....	.....	.....	.....	.....	.....	.....
Plan 9	.....	.....	.....	.....	.....	.....	.....	.....

MANUAL COMMANDS

Manual Plan (4-1)	
Plan	OffSet
	A

Plan: 1-9
15 or 254 = Flash
14 or 255 = Free
Offset A, B, or C

Special Function Override (4-2)			
#	Control	#	Control
1	NORMAL	3	NORMAL
2	NORMAL	4	NORMAL

Detector Reset	(4-3)
Local Manual (4-4)	OFF

Local Plan 11...19 (7-2) TIMING DATA

COORDINATION

[Offsets] Green Factors or Press [F] to Select Force-Off

		Cycle	Multi	Lag Gap	A	B	C	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 11	Green Factor			.....											
Plan 12	Green Factor			.....											
Plan 13	Green Factor			.....											
Plan 14	Green Factor			.....											
Plan 15	Green Factor			.....											
Plan 16	Green Factor			.....											
Plan 17	Green Factor			.....											
Plan 18	Green Factor			.....											
Plan 19	Green Factor			.....											

Local Plan 11...19 (7-2) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 11	.....	.....	.....	.....	.....	.....	.....	.....
Plan 12	.....	.....	.....	.....	.....	.....	.....	.....
Plan 13	.....	.....	.....	.....	.....	.....	.....	.....
Plan 14	.....	.....	.....	.....	.....	.....	.....	.....
Plan 15	.....	.....	.....	.....	.....	.....	.....	.....
Plan 16	.....	.....	.....	.....	.....	.....	.....	.....
Plan 17	.....	.....	.....	.....	.....	.....	.....	.....
Plan 18	.....	.....	.....	.....	.....	.....	.....	.....
Plan 19	.....	.....	.....	.....	.....	.....	.....	.....

Local Plan 21...29 (7-3) TIMING DATA

COORDINATION

[Offsets] Green Factors or Press [F] to Select Force-Off

		Cycle	Multi	Lag Gap	A	B	C	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 21	Green Factor			.....											
Plan 22	Green Factor			.....											
Plan 23	Green Factor			.....											
Plan 24	Green Factor			.....											
Plan 25	Green Factor			.....											
Plan 26	Green Factor			.....											
Plan 27	Green Factor			.....											
Plan 28	Green Factor			.....											
Plan 29	Green Factor			.....											

Local Plan 21...29 (7-3) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 21	.....	.....	.....	.....	.....	.....	.....	.....
Plan 22	.....	.....	.....	.....	.....	.....	.....	.....
Plan 23	.....	.....	.....	.....	.....	.....	.....	.....
Plan 24	.....	.....	.....	.....	.....	.....	.....	.....
Plan 25	.....	.....	.....	.....	.....	.....	.....	.....
Plan 26	.....	.....	.....	.....	.....	.....	.....	.....
Plan 27	.....	.....	.....	.....	.....	.....	.....	.....
Plan 28	.....	.....	.....	.....	.....	.....	.....	.....
Plan 29	.....	.....	.....	.....	.....	.....	.....	.....

DETECTORS

Detector Attributes (5-1)				Slot	Detector Configuration (5-2)				
Det	Type	Phases	Lock		Det	Delay	Extend	Recall	Port
1	COUNT+CALL+EXTEND	1	NO	I1U	1			10	3.2
2	COUNT+CALL+EXTEND	1	NO	I1L	2			10	7.2
3	COUNT+CALL+EXTEND	. 2	NO	I2U	3		1.0	10	1.1
4	COUNT+CALL+EXTEND	. 2	NO	I2L	4		1.0	10	1.5
5	COUNT+CALL+EXTEND	. 2	NO	I3U	5		1.0	10	4.5
6	COUNT+CALL+EXTEND	. 2	NO	I3L	6			10	6.2
7	COUNT+CALL+EXTEND	. 2	NO	I4U	7			10	2.1
8	COUNT+CALL+EXTEND	. 2	NO	I4L	8			10	7.4
9	COUNT+CALL+EXTEND	. . 3	NO	I5U	9			10	3.4
10	COUNT+CALL+EXTEND	. . 3	NO	I5L	10			10	7.6
11	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I6U	11			10	1.3
12	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I6L	12			10	1.7
13	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I7U	13		2.0	10	4.7
14	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I7L	14			10	6.4
15	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I8U	15			10	2.3
16	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I8L	16			10	7.8
17	COUNT+CALL+EXTEND	1	NO	I9U	17			10	3.6
18	COUNT+CALL+EXTEND	. . 3	NO	I9L	18			10	3.8
19	COUNT+CALL+EXTEND	. 2	NO	I10U	19			10	4.1
20	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I10L	20			10	4.2
21	COUNT+CALL+EXTEND	. . . . 5 . . .	NO	J1U	21			10	3.1
22	COUNT+CALL+EXTEND	. . . . 5 . . .	NO	J1L	22			10	7.1
23	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J2U	23		1.0	10	1.2
24	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J2L	24		1.0	10	1.6
25	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J3U	25		1.0	10	4.6
26	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J3L	26			10	6.3
27	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J4U	27			10	2.2
28	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J4L	28			10	7.3
29	COUNT+CALL+EXTEND	. . . . . 7 .	NO	J5U	29			10	3.3
30	COUNT+CALL+EXTEND	. . . . . 7 .	NO	J5L	30			10	7.5
31	COUNT+CALL+EXTEND	 8	NO	J6U	31			10	1.4
32	COUNT+CALL+EXTEND	 8	NO	J6L	32			10	1.8
33	COUNT+CALL+EXTEND	 8	NO	J7U	33		2.0	10	4.8
34	COUNT+CALL+EXTEND	 8	NO	J7L	34		4.0	10	6.5
35	COUNT+CALL+EXTEND	 8	NO	J8U	35			10	2.4
36	COUNT+CALL+EXTEND	 8	NO	J8L	36			10	7.7
37	COUNT+CALL+EXTEND	. . . . 5 . . .	NO	J9U	37			10	3.5
38	COUNT+CALL+EXTEND	. . . . . 7 .	NO	J9L	38			10	3.7
39	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J10U	39			10	4.3
40	COUNT+CALL+EXTEND	 8	NO	J10L	40			10	4.4
41	PEDESTRIAN	. 2	NO	I12U	41			10	5.1
42	PEDESTRIAN	. . . 4 . . .	NO	I12L	42			10	5.3
43	PEDESTRIAN	. . . . . 6 . .	NO	I13U	43			10	5.2
44	PEDESTRIAN	 8	NO	I13L	44			10	5.4

Failure Times(5-3)	Minutes
Maximum On Time	
Fail Reset Time	

Failure Override (5-4)	
Detectors 1-8	. . . . .
Detectors 9-16	. . . . .
Detectors17-24	. . . . .
Detectors 25-32	. . . . .
Detectors 33-40	. . . . .
Detectors 41-44	. . . . .

System Detector Assignment (5-5)

Sys Det	1	2	3	4	5	6	7	8
Det Num								
Sys Det	9	10	11	12	13	14	15	16
Det Num								

CIC Operation (5-6-1)	
Enable in Plans	. . . . .

CIC Values (5-6-2)	Volume	Occupancy	Demand
Smoothing	0.66	0.66	0.66
Multiplier	4.0	0.33	
Exponent	0.50	1.00	

Detector-to-Phase Assignment (5-6-3)

Sys Det	1	2	3	4	5	6	7	8
Phase								
Sys Det	9	10	11	12	13	14	15	16
Phase								

Input File Port-Bit Assignments

332 Cabinet - For Reference Only

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
I-	3.2	1.1	4.5	2.1	3.4	1.3	4.7	2.3	3.6	4.1	6.6	5.1	5.2	6.7
	7.2	1.5	6.2	7.4	7.6	1.7	6.4	7.8	3.8	4.2	2.7	5.3	5.4	6.8
J-	3.1	1.2	4.6	2.2	3.3	1.4	4.8	2.4	3.5	4.3	2.8	5.5	5.6	2.5
	7.1	1.6	6.3	7.3	7.5	1.8	6.5	7.7	3.7	4.4	6.1	5.7	5.8	2.6

TOD SCHEDULE

Table 1 (8-2-1)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 2 (8-2-2)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 3 (8-2-3)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 4 (8-2-4)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 5 (8-2-5)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 6 (8-2-6)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

WEEKDAY ASSIGNMENT

Weekday Table Assignments (8-2-7)						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	1	1	1	1	2	2

HOLIDAY TABLES

Floating Holiday Table (8-2-8)

#	Mnth	Week	DOW	Table
1			.....	
2			.....	
3			.....	
4			.....	
5			.....	
6			.....	
7			.....	
8			.....	
9			.....	
10			.....	
11			.....	
12			.....	
13			.....	
14			.....	
15			.....	
16			.....	

Fixed Holiday Table (8-2-9)

#	Mnth	Day	DOW	Table
1			.....	
2			.....	
3			.....	
4			.....	
5			.....	
6			.....	
7			.....	
8			.....	
9			.....	
10			.....	
11			.....	
12			.....	
13			.....	
14			.....	
15			.....	
16			.....	

Solar Clock Data (8-4)

North Latitude	34
West Longitude	118
Local Time Zone	8

Sabbatical Clock (8-5)

Hebrew	Ped Recall
Sabbath	.....
Holiday	.....

Daylight Saving (8-6)

Enabled	YES

TOD FUNCTIONS

TOD Functions (8-3)

#	Start	End	DOW	Action	Phases
1			.....		.....
2			.....		.....
3			.....		.....
4			.....		.....
5			.....		.....
6			.....		.....
7			.....		.....
8			.....		.....
9			.....		.....
10			.....		.....
11			.....		.....
12			.....		.....
13			.....		.....
14			.....		.....
15			.....		.....
16			.....		.....

Action Codes:

0. None
1. Permitted
2. Restricted
4. Veh Min Recall
5. Veh Max Recall
6. Ped Recall
7. Bike Recall
8. Red Lock
9. Yellow Lock
10. Force/Max Lock
11. Double Entry
12. Y-Coord C
13. Y-Coord D
14. Free
15. Flashing
16. Walk 2
17. Max Green 2
18. Max Green 3
19. Rest in Walk
20. Rest in Red
21. Free Lag Phases
22. Special Functions
23. Truck Preempt
24. Conditional Service
25. Conditional Service
26. Leading Ped
27. Traffic Actuated Max 2
41. Protected Permissive
42. Protected Permissive

Action Code = Phases added to normal setting

100+Action Code = Phases removed

200+Action Code = Phases replaced

COMMUNICATIONS

C2 (6-1-1)	
Address	
Protocol	AB3418
Access Level	0
Baud	1200
Parity	NONE
Data Bits	8
Stop Bits	1
RTS On Time	20
RTS Off Time	20
Handshaking	NORMAL

C20 (6-1-2)	
Address	
Protocol	AB3418
Access Level	0
Baud	1200
Parity	NONE
Data Bits	8
Stop Bits	1
RTS On Time	20
RTS Off Time	20
Handshaking	NORMAL

C21 (6-1-3)	
Address	
Protocol	AB3418
Access Level	0
Baud	1200
Parity	NONE
Data Bits	8
Stop Bits	1
RTS On Time	20
RTS Off Time	20
Handshaking	NORMAL

Access Levels:

0-Full Access
1-Status Only
2-Status, Set Pattern, Time
3-Status, Set Pattern, Time, Manual Plan
4-Reserved
5-Full Access with No Set Pattern
6-Full Access with No Set Time
7-Full Access with No Set Pattern, Manual Plan
8-Full Access with No Set Time, Pattern, Manual Plan

SOFT LOGIC

Soft Logic (6-2)

#	Data	OP	Data	OP	Data	OP	Data
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

*Refer to User's Manual for Data and OP Codes

CALLBACK NUMBERS

Callback Numbers (6-3...3)	
Line Out	
Local Toll	
Long Distance	
Delay	10
Area Code	
Phone Number	

Line Out	
Local Toll	
Long Distance	
Delay	10
Area Code	
Phone Number	

Line Out	
Local Toll	
Long Distance	
Delay	10
Area Code	
Phone Number	

NETWORK

Network (6-4)	
Address	2
Protocol	AB3418
Port	27000
Type	STATIC
Central Access	0
Field Access	0

IP Address	192	.	168	.	0	.	102
Netmask	255	.	255	.	255	.	0
Broadcast	192	.	168	.	0	.	255
Gateway	192	.	168	.	0	.	1

RAILROAD PREEMPTION

RR 1

(3-1-1)	Timing	Phase Flags (3-1-2)			Pedestrian Flags (3-1-3)			Overlap Flags (3-1-4)		
Delay		Grn Hold	Yel Flash	Red Flash	Walk	Flash DW	Solid DW	Grn Hold	Yel Flash	Red Flash
Clear 1	10	. 2 . . 5 . . .	. . . .	. . . .	. . . .	. . . .	. 2 . 4 . 6 . 8	. . . . . .	. . . . . .	. . . . . .
Clear 2		. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . . . .	. . . . . .	. . . . . .
Clear 3		. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . . . .	. . . . . .	. . . . . .
Hold		. . . .	. . . .	1 2 3 4 5 6 7 8	. . . .	. . . .	. . . .	. . . . . .	. . . . . .	A B C D E F
Exit										
Min Grn										
Ped Clr										

Exit Parameters (3-1-5)

Phase Green	Overlap Green	Vehicle Call	Ped Call
. . . .	. . . . . .	1 2 3 4 5 6 7 8	. 2 . 4 . 6 . 8

Configuration (3-1-6)

Primary Port	Secondary Port	Latching	Power-Up
2.5	0.0	YES	FLASHING

RR 2

(3-2-1)	Timing	Phase Flags (3-2-2)			Pedestrian Flags (3-2-3)			Overlap Flags (3-2-4)		
Delay		Grn Hold	Yel Flash	Red Flash	Walk	Flash DW	Solid DW	Grn Hold	Yel Flash	Red Flash
Clear 1	10	. . . 4 . . 7 .	. . . .	. . . .	. . . .	. . . .	. 2 . 4 . 6 . 8	. . . . . .	. . . . . .	. . . . . .
Clear 2		. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . . . .	. . . . . .	. . . . . .
Clear 3		. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . . . .	. . . . . .	. . . . . .
Hold		1 2 3 . . 6 . .	. . . .	. . . .	. 2 . . . 6 . .	. . . .	. . . 4 . . . 8	. . . . . .	. . . . . .	. . . . . .
Exit										
Min Grn										
Ped Clr										

Exit Parameters (3-2-5)

Phase Green	Overlap Green	Vehicle Call	Ped Call
. . . .	. . . . . .	. . . 4 . . 7 .	. . . .

Configuration (3-2-6)

Primary Port	Secondary Port	Latching	Power-up
2.6	0.0	YES	DARK

EMERGENCY VEHICLE PREEMPTION

EVA (3-A)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	10	30	. 2 . . 5 . . .	. . . . . .

Port	Latching	Phase Termination
5.5	NO	ADVANCE

EVB (3-B)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	10	30	. . . 4 . . 7 .	. . . . . .

Port	Latching	Phase Termination
5.6	NO	ADVANCE

EVC (3-C)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	10	30	1 . . . . 6 . .	. . . . . .

Port	Latching	Phase Termination
5.7	NO	ADVANCE

EVD (3-D)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	10	30	. . 3 8	. . . . . .

Port	Latching	Phase Termination
5.8	NO	ADVANCE

INPUTS

		7 Wire I/C (2-1-5-1)			
		Input	Port	Input	Port
Enable	NO	R1	3.8	Free	3.6
Max ON		R2	3.5	D2	2.8
Max OFF		R3	3.7	D3	6.1

Manual Control (2-1-5-2)	
Input	Port
Manual Advance	
Advance Enable	

Cabinet Status (2-1-5-3)	
Input	Port
Flash Bus	
Door Ajar	
Flash Sense	6.7
Stop Time	6.8

Special Function (2-1-5-4)	
Input	Port
1	
2	
3	
4	

Battery Backup (2-1-5-5)	
Port	Operation
2.7	FLASHING

Y-Coordination (2-1-5-6)	
Port C	Port D
6.1	2.8

OUTPUTS

Loadswitch Assignments (2-1-6)							+
A	1	2	22	3	4	24	9
B	5	6	26	7	8	28	10
X	13	14	0	11	12	0	0

Loadswitch Codes:

0 Unused (no output)
1-8 Vehicle 1-8
9-14 Overlap A-F
21-28 Ped 1-8
41-47 Special Functions
41 Protected Permissive Flashing Phase 1
43 Protected Permissive Flashing Phase 3
45 Protected Permissive Flashing Phase 5
47 Protected Permissive Flashing Phase 7
51-57 Special Functions
71-72 Seven Wire I/C

\+ middle output of loadswitches 3 and 6 Channel 9 and 10

TRANSIT PRIORITY

Local Plans (3-E) 1...9 11...19		Early Green	Green Extend	Inhibit Cycles	Phase 1 Minimum	Phase 2 Minimum	Phase 3 Minimum	Phase 4 Minimum	Phase 5 Minimum	Phase 6 Minimum	Phase 7 Minimum	Phase 8 Minimum
Plan 1	Green Factor											
Plan 2	Green Factor											
Plan 3	Green Factor											
Plan 4	Green Factor											
Plan 5	Green Factor											
Plan 6	Green Factor											
Plan 7	Green Factor											
Plan 8	Green Factor											
Plan 9	Green Factor											
Plan 11	Green Factor											
Plan 12	Green Factor											
Plan 13	Green Factor											
Plan 14	Green Factor											
Plan 15	Green Factor											
Plan 16	Green Factor											
Plan 17	Green Factor											
Plan 18	Green Factor											
Plan 19	Green Factor											

Transit Priority Configuration (3-E-A)				Indicator Output	
Enable in Plans		Input	Type	Stop	Go
Plan 1-9	. . . . .	0.0	OPT	0	0
Plan 11-19	. . . . .	0.0	OPT	0	0

Queue Jump (3-E-B)	
Grn Hold	Hold Phase
	. . . . .
	. . . . .

Free Plans (3-E-E)	
Max Grn Hold	Hold Phase
	. . . . .

Access Utilities (9-5)	
Password	***
Timeout	30

YELLOW YIELD COORDINATION

					Force-Offs											
Y-Coord Plans (7-C,D)	Long Grn	No Grn	Offset	Perm	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	Coord	Lag	Min Recall	Restricted
Plan C													. 2 . . . 6 . .	. 2 . 4 . 6 . 8	. . . . .	. . . . .
Plan D													. 2 . . . 6 . .	. 2 . 4 . 6 . 8	. . . . .	. . . . .

TRUCK PRIORITY

Truck Priority (3-F)	Passage	CarryOver	Clearance	Next Priority	Phase Green	Det 2 Port	Det 3 Port	Det 4 Port	Sign Output	Slave Input	Slave Output
					. . . . .	0.0	0.0	0.0	0	0.0	0

Location: US395 @Three Flags PM: 4.710
System: **District:**
Master At: **I/C:**

Designed By: Nader Arjomandi
Installed By: Nader Arjomandi
Service Info:

Timing Change:	Date Start:	Date End:	Designed:	Installed:
6/22/2021				

		FLASH
PHASE	1) SOUTH BOUND LEFT TURN	[ ]
	2) NORTH BOUND THRU	[ ]
	3)	[ ]
	4) EAST BOUND THRU	[ ]
	5) NORTH BOUND LEFT TURN	[ ]
	6) SOUTH BOUND THRU	[ ]
	7)	[ ]
	8) WEST BOUND THRU	[ ]

OVERLAP	A)	[ ]
	B)	[ ]
	C)	[ ]
	D)	[ ]
	E)	[ ]
	F)	[ ]

Intersection Layout

Comments and Notes:
Yellow time was updated on 6/22/2021

RAM Checksum

Page 2: EEE5	Page 8: 85AF
Page 3: 21B7	Page 9: D2FD
Page 4: F29E	Page 10: FEF5
Page 5: 191A	Page 11: C3CB
Page 6: 191A	Page 12: D68F
Page 7: 398C	Page 13: 86F7

CONFIGURATION PHASE FLAGS

Cabinet
332
Configuration
CALTRANS

Phases (2-1-1-1)	
Permitted	1 2 . 4 5 6 . 8
Restricted	. . . . .

Phase Recalls (2-1-1-2)	
Vehicle Min	. 2 . . . 6 . .
Vehicle Max	. . . . .
Pedestrian	. . . . .
Bicycle	. . . . .

Phase Locks (2-1-1-3)	
Red	. . . . .
Yellow	. . . . .
Force/Max	. . . . .

Phase Features (2-1-1-4)	
Double Entry	. . . . .
Rest In Walk	. . . . .
Rest In Red	. . . . .
Walk 2	. . . . .
Max Green 2	. . . . .
Max Green 3	. . . . .

Startup (2-1-1-5)	
First Green Phases	. 2 . . . 6 . .
Yellow Start Phases	. . . . .
Vehicle Calls	1 2 . 4 5 6 . 8
Pedestrian Calls	. 2 . . . . .
Yellow Start Overlaps	. . . . .
Startup All-Red	6.0

Call To Phase (2-1-2-1)		Omit On Green	
1	. . . . .	1	. . . . .
2	. . . . .	2	. . . . .
3	. . . . .	3	. . . . .
4	. . . . .	4	. . . . .
5	. . . . .	5	. . . . .
6	. . . . .	6	. . . . .
7	. . . . .	7	. . . . .
8	. . . . .	8	. . . . .

Flashing Colors (2-1-2-2)	
Yellow Flash Phases	. . . . .
Yellow Flash Overlap	. . . . .
Flash In Red Phases	. . . . .
Flash In Red Overlaps	. . . . .

Special Operation (2-1-2-3)	
Single Exit Phase	. . . . .
Driveway Signal Phases	. . . . .
Driveway Signal Overlaps	. . . . .
Leading Ped Phases	. . . . .

Protected Permissive (2-1-2-4)	
Protected Permissive	. . . . .

Pedestrian (2-1-3)	
P1	. . . . .
P2	. 2 . . . . .
P3	. . . . .
P4	. . . . .
P5	. . . . .
P6	. . . . .
P7	. . . . .
P8	. . . . .

Overlap (2-1-4)				
Overlap	Parent	Omit	No Start	Not
A	. . . . .	. . . . .	. . . . .	. . . . .
B	. . . . .	. . . . .	. . . . .	. . . . .
C	. . . . .	. . . . .	. . . . .	. . . . .
D	. . . . .	. . . . .	. . . . .	. . . . .
E	. . . . .	. . . . .	. . . . .	. . . . .
F	. . . . .	. . . . .	. . . . .	. . . . .

PHASE TIMING

Phase (2-2)	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
--- Walk 1 ---	0	7	0	0	0	0	0	0
Flash Don't Walk	0	34	0	0	0	0	0	0
Minimum Green	5	5	0	5	5	5	0	5
Det Limit	0	0	0	0	0	0	0	0
Max Initial	0	0	0	0	0	0	0	0
Max Green 1	20	50	0	20	20	50	0	20
Max Green 2	0	0	0	0	0	0	0	0
Max Green 3	0	0	0	0	0	0	0	0
Extension	2.0	3.0	0.0	2.0	2.0	3.0	0.0	2.0
Maximum Gap	2.0	3.0	0.0	2.0	2.0	3.0	0.0	2.0
Minimum Gap	2.0	3.0	0.0	2.0	2.0	3.0	0.0	2.0
Add Per Vehicle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce Gap By	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce Every	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow	4.0	5.5	3.0	5.0	4.0	5.5	3.0	5.0
All-Red	1.0	1.0	0.0	1.0	1.0	1.0	0.0	1.0

Ped/Bike (2-3)	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
--- Walk 2 ---	0	0	0	0	0	0	0	0
Delay/Early Walk	0	0	0	0	0	0	0	0
Solid Don't Walk	0	0	0	0	0	0	0	0
Bike Green	0	0	0	0	0	0	0	0
Bike All-Red	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

OVERLAP TIMING

Overlap (2-4)	A	B	C	D	E	F
Green	0.0	0.0	0.0	0.0	0.0	0.0
Yellow	5.0	5.0	5.0	5.0	5.0	5.0
Red	0.0	0.0	0.0	0.0	0.0	0.0

Red Revert

Red Revert (2-5)	
Time	5.0
All-Red Sec/Min (2-6)	
All-Red Sec/Min:	OFF

Max 2 Extension

Max/Gap Out (2-7)	
Max Cnt	0
Gap Cnt	0

Local Plan 1...9 (7-1) TIMING DATA

COORDINATION

[Offsets] Green Factors or Press [F] to Select Force-Off

		Cycle	Multi	Lag Gap	A	B	C	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 1	Green Factor			.....											
Plan 2	Green Factor			.....											
Plan 3	Green Factor			.....											
Plan 4	Green Factor			.....											
Plan 5	Green Factor			.....											
Plan 6	Green Factor			.....											
Plan 7	Green Factor			.....											
Plan 8	Green Factor			.....											
Plan 9	Green Factor			.....											

Master Timer Sync (7-A)	
Enable in Plans	
1-9	.....
11-19	.....
21-29	.....

Master Sub Master	
Input	
Output	

FREE PLAN PHASE FLAGS

(7-E) Free	
Lag	Omit
. 2 . 4 . 6 . 8	.....
Veh Min	Veh Max
. 2 . . . 6 . .	.....
Ped	Bike
.....	.....
Cond	Cond Grn
.....	10

Local Plan 1...9 (7-1) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 1	.....	.....	.....	.....	.....	.....	.....	.....
Plan 2	.....	.....	.....	.....	.....	.....	.....	.....
Plan 3	.....	.....	.....	.....	.....	.....	.....	.....
Plan 4	.....	.....	.....	.....	.....	.....	.....	.....
Plan 5	.....	.....	.....	.....	.....	.....	.....	.....
Plan 6	.....	.....	.....	.....	.....	.....	.....	.....
Plan 7	.....	.....	.....	.....	.....	.....	.....	.....
Plan 8	.....	.....	.....	.....	.....	.....	.....	.....
Plan 9	.....	.....	.....	.....	.....	.....	.....	.....

MANUAL COMMANDS

Manual Plan (4-1)	
Plan	OffSet
	A

Plan: 1-9
15 or 254 = Flash
14 or 255 = Free
Offset A, B, or C

Special Function Override (4-2)			
#	Control	#	Control
1	NORMAL	3	NORMAL
2	NORMAL	4	NORMAL

Detector Reset	(4-3)
Local Manual (4-4)	OFF

Local Plan 11...19 (7-2) TIMING DATA

COORDINATION

[Offsets] Green Factors or Press [F] to Select Force-Off

		Cycle	Multi	Lag Gap	A	B	C	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 11	Green Factor			.....											
Plan 12	Green Factor			.....											
Plan 13	Green Factor			.....											
Plan 14	Green Factor			.....											
Plan 15	Green Factor			.....											
Plan 16	Green Factor			.....											
Plan 17	Green Factor			.....											
Plan 18	Green Factor			.....											
Plan 19	Green Factor			.....											

Local Plan 11...19 (7-2) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 11	.....	.....	.....	.....	.....	.....	.....	.....
Plan 12	.....	.....	.....	.....	.....	.....	.....	.....
Plan 13	.....	.....	.....	.....	.....	.....	.....	.....
Plan 14	.....	.....	.....	.....	.....	.....	.....	.....
Plan 15	.....	.....	.....	.....	.....	.....	.....	.....
Plan 16	.....	.....	.....	.....	.....	.....	.....	.....
Plan 17	.....	.....	.....	.....	.....	.....	.....	.....
Plan 18	.....	.....	.....	.....	.....	.....	.....	.....
Plan 19	.....	.....	.....	.....	.....	.....	.....	.....

Local Plan 21...29 (7-3) TIMING DATA

COORDINATION

[Offsets] Green Factors or Press [F] to Select Force-Off

		Cycle	Multi	Lag Gap	A	B	C	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-
Plan 21	Green Factor			.....											
Plan 22	Green Factor			.....											
Plan 23	Green Factor			.....											
Plan 24	Green Factor			.....											
Plan 25	Green Factor			.....											
Plan 26	Green Factor			.....											
Plan 27	Green Factor			.....											
Plan 28	Green Factor			.....											
Plan 29	Green Factor			.....											

Local Plan 21...29 (7-3) PHASE FLAGS

	Lag	Sync	Hold	Omit	Veh Min	Veh Max	Ped	Bike
Plan 21	.....	.....	.....	.....	.....	.....	.....	.....
Plan 22	.....	.....	.....	.....	.....	.....	.....	.....
Plan 23	.....	.....	.....	.....	.....	.....	.....	.....
Plan 24	.....	.....	.....	.....	.....	.....	.....	.....
Plan 25	.....	.....	.....	.....	.....	.....	.....	.....
Plan 26	.....	.....	.....	.....	.....	.....	.....	.....
Plan 27	.....	.....	.....	.....	.....	.....	.....	.....
Plan 28	.....	.....	.....	.....	.....	.....	.....	.....
Plan 29	.....	.....	.....	.....	.....	.....	.....	.....

DETECTORS

Detector Attributes (5-1)				Slot	Detector Configuration (5-2)				
Det	Type	Phases	Lock		Det	Delay	Extend	Recall	Port
1	COUNT+CALL+EXTEND	1	NO	I1U	1			10	3.2
2	COUNT+CALL+EXTEND	1	NO	I1L	2			10	7.2
3	COUNT+CALL+EXTEND	. 2	NO	I2U	3			10	1.1
4	COUNT+CALL+EXTEND	. 2	NO	I2L	4			10	1.5
5	COUNT+CALL+EXTEND	. 2	NO	I3U	5			10	4.5
6	COUNT+CALL+EXTEND	. 2	NO	I3L	6			10	6.2
7	COUNT+CALL+EXTEND	. 2	NO	I4U	7			10	2.1
8	COUNT+CALL+EXTEND	. 2	NO	I4L	8			10	7.4
9	COUNT+CALL+EXTEND	. . 3	NO	I5U	9			10	3.4
10	COUNT+CALL+EXTEND	. . 3	NO	I5L	10			10	7.6
11	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I6U	11			10	1.3
12	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I6L	12			10	1.7
13	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I7U	13			10	4.7
14	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I7L	14			10	6.4
15	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I8U	15			10	2.3
16	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I8L	16			10	7.8
17	COUNT+CALL+EXTEND	1	NO	I9U	17			10	3.6
18	COUNT+CALL+EXTEND	. . 3	NO	I9L	18			10	3.8
19	COUNT+CALL+EXTEND	. 2	NO	I10U	19			10	4.1
20	COUNT+CALL+EXTEND	. . . 4 . . .	NO	I10L	20			10	4.2
21	COUNT+CALL+EXTEND	. . . . 5 . . .	NO	J1U	21			10	3.1
22	COUNT+CALL+EXTEND	. . . . 5 . . .	NO	J1L	22			10	7.1
23	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J2U	23			10	1.2
24	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J2L	24			10	1.6
25	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J3U	25			10	4.6
26	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J3L	26			10	6.3
27	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J4U	27			10	2.2
28	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J4L	28			10	7.3
29	COUNT+CALL+EXTEND	. . . . . 7 .	NO	J5U	29			10	3.3
30	COUNT+CALL+EXTEND	. . . . . 7 .	NO	J5L	30			10	7.5
31	COUNT+CALL+EXTEND	 8	NO	J6U	31			10	1.4
32	COUNT+CALL+EXTEND	 8	NO	J6L	32			10	1.8
33	COUNT+CALL+EXTEND	 8	NO	J7U	33			10	4.8
34	COUNT+CALL+EXTEND	 8	NO	J7L	34			10	6.5
35	COUNT+CALL+EXTEND	 8	NO	J8U	35			10	2.4
36	COUNT+CALL+EXTEND	 8	NO	J8L	36			10	7.7
37	COUNT+CALL+EXTEND	. . . . 5 . . .	NO	J9U	37			10	3.5
38	COUNT+CALL+EXTEND	. . . . . 7 .	NO	J9L	38			10	3.7
39	COUNT+CALL+EXTEND	. . . . . 6 . .	NO	J10U	39			10	4.3
40	COUNT+CALL+EXTEND	 8	NO	J10L	40			10	4.4
41	PEDESTRIAN	. 2	NO	I12U	41			10	5.1
42	PEDESTRIAN	. . . 4 . . .	NO	I12L	42			10	5.3
43	PEDESTRIAN	. . . . . 6 . .	NO	I13U	43			10	5.2
44	PEDESTRIAN	 8	NO	I13L	44			10	5.4

Failure Times(5-3)	Minutes
Maximum On Time	
Fail Reset Time	

Failure Override (5-4)	
Detectors 1-8	. . . . .
Detectors 9-16	. . . . .
Detectors17-24	. . . . .
Detectors 25-32	. . . . .
Detectors 33-40	. . . . .
Detectors 41-44	. . . . .

System Detector Assignment (5-5)

Sys Det	1	2	3	4	5	6	7	8
Det Num								
Sys Det	9	10	11	12	13	14	15	16
Det Num								

CIC Operation (5-6-1)

Enable in Plans	. . . . .

CIC Values (5-6-2)	Volume	Occupancy	Demand
Smoothing	0.66	0.66	0.66
Multiplier	4.0	0.33	
Exponent	0.50	1.00	

Detector-to-Phase Assignment (5-6-3)

Sys Det	1	2	3	4	5	6	7	8
Phase								
Sys Det	9	10	11	12	13	14	15	16
Phase								

Input File Port-Bit Assignments

332 Cabinet - For Reference Only

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
I-	3.2	1.1	4.5	2.1	3.4	1.3	4.7	2.3	3.6	4.1	6.6	5.1	5.2	6.7
	7.2	1.5	6.2	7.4	7.6	1.7	6.4	7.8	3.8	4.2	2.7	5.3	5.4	6.8
J-	3.1	1.2	4.6	2.2	3.3	1.4	4.8	2.4	3.5	4.3	2.8	5.5	5.6	2.5
	7.1	1.6	6.3	7.3	7.5	1.8	6.5	7.7	3.7	4.4	6.1	5.7	5.8	2.6

TOD SCHEDULE

Table 1 (8-2-1)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 2 (8-2-2)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 3 (8-2-3)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 4 (8-2-4)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 5 (8-2-5)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

Table 6 (8-2-6)		
Time	Plan	OS
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A
		A

WEEKDAY ASSIGNMENT

Weekday Table Assignments (8-2-7)						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	1	1	1	1	2	2

HOLIDAY TABLES

Floating Holiday Table (8-2-8)

#	Mnth	Week	DOW	Table
1			.....	
2			.....	
3			.....	
4			.....	
5			.....	
6			.....	
7			.....	
8			.....	
9			.....	
10			.....	
11			.....	
12			.....	
13			.....	
14			.....	
15			.....	
16			.....	

Fixed Holiday Table (8-2-9)

#	Mnth	Day	DOW	Table
1			.....	
2			.....	
3			.....	
4			.....	
5			.....	
6			.....	
7			.....	
8			.....	
9			.....	
10			.....	
11			.....	
12			.....	
13			.....	
14			.....	
15			.....	
16			.....	

Solar Clock Data (8-4)

North Latitude	34
West Longitude	118
Local Time Zone	8

Sabbatical Clock (8-5)

Hebrew	Ped Recall
Sabbath	.....
Holiday	.....

Daylight Saving (8-6)

Enabled	YES

TOD FUNCTIONS

TOD Functions (8-3)

#	Start	End	DOW	Action	Phases
1			.....		.....
2			.....		.....
3			.....		.....
4			.....		.....
5			.....		.....
6			.....		.....
7			.....		.....
8			.....		.....
9			.....		.....
10			.....		.....
11			.....		.....
12			.....		.....
13			.....		.....
14			.....		.....
15			.....		.....
16			.....		.....

Action Codes:

0. None
1. Permitted
2. Restricted
4. Veh Min Recall
5. Veh Max Recall
6. Ped Recall
7. Bike Recall
8. Red Lock
9. Yellow Lock
10. Force/Max Lock
11. Double Entry
12. Y-Coord C
13. Y-Coord D
14. Free
15. Flashing
16. Walk 2
17. Max Green 2
18. Max Green 3
19. Rest in Walk
20. Rest in Red
21. Free Lag Phases
22. Special Functions
23. Truck Preempt
24. Conditional Service
25. Conditional Service
26. Leading Ped
27. Traffic Actuated Max 2
41. Protected Permissive
42. Protected Permissive

Action Code = Phases added to normal setting

100+Action Code = Phases removed

200+Action Code = Phases replaced

COMMUNICATIONS

C2 (6-1-1)	
Address	
Protocol	AB3418
Access Level	0
Baud	1200
Parity	NONE
Data Bits	8
Stop Bits	1
RTS On Time	20
RTS Off Time	20
Handshaking	NORMAL

C20 (6-1-2)	
Address	
Protocol	AB3418
Access Level	0
Baud	1200
Parity	NONE
Data Bits	8
Stop Bits	1
RTS On Time	20
RTS Off Time	20
Handshaking	NORMAL

C21 (6-1-3)	
Address	
Protocol	AB3418
Access Level	0
Baud	1200
Parity	NONE
Data Bits	8
Stop Bits	1
RTS On Time	20
RTS Off Time	20
Handshaking	NORMAL

Access Levels:

0-Full Access
1-Status Only
2-Status, Set Pattern, Time
3-Status, Set Pattern, Time, Manual Plan
4-Reserved
5-Full Access with No Set Pattern
6-Full Access with No Set Time
7-Full Access with No Set Pattern, Manual Plan
8-Full Access with No Set Time, Pattern, Manual Plan

SOFT LOGIC

Soft Logic (6-2)

#	Data	OP	Data	OP	Data	OP	Data
1	06.7	02	06.7				
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

*Refer to User's Manual for Data and OP Codes

CALLBACK NUMBERS

Callback Numbers (6-3...3)

Line Out	
Local Toll	
Long Distance	
Delay	10
Area Code	
Phone Number	

Line Out	
Local Toll	
Long Distance	
Delay	10
Area Code	
Phone Number	

Line Out	
Local Toll	
Long Distance	
Delay	10
Area Code	
Phone Number	

NETWORK

Network (6-4)	
Address	1
Protocol	AB3418
Port	27000
Type	STATIC
Central Access	0
Field Access	0

IP Address	192	.	168	.	0	.	101			
Netmask	255	.	255	.	255	.	0			
Broadcast	192	.	168	.	0	.	255			
Gateway	192	.	168	.	0	.	1			

RAILROAD PREEMPTION

RR 1

(3-1-1)	Timing	Phase Flags (3-1-2)			Pedestrian Flags (3-1-3)			Overlap Flags (3-1-4)		
Delay		Grn Hold	Yel Flash	Red Flash	Walk	Flash DW	Solid DW	Grn Hold	Yel Flash	Red Flash
Clear 1	10	. 2 . . 5 . . .	. . . . .	. . . . .	. . . . .	. . . . .	. 2 . 4 . 6 . 8	. . . . .	. . . . .	. . . . .
Clear 2		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Clear 3		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Hold		. . . . .	. . . . .	1 2 3 4 5 6 7 8	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	A B C D E F
Exit										
Min Grn										
Ped Clr										

Exit Parameters (3-1-5)			
Phase Green	Overlap Green	Vehicle Call	Ped Call
. . . . .	. . . . .	1 2 3 4 5 6 7 8	. 2 . 4 . 6 . 8

Configuration (3-1-6)			
Primary Port	Secondary Port	Latching	Power-Up
2.5	0.0	YES	FLASHING

RR 2

(3-2-1)	Timing	Phase Flags (3-2-2)			Pedestrian Flags (3-2-3)			Overlap Flags (3-2-4)		
Delay		Grn Hold	Yel Flash	Red Flash	Walk	Flash DW	Solid DW	Grn Hold	Yel Flash	Red Flash
Clear 1	10	. . . 4 . . 7 .	. . . . .	. . . . .	. . . . .	. . . . .	. 2 . 4 . 6 . 8	. . . . .	. . . . .	. . . . .
Clear 2		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Clear 3		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Hold		1 2 3 . . 6 . .	. . . . .	. . . . .	. 2 . . . 6 . .	. . . . .	. . . 4 . . . 8	. . . . .	. . . . .	. . . . .
Exit										
Min Grn										
Ped Clr										

Exit Parameters (3-2-5)			
Phase Green	Overlap Green	Vehicle Call	Ped Call
. . . . .	. . . . .	. . . 4 . . 7 .	. . . . .

Configuration (3-2-6)			
Primary Port	Secondary Port	Latching	Power-up
2.6	0.0	YES	DARK

EMERGENCY VEHICLE PREEMPTION

EVA (3-A)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	30	30	. 2 . . 5 . . .	. . . . .

Port	Latching	Phase Termination
5.5	NO	ADVANCE

EVB (3-B)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	30	30	. . . 4 . . 7 .	. . . . .

Port	Latching	Phase Termination
5.6	NO	ADVANCE

EVC (3-C)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	30	30	1 . . . . 6 . .	. . . . .

Port	Latching	Phase Termination
5.7	NO	ADVANCE

EVD (3-D)

Preempt Timers			Phase Green	Overlap Green
Delay	Clear	Max		
	30	30	. . 3 8	. . . . .

Port	Latching	Phase Termination
5.8	NO	ADVANCE

INPUTS

		7 Wire I/C (2-1-5-1)			
		Input	Port	Input	Port
Enable	NO	R1	3.8	Free	3.6
Max ON		R2	3.5	D2	2.8
Max OFF		R3	3.7	D3	6.1

Manual Control (2-1-5-2)	
Input	Port
Manual Advance	
Advance Enable	

Cabinet Status (2-1-5-3)	
Input	Port
Flash Bus	
Door Ajar	
Flash Sense	6.7
Stop Time	6.8

Special Function (2-1-5-4)	
Input	Port
1	
2	
3	
4	

Battery Backup (2-1-5-5)	
Port	Operation
2.7	FLASHING

Y-Coordination (2-1-5-6)	
Port C	Port D
6.1	2.8

OUTPUTS

Loadswitch Assignments (2-1-6)							+
A	1	2	22	3	4	24	9
B	5	6	26	7	8	28	10
X	13	14	0	11	12	0	0

Loadswitch Codes:

0 Unused (no output)
1-8 Vehicle 1-8
9-14 Overlap A-F
21-28 Ped 1-8
41-47 Special Functions
41 Protected Permissive Flashing Phase 1
43 Protected Permissive Flashing Phase 3
45 Protected Permissive Flashing Phase 5
47 Protected Permissive Flashing Phase 7
51-57 Special Functions
71-72 Seven Wire I/C

\+ middle output of loadswitches 3 and 6
Channel 9 and 10

TRANSIT PRIORITY

Local Plans (3-E) 1...9 11...19		Early Green	Green Extend	Inhibit Cycles	Phase 1 Minimum	Phase 2 Minimum	Phase 3 Minimum	Phase 4 Minimum	Phase 5 Minimum	Phase 6 Minimum	Phase 7 Minimum	Phase 8 Minimum
Plan 1	Green Factor											
Plan 2	Green Factor											
Plan 3	Green Factor											
Plan 4	Green Factor											
Plan 5	Green Factor											
Plan 6	Green Factor											
Plan 7	Green Factor											
Plan 8	Green Factor											
Plan 9	Green Factor											
Plan 11	Green Factor											
Plan 12	Green Factor											
Plan 13	Green Factor											
Plan 14	Green Factor											
Plan 15	Green Factor											
Plan 16	Green Factor											
Plan 17	Green Factor											
Plan 18	Green Factor											
Plan 19	Green Factor											

Transit Priority Configuration (3-E-A)				Indicator Output	
Enable in Plans		Input	Type	Stop	Go
Plan 1-9	. . . . .	0.0	OPT	0	0
Plan 11-19	. . . . .	0.0	OPT	0	0

Queue Jump (3-E-B)	
Grn Hold	Hold Phase
	. . . . .
	. . . . .

Free Plans (3-E-E)	
Max Grn Hold	Hold Phase
	. . . . .

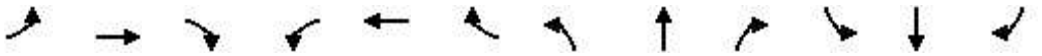
Access Utilities (9-5)	
Password	***
Timeout	30

YELLOW YIELD COORDINATION

					Force-Offs											
Y-Coord Plans (7-C,D)	Long Grn	No Grn	Offset	Perm	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	Coord	Lag	Min Recall	Restricted
Plan C													. 2 . . . 6 . .	. 2 . 4 . 6 . 8	. . . . .	. . . . .
Plan D													. 2 . . . 6 . .	. 2 . 4 . 6 . 8	. . . . .	. . . . .

TRUCK PRIORITY

Truck Priority (3-F)	Passage	CarryOver	Clearance	Next Priority	Phase Green	Det 2 Port	Det 3 Port	Det 4 Port	Sign Output	Slave Input	Slave Output
					. . . . .	0.0	0.0	0.0	0	0.0	0



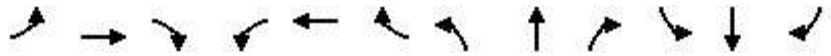
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	49	678	110	4	331	226	96	737	9	214	978	32
Future Volume (veh/h)	49	678	110	4	331	226	96	737	9	214	978	32
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	51	706	115	4	345	235	100	768	9	223	1019	33
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	14	821	134	51	590	394	129	1041	12	261	1276	41
Arrive On Green	0.01	0.26	0.29	0.03	0.28	0.28	0.07	0.28	0.28	0.14	0.36	0.36
Sat Flow, veh/h	1810	3108	506	1810	2071	1385	1810	3654	43	1810	3569	116
Grp Volume(v), veh/h	51	410	411	4	300	280	100	379	398	223	515	537
Grp Sat Flow(s),veh/h/ln	1810	1805	1809	1810	1805	1651	1810	1805	1892	1810	1805	1879
Q Serve(g_s), s	0.8	21.3	21.2	0.2	14.0	14.4	5.3	18.7	18.7	11.8	25.3	25.3
Cycle Q Clear(g_c), s	0.8	21.3	21.2	0.2	14.0	14.4	5.3	18.7	18.7	11.8	25.3	25.3
Prop In Lane	1.00		0.28	1.00		0.84	1.00		0.02	1.00		0.06
Lane Grp Cap(c), veh/h	14	477	478	51	514	470	129	514	539	261	645	672
V/C Ratio(X)	3.65	0.86	0.86	0.08	0.58	0.60	0.77	0.74	0.74	0.85	0.80	0.80
Avail Cap(c_a), veh/h	368	936	938	423	991	907	883	991	1039	607	991	1032
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.8	34.4	34.0	46.5	30.2	30.3	44.9	31.8	31.8	41.1	28.4	28.4
Incr Delay (d2), s/veh	1222.2	4.7	4.7	0.5	1.1	1.2	7.1	2.5	2.4	6.0	3.1	3.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.1	9.1	9.1	0.1	5.7	5.4	2.5	7.8	8.2	5.4	10.3	10.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1270.9	39.1	38.7	47.0	31.2	31.5	52.0	34.4	34.3	47.0	31.5	31.4
LnGrp LOS	F	D	D	D	C	C	D	C	C	D	C	C
Approach Vol, veh/h		872			584			877			1275	
Approach Delay, s/veh		111.0			31.5			36.3			34.2	
Approach LOS		F			C			D			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.5	36.5	11.7	42.7	8.5	35.5	18.9	35.5
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	23.0	* 54	* 48	54.0	23.0	* 54	* 33	54.0
Max Q Clear Time (g_c+I1), s	2.2	24.3	7.3	27.3	3.8	16.4	13.8	20.7
Green Ext Time (p_c), s	0.0	4.7	0.2	7.9	0.1	3.3	0.4	5.5

Intersection Summary	
HCM 6th Ctrl Delay	52.8
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	891	3	52	535	18	0	2	131	49	2	15
Future Volume (veh/h)	5	891	3	52	535	18	0	2	131	49	2	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1700	1800	1800	1700	1800	1800	1700	1800	1800	1700	1800	1800
Adj Flow Rate, veh/h	6	1048	4	61	629	21	0	2	154	58	2	18
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	13	2986	11	79	3105	964	0	259	218	271	8	219
Arrive On Green	0.01	0.59	0.59	0.05	0.63	0.63	0.00	0.14	0.14	0.14	0.14	0.14
Sat Flow, veh/h	1619	5053	19	1619	4914	1525	0	1800	1519	1209	54	1525
Grp Volume(v), veh/h	6	679	373	61	629	21	0	2	154	60	0	18
Grp Sat Flow(s),veh/h/ln	1619	1638	1797	1619	1638	1525	0	1800	1519	1263	0	1525
Q Serve(g_s), s	0.3	7.8	7.8	2.7	3.9	0.4	0.0	0.1	7.0	3.0	0.0	0.7
Cycle Q Clear(g_c), s	0.3	7.8	7.8	2.7	3.9	0.4	0.0	0.1	7.0	3.1	0.0	0.7
Prop In Lane	1.00		0.01	1.00		1.00	0.00		1.00	0.97		1.00
Lane Grp Cap(c), veh/h	13	1936	1062	79	3105	964	0	259	218	279	0	219
V/C Ratio(X)	0.47	0.35	0.35	0.77	0.20	0.02	0.00	0.01	0.71	0.21	0.00	0.08
Avail Cap(c_a), veh/h	121	1936	1062	277	3105	964	0	929	784	296	0	240
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	35.8	7.7	7.7	34.1	5.6	5.0	0.0	26.6	29.6	27.9	0.0	26.9
Incr Delay (d2), s/veh	24.8	0.5	0.9	14.6	0.1	0.0	0.0	0.0	4.1	0.4	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	2.0	2.3	1.3	0.9	0.1	0.0	0.0	2.7	0.9	0.0	0.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	60.6	8.2	8.6	48.7	5.8	5.0	0.0	26.6	33.7	28.3	0.0	27.0
LnGrp LOS	E	A	A	D	A	A	A	C	C	C	A	C
Approach Vol, veh/h		1058			711			156			78	
Approach Delay, s/veh		8.6			9.4			33.6			28.0	
Approach LOS		A			A			C			C	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	8.1	49.3		15.0	5.2	52.3		15.0
Change Period (Y+Rc), s	4.6	6.5		4.6	4.6	* 6.5		4.6
Max Green Setting (Gmax), s	12.4	38.5		11.4	5.4	* 46		37.4
Max Q Clear Time (g_c+I1), s	4.7	9.8		5.1	2.3	5.9		9.0
Green Ext Time (p_c), s	0.1	6.6		0.1	0.0	4.1		0.5

Intersection Summary	
HCM 6th Ctrl Delay	11.6
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0.2

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	1	6	835	8	33	1059
Future Vol, veh/h	1	6	835	8	33	1059
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	-	375	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	1	6	898	9	35	1139

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2112	454	0	0	907	0
Stage 1	903	-	-	-	-	-
Stage 2	1209	-	-	-	-	-
Critical Hdwy	6.6	6.9	-	-	4.1	-
Critical Hdwy Stg 1	5.8	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	50	559	-	-	759	-
Stage 1	361	-	-	-	-	-
Stage 2	285	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	48	559	-	-	759	-
Mov Cap-2 Maneuver	48	-	-	-	-	-
Stage 1	361	-	-	-	-	-
Stage 2	272	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	21.5	0	0.3
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	48	559	759	-
HCM Lane V/C Ratio	-	-	0.022	0.012	0.047	-
HCM Control Delay (s)	-	-	81.7	11.5	10	-
HCM Lane LOS	-	-	F	B	A	-
HCM 95th %tile Q(veh)	-	-	0.1	0	0.1	-

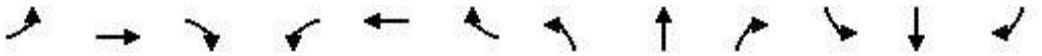
Intersection	
Int Delay, s/veh	5.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	10	33	59	4	0	13	0	14	0	0	2
Future Vol, veh/h	0	10	33	59	4	0	13	0	14	0	0	2
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	75	75	75	75	92	75	92	75	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	0	13	44	79	5	0	17	0	19	0	0	2

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	5	0	0	57	0	0	199	198	35	208	220	5
Stage 1	-	-	-	-	-	-	35	35	-	163	163	-
Stage 2	-	-	-	-	-	-	164	163	-	45	57	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1630	-	-	1560	-	-	764	701	1044	754	682	1084
Stage 1	-	-	-	-	-	-	986	870	-	844	767	-
Stage 2	-	-	-	-	-	-	843	767	-	974	851	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1630	-	-	1560	-	-	733	665	1044	712	647	1084
Mov Cap-2 Maneuver	-	-	-	-	-	-	733	665	-	712	647	-
Stage 1	-	-	-	-	-	-	986	870	-	844	728	-
Stage 2	-	-	-	-	-	-	798	728	-	957	851	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	7	9.3	8.3
HCM LOS			A	A

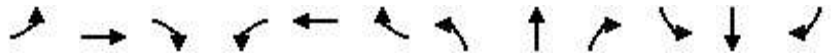
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	867	1630	-	-	1560	-	-	1084
HCM Lane V/C Ratio	0.042	-	-	-	0.05	-	-	0.002
HCM Control Delay (s)	9.3	0	-	-	7.4	0	-	8.3
HCM Lane LOS	A	A	-	-	A	A	-	A
HCM 95th %tile Q(veh)	0.1	0	-	-	0.2	-	-	0



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	24	1	83	168	2	42	23	762	103	20	956	74
Future Volume (veh/h)	24	1	83	168	2	42	23	762	103	20	956	74
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	26	1	90	183	2	46	25	828	112	22	1039	80
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	448	4	341	371	407	345	53	1538	686	47	1527	681
Arrive On Green	0.21	0.21	0.21	0.21	0.21	0.21	0.03	0.43	0.43	0.03	0.42	0.42
Sat Flow, veh/h	1455	18	1595	1400	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	26	0	91	183	2	46	25	828	112	22	1039	80
Grp Sat Flow(s),veh/h/ln	1455	0	1613	1400	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	0.8	0.0	2.5	6.6	0.0	1.2	0.7	9.0	2.2	0.6	12.2	1.6
Cycle Q Clear(g_c), s	0.8	0.0	2.5	9.0	0.0	1.2	0.7	9.0	2.2	0.6	12.2	1.6
Prop In Lane	1.00		0.99	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	448	0	345	371	407	345	53	1538	686	47	1527	681
V/C Ratio(X)	0.06	0.00	0.26	0.49	0.00	0.13	0.47	0.54	0.16	0.47	0.68	0.12
Avail Cap(c_a), veh/h	775	0	708	686	833	706	794	3649	1628	794	3649	1628
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	16.5	0.0	17.2	20.9	16.2	16.7	25.1	11.2	9.3	25.2	12.3	9.2
Incr Delay (d2), s/veh	0.0	0.0	0.1	0.4	0.0	0.1	2.5	0.3	0.1	2.6	0.5	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	0.8	2.0	0.0	0.4	0.3	2.4	0.5	0.3	3.3	0.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	16.5	0.0	17.3	21.3	16.2	16.7	27.5	11.5	9.4	27.8	12.8	9.3
LnGrp LOS	B	A	B	C	B	B	C	B	A	C	B	A
Approach Vol, veh/h		117			231			965			1141	
Approach Delay, s/veh		17.1			20.3			11.7			12.8	
Approach LOS		B			C			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.4	28.8		17.2	6.5	28.7		17.2				
Change Period (Y+Rc), s	5.0	6.5		6.0	5.0	6.5		6.0				
Max Green Setting (Gmax), s	23.0	53.0		23.0	23.0	53.0		23.0				
Max Q Clear Time (g_c+I1), s	2.6	11.0		4.5	2.7	14.2		11.0				
Green Ext Time (p_c), s	0.0	6.1		0.3	0.0	8.0		0.3				

Intersection Summary			
HCM 6th Ctrl Delay		13.3	
HCM 6th LOS		B	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	14	20	8	92	21	87	4	787	37	89	1099	19
Future Volume (veh/h)	14	20	8	92	21	87	4	787	37	89	1099	19
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	15	22	9	100	23	95	4	855	40	97	1195	21
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	275	154	63	281	228	193	10	1834	818	128	2070	923
Arrive On Green	0.12	0.12	0.12	0.12	0.12	0.12	0.01	0.51	0.51	0.07	0.57	0.57
Sat Flow, veh/h	1366	1281	524	1478	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	15	0	31	100	23	95	4	855	40	97	1195	21
Grp Sat Flow(s),veh/h/ln	1366	0	1806	1478	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	0.6	0.0	0.9	3.7	0.6	3.1	0.1	8.7	0.7	3.0	12.0	0.3
Cycle Q Clear(g_c), s	1.2	0.0	0.9	4.6	0.6	3.1	0.1	8.7	0.7	3.0	12.0	0.3
Prop In Lane	1.00		0.29	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	275	0	216	281	228	193	10	1834	818	128	2070	923
V/C Ratio(X)	0.05	0.00	0.14	0.36	0.10	0.49	0.41	0.47	0.05	0.76	0.58	0.02
Avail Cap(c_a), veh/h	1141	0	1361	1217	1432	1213	729	3227	1439	729	3227	1439
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	22.9	0.0	22.5	24.5	22.4	23.5	28.3	9.0	7.1	26.0	7.8	5.3
Incr Delay (d2), s/veh	0.0	0.0	0.1	0.3	0.1	0.7	19.2	0.4	0.1	6.7	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	0.4	1.2	0.3	1.2	0.1	2.2	0.2	1.3	2.6	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.9	0.0	22.6	24.8	22.4	24.2	47.5	9.4	7.1	32.7	8.3	5.3
LnGrp LOS	C	A	C	C	C	C	D	A	A	C	A	A
Approach Vol, veh/h		46			218			899			1313	
Approach Delay, s/veh		22.7			24.3			9.5			10.1	
Approach LOS		C			C			A			B	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	8.7	36.5		11.8	5.0	40.2		11.8
Change Period (Y+Rc), s	* 4.7	7.5		5.0	* 4.7	7.5		5.0
Max Green Setting (Gmax), s	* 23	51.0		43.0	* 23	51.0		43.0
Max Q Clear Time (g_c+I1), s	5.0	10.7		3.2	2.1	14.0		6.6
Green Ext Time (p_c), s	0.1	12.7		0.1	0.0	18.7		0.4

Intersection Summary	
HCM 6th Ctrl Delay	11.4
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	4.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	120	35	0	4	151
Future Vol, veh/h	0	120	35	0	4	151
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	77	77	77	77	77	77
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	156	45	0	5	196

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	201	45
Stage 1	-	-	-	-	45	-
Stage 2	-	-	-	-	156	-
Critical Hdwy	-	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	0	-	-	0	792	1031
Stage 1	0	-	-	0	983	-
Stage 2	0	-	-	0	877	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	792	1031
Mov Cap-2 Maneuver	-	-	-	-	792	-
Stage 1	-	-	-	-	983	-
Stage 2	-	-	-	-	877	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	9.3
HCM LOS			A

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	792	1031
HCM Lane V/C Ratio	-	-	0.007	0.19
HCM Control Delay (s)	-	-	9.6	9.3
HCM Lane LOS	-	-	A	A
HCM 95th %tile Q(veh)	-	-	0	0.7

Intersection	
Int Delay, s/veh	0

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	0	0	0	0	2
Future Vol, veh/h	0	0	0	0	0	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	0	0	0	2

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2	0	0	0	0	0
Stage 1	0	-	-	-	-	-
Stage 2	2	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	1026	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	1026	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	1026	-	-	-	-	-
Mov Cap-2 Maneuver	1026	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	1026	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	-	-	0	0	-
HCM Lane LOS	-	-	A	A	-
HCM 95th %tile Q(veh)	-	-	-	-	-

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	0	24	63	0
Future Vol, veh/h	0	0	0	24	63	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	0	26	68	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	94	68	68	0	-	0
Stage 1	68	-	-	-	-	-
Stage 2	26	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	911	1001	1546	-	-	-
Stage 1	960	-	-	-	-	-
Stage 2	1002	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	911	1001	1546	-	-	-
Mov Cap-2 Maneuver	911	-	-	-	-	-
Stage 1	960	-	-	-	-	-
Stage 2	1002	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1546	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	0	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	0	0	0	0	0	0	0	0	2	0
Future Vol, veh/h	0	0	0	0	0	0	0	0	0	0	2	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	0	2	0	2	2	2	0	0	2	2	0	0
Mvmt Flow	0	0	0	0	0	0	0	0	0	0	2	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2	2	2	2	2	0	2	0	0	0	0	0
Stage 1	2	2	-	0	0	-	-	-	-	-	-	-
Stage 2	0	0	-	2	2	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.52	6.2	7.12	6.52	6.22	4.1	-	-	4.12	-	-
Critical Hdwy Stg 1	6.1	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.018	3.3	3.518	4.018	3.318	2.2	-	-	2.218	-	-
Pot Cap-1 Maneuver	1026	894	1088	1020	894	-	1634	-	-	-	-	-
Stage 1	1026	894	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	1021	894	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	894	1088	1020	894	-	1634	-	-	-	-	-
Mov Cap-2 Maneuver	-	894	-	1020	894	-	-	-	-	-	-	-
Stage 1	1026	894	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	1021	894	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0	0	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1634	-	-	-	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-	-	-	-
HCM Control Delay (s)	0	-	-	0	0	0	-	-
HCM Lane LOS	A	-	-	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-	-	-	-

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	0	24	63	0
Future Vol, veh/h	0	0	0	24	63	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	0	26	68	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	94	68	68	0	-	0
Stage 1	68	-	-	-	-	-
Stage 2	26	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	911	1001	1546	-	-	-
Stage 1	960	-	-	-	-	-
Stage 2	1002	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	911	1001	1546	-	-	-
Mov Cap-2 Maneuver	911	-	-	-	-	-
Stage 1	960	-	-	-	-	-
Stage 2	1002	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1546	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	0	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-

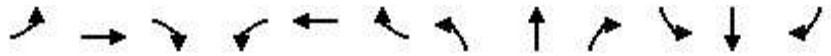
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	47	580	71	9	681	265	169	1130	27	195	808	48
Future Volume (veh/h)	47	580	71	9	681	265	169	1130	27	195	808	48
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	49	611	75	9	717	279	178	1189	28	205	851	51
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	16	676	83	209	802	312	204	1289	30	231	1288	77
Arrive On Green	0.01	0.21	0.23	0.12	0.32	0.32	0.11	0.36	0.36	0.13	0.37	0.37
Sat Flow, veh/h	1810	3237	397	1810	2539	988	1810	3605	85	1810	3460	207
Grp Volume(v), veh/h	49	340	346	9	510	486	178	595	622	205	444	458
Grp Sat Flow(s),veh/h/ln	1810	1805	1829	1810	1805	1722	1810	1805	1885	1810	1805	1863
Q Serve(g_s), s	1.3	26.5	26.6	0.6	38.8	38.8	13.9	45.5	45.6	16.1	29.5	29.5
Cycle Q Clear(g_c), s	1.3	26.5	26.6	0.6	38.8	38.8	13.9	45.5	45.6	16.1	29.5	29.5
Prop In Lane	1.00		0.22	1.00		0.57	1.00		0.05	1.00		0.11
Lane Grp Cap(c), veh/h	16	377	382	209	570	544	204	646	674	231	672	694
V/C Ratio(X)	3.01	0.90	0.91	0.04	0.89	0.89	0.87	0.92	0.92	0.89	0.66	0.66
Avail Cap(c_a), veh/h	251	639	647	289	677	645	603	677	706	414	677	698
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	71.4	55.6	55.3	56.6	47.0	47.0	62.9	44.3	44.4	61.8	37.6	37.6
Incr Delay (d2), s/veh	930.0	9.7	9.9	0.1	12.9	13.4	8.4	17.9	17.4	8.5	2.5	2.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.8	12.6	12.8	0.3	18.6	17.9	6.7	22.5	23.4	7.7	12.9	13.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1001.4	65.2	65.1	56.7	59.9	60.4	71.3	62.3	61.8	70.4	40.2	40.1
LnGrp LOS	F	E	E	E	E	E	E	E	E	E	D	D
Approach Vol, veh/h		735			1005			1395			1107	
Approach Delay, s/veh		127.6			60.2			63.2			45.7	
Approach LOS		F			E			E			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	21.4	40.6	21.0	61.1	9.0	53.0	23.1	59.0
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	23.0	* 54	* 48	54.0	23.0	* 54	* 33	54.0
Max Q Clear Time (g_c+I1), s	2.6	29.5	15.9	31.5	4.3	40.8	18.1	47.6
Green Ext Time (p_c), s	0.0	3.6	0.3	6.1	0.1	4.7	0.3	4.0

Intersection Summary	
HCM 6th Ctrl Delay	69.1
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	790	6	49	943	56	10	7	84	32	0	3
Future Volume (veh/h)	5	790	6	49	943	56	10	7	84	32	0	3
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1700	1800	1800	1700	1800	1800	1700	1800	1800	1700	1800	1800
Adj Flow Rate, veh/h	5	823	6	51	982	58	10	7	88	33	0	3
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	10	2751	20	69	2863	889	81	38	321	112	0	322
Arrive On Green	0.01	0.55	0.55	0.04	0.58	0.58	0.21	0.21	0.21	0.21	0.00	0.21
Sat Flow, veh/h	1619	5033	37	1619	4914	1525	37	178	1521	96	0	1525
Grp Volume(v), veh/h	5	536	293	51	982	58	17	0	88	33	0	3
Grp Sat Flow(s),veh/h/ln	1619	1638	1793	1619	1638	1525	215	0	1521	96	0	1525
Q Serve(g_s), s	0.2	7.0	7.0	2.4	8.2	1.3	0.2	0.0	3.8	1.2	0.0	0.1
Cycle Q Clear(g_c), s	0.2	7.0	7.0	2.4	8.2	1.3	16.1	0.0	3.8	16.6	0.0	0.1
Prop In Lane	1.00		0.02	1.00		1.00	0.59		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	10	1791	980	69	2863	889	118	0	321	112	0	322
V/C Ratio(X)	0.48	0.30	0.30	0.74	0.34	0.07	0.14	0.00	0.27	0.29	0.00	0.01
Avail Cap(c_a), veh/h	111	1791	980	255	2863	889	532	0	724	112	0	322
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	38.9	9.7	9.7	37.2	8.6	7.1	26.0	0.0	26.0	38.9	0.0	24.5
Incr Delay (d2), s/veh	30.0	0.4	0.8	14.7	0.3	0.1	0.6	0.0	0.5	1.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	2.0	2.3	1.2	2.2	0.3	0.3	0.0	1.4	0.7	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	69.0	10.1	10.4	51.9	8.9	7.3	26.6	0.0	26.4	40.4	0.0	24.5
LnGrp LOS	E	B	B	D	A	A	C	A	C	D	A	C
Approach Vol, veh/h		834			1091			105			36	
Approach Delay, s/veh		10.6			10.8			26.4			39.1	
Approach LOS		B			B			C			D	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	7.9	49.5		21.9	5.1	52.3		21.9
Change Period (Y+Rc), s	4.6	6.5		4.6	4.6	* 6.5		4.6
Max Green Setting (Gmax), s	12.4	38.5		11.4	5.4	* 46		37.4
Max Q Clear Time (g_c+I1), s	4.4	9.0		18.6	2.2	10.2		18.1
Green Ext Time (p_c), s	0.0	4.9		0.0	0.0	7.1		0.3

Intersection Summary	
HCM 6th Ctrl Delay	12.0
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0.4

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	4	20	1306	37	19	870
Future Vol, veh/h	4	20	1306	37	19	870
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	-	375	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	98	98	98	98	98	98
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	4	20	1333	38	19	888

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2278	686	0	0	1371	0
Stage 1	1352	-	-	-	-	-
Stage 2	926	-	-	-	-	-
Critical Hdwy	6.6	6.9	-	-	4.1	-
Critical Hdwy Stg 1	5.8	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	39	395	-	-	507	-
Stage 1	209	-	-	-	-	-
Stage 2	389	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	38	395	-	-	507	-
Mov Cap-2 Maneuver	38	-	-	-	-	-
Stage 1	209	-	-	-	-	-
Stage 2	375	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	30.6	0	0.3
HCM LOS	D		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	38	395	507	-
HCM Lane V/C Ratio	-	-	0.107	0.052	0.038	-
HCM Control Delay (s)	-	-	110.8	14.6	12.4	-
HCM Lane LOS	-	-	F	B	B	-
HCM 95th %tile Q(veh)	-	-	0.3	0.2	0.1	-

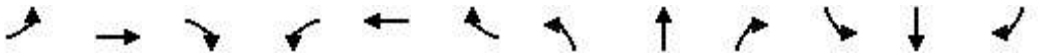
Intersection	
Int Delay, s/veh	5.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	37	17	28	10	0	21	0	70	0	0	0
Future Vol, veh/h	0	37	17	28	10	0	21	0	70	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	0	41	19	31	11	0	23	0	78	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	11	0	0	60	0	0	124	124	51	163	133	11
Stage 1	-	-	-	-	-	-	51	51	-	73	73	-
Stage 2	-	-	-	-	-	-	73	73	-	90	60	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1621	-	-	1556	-	-	855	770	1023	806	761	1076
Stage 1	-	-	-	-	-	-	967	856	-	942	838	-
Stage 2	-	-	-	-	-	-	942	838	-	922	849	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1621	-	-	1556	-	-	842	755	1023	733	746	1076
Mov Cap-2 Maneuver	-	-	-	-	-	-	842	755	-	733	746	-
Stage 1	-	-	-	-	-	-	967	856	-	942	821	-
Stage 2	-	-	-	-	-	-	923	821	-	852	849	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	5.4	9.1	0
HCM LOS			A	A

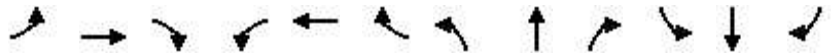
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	975	1621	-	-	1556	-	-	-
HCM Lane V/C Ratio	0.104	-	-	-	0.02	-	-	-
HCM Control Delay (s)	9.1	0	-	-	7.4	0	-	0
HCM Lane LOS	A	A	-	-	A	A	-	A
HCM 95th %tile Q(veh)	0.3	0	-	-	0.1	-	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	36	1	60	130	4	33	34	1233	150	34	775	58
Future Volume (veh/h)	36	1	60	130	4	33	34	1233	150	34	775	58
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	37	1	61	133	4	34	35	1258	153	35	791	59
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	358	4	253	307	302	256	68	1785	796	68	1785	796
Arrive On Green	0.16	0.16	0.16	0.16	0.16	0.16	0.04	0.49	0.49	0.04	0.49	0.49
Sat Flow, veh/h	1469	26	1588	1437	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	37	0	62	133	4	34	35	1258	153	35	791	59
Grp Sat Flow(s),veh/h/ln	1469	0	1614	1437	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	1.2	0.0	1.9	5.1	0.1	1.0	1.1	15.3	3.0	1.1	8.0	1.1
Cycle Q Clear(g_c), s	1.3	0.0	1.9	7.0	0.1	1.0	1.1	15.3	3.0	1.1	8.0	1.1
Prop In Lane	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	358	0	257	307	302	256	68	1785	796	68	1785	796
V/C Ratio(X)	0.10	0.00	0.24	0.43	0.01	0.13	0.52	0.70	0.19	0.52	0.44	0.07
Avail Cap(c_a), veh/h	721	0	656	663	772	654	735	3378	1507	735	3378	1507
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.6	0.0	20.8	23.9	20.1	20.5	26.8	11.1	8.0	26.8	9.3	7.5
Incr Delay (d2), s/veh	0.0	0.0	0.2	0.4	0.0	0.1	2.3	0.5	0.1	2.3	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.0	0.7	1.6	0.0	0.4	0.4	3.9	0.7	0.4	2.0	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	20.7	0.0	21.0	24.2	20.1	20.5	29.0	11.6	8.1	29.0	9.4	7.5
LnGrp LOS	C	A	C	C	C	C	C	B	A	C	A	A
Approach Vol, veh/h		99			171			1446			885	
Approach Delay, s/veh		20.9			23.4			11.7			10.1	
Approach LOS		C			C			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.1	34.5		15.0	7.1	34.5		15.0				
Change Period (Y+Rc), s	5.0	6.5		6.0	5.0	6.5		6.0				
Max Green Setting (Gmax), s	23.0	53.0		23.0	23.0	53.0		23.0				
Max Q Clear Time (g_c+I1), s	3.1	17.3		3.9	3.1	10.0		9.0				
Green Ext Time (p_c), s	0.0	10.7		0.2	0.0	5.5		0.2				

Intersection Summary			
HCM 6th Ctrl Delay		12.3	
HCM 6th LOS		B	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	53	47	3	71	9	114	19	1251	90	98	852	16
Future Volume (veh/h)	53	47	3	71	9	114	19	1251	90	98	852	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	55	48	3	73	9	118	20	1290	93	101	878	16
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	247	190	12	227	204	173	42	2037	909	133	2218	990
Arrive On Green	0.11	0.11	0.11	0.11	0.11	0.11	0.02	0.56	0.56	0.07	0.61	0.61
Sat Flow, veh/h	1355	1769	111	1452	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	55	0	51	73	9	118	20	1290	93	101	878	16
Grp Sat Flow(s),veh/h/ln	1355	0	1880	1452	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	2.6	0.0	1.7	3.3	0.3	4.8	0.7	16.4	1.8	3.7	8.4	0.3
Cycle Q Clear(g_c), s	2.8	0.0	1.7	5.0	0.3	4.8	0.7	16.4	1.8	3.7	8.4	0.3
Prop In Lane	1.00		0.06	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	247	0	202	227	204	173	42	2037	909	133	2218	990
V/C Ratio(X)	0.22	0.00	0.25	0.32	0.04	0.68	0.48	0.63	0.10	0.76	0.40	0.02
Avail Cap(c_a), veh/h	964	0	1198	995	1210	1026	617	2728	1217	617	2728	1217
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.3	0.0	27.6	29.9	27.0	29.0	32.6	10.0	6.8	30.7	6.6	5.1
Incr Delay (d2), s/veh	0.2	0.0	0.2	0.3	0.0	1.8	6.1	0.7	0.1	6.5	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	0.0	0.7	1.1	0.1	1.8	0.4	4.4	0.4	1.7	2.0	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	28.5	0.0	27.9	30.2	27.0	30.8	38.7	10.7	6.9	37.2	6.9	5.1
LnGrp LOS	C	A	C	C	C	C	D	B	A	D	A	A
Approach Vol, veh/h		106			200			1403			995	
Approach Delay, s/veh		28.2			30.4			10.8			9.9	
Approach LOS		C			C			B			A	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	9.7	45.6		12.3	6.3	49.0		12.3
Change Period (Y+Rc), s	* 4.7	7.5		5.0	* 4.7	7.5		5.0
Max Green Setting (Gmax), s	* 23	51.0		43.0	* 23	51.0		43.0
Max Q Clear Time (g_c+I1), s	5.7	18.4		4.8	2.7	10.4		7.0
Green Ext Time (p_c), s	0.1	19.7		0.2	0.0	13.0		0.3

Intersection Summary	
HCM 6th Ctrl Delay	12.6
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	4.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	201	35	0	14	168
Future Vol, veh/h	0	201	35	0	14	168
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	231	40	0	16	193

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	271	40
Stage 1	-	-	-	-	40	-
Stage 2	-	-	-	-	231	-
Critical Hdwy	-	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	0	-	-	0	723	1037
Stage 1	0	-	-	0	988	-
Stage 2	0	-	-	0	812	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	723	1037
Mov Cap-2 Maneuver	-	-	-	-	723	-
Stage 1	-	-	-	-	988	-
Stage 2	-	-	-	-	812	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	9.4
HCM LOS			A

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	723	1037
HCM Lane V/C Ratio	-	-	0.022	0.186
HCM Control Delay (s)	-	-	10.1	9.3
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.1	0.7

Intersection	
Int Delay, s/veh	0

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	0	0	0	0	0
Future Vol, veh/h	0	0	0	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	0	0	0	0

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	1	0	0	0	0	0
Stage 1	0	-	-	-	-	-
Stage 2	1	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	1027	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	1028	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	1027	-	-	-	-	-
Mov Cap-2 Maneuver	1027	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	1028	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	-	-	0	0	-
HCM Lane LOS	-	-	A	A	-
HCM 95th %tile Q(veh)	-	-	-	-	-

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	0	107	38	0
Future Vol, veh/h	0	0	0	107	38	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	0	116	41	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	157	41	41	0	-	0
Stage 1	41	-	-	-	-	-
Stage 2	116	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	839	1036	1581	-	-	-
Stage 1	987	-	-	-	-	-
Stage 2	914	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	839	1036	1581	-	-	-
Mov Cap-2 Maneuver	839	-	-	-	-	-
Stage 1	987	-	-	-	-	-
Stage 2	914	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1581	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	0	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	0	0	0	0	0	0	0	0	0	0
Future Vol, veh/h	0	0	0	0	0	0	0	0	0	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	0	2	0	2	2	2	0	0	2	2	0	0
Mvmt Flow	0	0	0	0	0	0	0	0	0	0	0	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1	1	1	1	1	0	1	0	0	0	0	0
Stage 1	1	1	-	0	0	-	-	-	-	-	-	-
Stage 2	0	0	-	1	1	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.52	6.2	7.12	6.52	6.22	4.1	-	-	4.12	-	-
Critical Hdwy Stg 1	6.1	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.018	3.3	3.518	4.018	3.318	2.2	-	-	2.218	-	-
Pot Cap-1 Maneuver	1027	895	1090	1022	895	-	1635	-	-	-	-	-
Stage 1	1027	895	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	1022	895	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	895	1090	1022	895	-	1635	-	-	-	-	-
Mov Cap-2 Maneuver	-	895	-	1022	895	-	-	-	-	-	-	-
Stage 1	1027	895	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	1022	895	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0	0	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1635	-	-	-	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-	-	-	-
HCM Control Delay (s)	0	-	-	0	0	0	-	-
HCM Lane LOS	A	-	-	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-	-	-	-

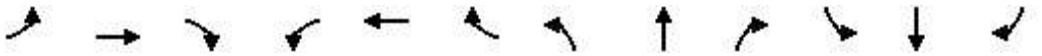
Intersection	
Int Delay, s/veh	0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	0	107	38	0
Future Vol, veh/h	0	0	0	107	38	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	0	116	41	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	157	41	41	0	-	0
Stage 1	41	-	-	-	-	-
Stage 2	116	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	839	1036	1581	-	-	-
Stage 1	987	-	-	-	-	-
Stage 2	914	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	839	1036	1581	-	-	-
Mov Cap-2 Maneuver	839	-	-	-	-	-
Stage 1	987	-	-	-	-	-
Stage 2	914	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1581	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	0	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-



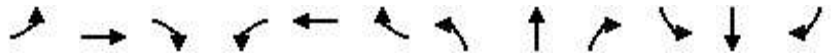
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	49	681	113	4	332	229	97	741	9	227	994	32
Future Volume (veh/h)	49	681	113	4	332	229	97	741	9	227	994	32
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	51	709	118	4	346	239	101	772	9	236	1035	33
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	14	823	137	44	581	394	130	1032	12	274	1291	41
Arrive On Green	0.01	0.27	0.30	0.02	0.28	0.28	0.07	0.28	0.28	0.15	0.36	0.36
Sat Flow, veh/h	1810	3097	515	1810	2058	1396	1810	3655	43	1810	3571	114
Grp Volume(v), veh/h	51	413	414	4	303	282	101	381	400	236	523	545
Grp Sat Flow(s),veh/h/ln	1810	1805	1807	1810	1805	1649	1810	1805	1892	1810	1805	1880
Q Serve(g_s), s	0.8	21.6	21.6	0.2	14.3	14.7	5.4	19.1	19.1	12.6	25.8	25.8
Cycle Q Clear(g_c), s	0.8	21.6	21.6	0.2	14.3	14.7	5.4	19.1	19.1	12.6	25.8	25.8
Prop In Lane	1.00		0.29	1.00		0.85	1.00		0.02	1.00		0.06
Lane Grp Cap(c), veh/h	14	480	480	44	510	465	130	510	534	274	653	680
V/C Ratio(X)	3.62	0.86	0.86	0.09	0.59	0.61	0.77	0.75	0.75	0.86	0.80	0.80
Avail Cap(c_a), veh/h	365	928	929	420	983	898	876	983	1030	602	983	1023
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	49.2	34.7	34.3	47.3	30.7	30.8	45.2	32.4	32.4	41.1	28.5	28.5
Incr Delay (d2), s/veh	1204.5	4.7	4.7	0.7	1.1	1.3	7.1	2.7	2.6	6.0	3.3	3.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.1	9.3	9.2	0.1	5.9	5.5	2.6	8.0	8.4	5.7	10.6	11.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1253.7	39.3	39.0	48.0	31.8	32.1	52.3	35.1	34.9	47.1	31.8	31.7
LnGrp LOS	F	D	D	D	C	C	D	D	C	D	C	C
Approach Vol, veh/h		878			589			882			1304	
Approach Delay, s/veh		109.7			32.1			37.0			34.5	
Approach LOS		F			C			D			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.1	36.9	11.8	43.4	8.5	35.5	19.7	35.5
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	23.0	* 54	* 48	54.0	23.0	* 54	* 33	54.0
Max Q Clear Time (g_c+I1), s	2.2	24.6	7.4	27.8	3.8	16.7	14.6	21.1
Green Ext Time (p_c), s	0.0	4.8	0.2	8.0	0.1	3.3	0.4	5.5

Intersection Summary	
HCM 6th Ctrl Delay	52.8
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	891	18	89	535	18	3	2	137	49	2	15
Future Volume (veh/h)	5	891	18	89	535	18	3	2	137	49	2	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1700	1800	1800	1700	1800	1800	1700	1800	1800	1700	1800	1800
Adj Flow Rate, veh/h	6	1048	21	105	629	21	4	2	161	58	2	18
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	12	2136	43	128	2469	766	75	24	484	99	2	485
Arrive On Green	0.01	0.43	0.43	0.08	0.50	0.50	0.32	0.32	0.32	0.32	0.32	0.32
Sat Flow, veh/h	1619	4959	99	1619	4914	1525	29	77	1523	66	7	1525
Grp Volume(v), veh/h	6	692	377	105	629	21	6	0	161	60	0	18
Grp Sat Flow(s),veh/h/ln	1619	1638	1782	1619	1638	1525	106	0	1523	73	0	1525
Q Serve(g_s), s	0.3	13.9	13.9	5.8	6.7	0.6	0.1	0.0	7.4	1.6	0.0	0.7
Cycle Q Clear(g_c), s	0.3	13.9	13.9	5.8	6.7	0.6	28.2	0.0	7.4	29.0	0.0	0.7
Prop In Lane	1.00		0.06	1.00		1.00	0.67		1.00	0.97		1.00
Lane Grp Cap(c), veh/h	12	1411	768	128	2469	766	99	0	484	101	0	485
V/C Ratio(X)	0.49	0.49	0.49	0.82	0.25	0.03	0.06	0.00	0.33	0.60	0.00	0.04
Avail Cap(c_a), veh/h	96	1411	768	220	2469	766	240	0	625	101	0	485
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	45.1	18.7	18.7	41.3	12.9	11.4	25.3	0.0	23.7	44.6	0.0	21.5
Incr Delay (d2), s/veh	26.9	1.2	2.2	12.0	0.2	0.1	0.3	0.0	0.4	9.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	4.8	5.4	2.6	2.1	0.2	0.1	0.0	2.6	1.6	0.0	0.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	72.0	19.9	21.0	53.3	13.2	11.5	25.6	0.0	24.1	53.8	0.0	21.5
LnGrp LOS	E	B	C	D	B	B	C	A	C	D	A	C
Approach Vol, veh/h		1075			755			167			78	
Approach Delay, s/veh		20.6			18.7			24.2			46.3	
Approach LOS		C			B			C			D	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	11.9	45.7		34.4	5.3	52.3		34.4
Change Period (Y+Rc), s	4.6	6.5		4.6	4.6	* 6.5		4.6
Max Green Setting (Gmax), s	12.4	38.5		11.4	5.4	* 46		37.4
Max Q Clear Time (g_c+I1), s	7.8	15.9		31.0	2.3	8.7		30.2
Green Ext Time (p_c), s	0.1	6.3		0.0	0.0	4.1		0.3

Intersection Summary	
HCM 6th Ctrl Delay	21.2
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	1.4

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	15	10	835	94	51	1059
Future Vol, veh/h	15	10	835	94	51	1059
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	-	375	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	16	11	898	101	55	1139

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2198	500	0	0	999	0
Stage 1	949	-	-	-	-	-
Stage 2	1249	-	-	-	-	-
Critical Hdwy	6.6	6.9	-	-	4.1	-
Critical Hdwy Stg 1	5.8	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	44	522	-	-	701	-
Stage 1	341	-	-	-	-	-
Stage 2	273	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	41	522	-	-	701	-
Mov Cap-2 Maneuver	41	-	-	-	-	-
Stage 1	341	-	-	-	-	-
Stage 2	252	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	89.5	0	0.5
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	41	522	701	-
HCM Lane V/C Ratio	-	-	0.393	0.021	0.078	-
HCM Control Delay (s)	-	-	141.2	12	10.6	-
HCM Lane LOS	-	-	F	B	B	-
HCM 95th %tile Q(veh)	-	-	1.4	0.1	0.3	-

Intersection	
Int Delay, s/veh	4.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	60	55	33	59	12	0	13	0	14	0	0	13
Future Vol, veh/h	60	55	33	59	12	0	13	0	14	0	0	13
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	75	75	75	75	92	75	92	75	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	65	73	44	79	16	0	17	0	19	0	0	14

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	16	0	0	117	0	0	406	399	95	409	421	16
Stage 1	-	-	-	-	-	-	225	225	-	174	174	-
Stage 2	-	-	-	-	-	-	181	174	-	235	247	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1615	-	-	1484	-	-	559	542	967	556	527	1069
Stage 1	-	-	-	-	-	-	782	721	-	833	759	-
Stage 2	-	-	-	-	-	-	825	759	-	773	706	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1615	-	-	1484	-	-	511	491	967	506	477	1069
Mov Cap-2 Maneuver	-	-	-	-	-	-	511	491	-	506	477	-
Stage 1	-	-	-	-	-	-	748	690	-	797	718	-
Stage 2	-	-	-	-	-	-	770	718	-	725	676	-

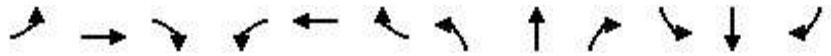
Approach	EB	WB	NB	SB
HCM Control Delay, s	2.6	6.3	10.6	8.4
HCM LOS			B	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	676	1615	-	-	1484	-	-	1069
HCM Lane V/C Ratio	0.053	0.04	-	-	0.053	-	-	0.013
HCM Control Delay (s)	10.6	7.3	0	-	7.6	0	-	8.4
HCM Lane LOS	B	A	A	-	A	A	-	A
HCM 95th %tile Q(veh)	0.2	0.1	-	-	0.2	-	-	0

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	24	1	83	168	2	42	23	848	103	20	970	74
Future Volume (veh/h)	24	1	83	168	2	42	23	848	103	20	970	74
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	26	1	90	183	2	46	25	922	112	22	1054	80
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	446	4	341	369	406	344	53	1552	692	47	1542	688
Arrive On Green	0.21	0.21	0.21	0.21	0.21	0.21	0.03	0.43	0.43	0.03	0.43	0.43
Sat Flow, veh/h	1455	18	1595	1400	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	26	0	91	183	2	46	25	922	112	22	1054	80
Grp Sat Flow(s),veh/h/ln	1455	0	1613	1400	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	0.8	0.0	2.5	6.6	0.0	1.2	0.7	10.4	2.3	0.6	12.5	1.6
Cycle Q Clear(g_c), s	0.8	0.0	2.5	9.1	0.0	1.2	0.7	10.4	2.3	0.6	12.5	1.6
Prop In Lane	1.00		0.99	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	446	0	345	369	406	344	53	1552	692	47	1542	688
V/C Ratio(X)	0.06	0.00	0.26	0.50	0.00	0.13	0.48	0.59	0.16	0.47	0.68	0.12
Avail Cap(c_a), veh/h	766	0	700	678	825	699	785	3610	1610	785	3610	1610
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	16.7	0.0	17.4	21.2	16.4	16.9	25.3	11.6	9.3	25.4	12.3	9.2
Incr Delay (d2), s/veh	0.0	0.0	0.2	0.4	0.0	0.1	2.5	0.4	0.1	2.6	0.5	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	0.9	2.0	0.0	0.4	0.3	2.8	0.5	0.3	3.4	0.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	16.7	0.0	17.5	21.6	16.4	16.9	27.8	11.9	9.4	28.1	12.8	9.2
LnGrp LOS	B	A	B	C	B	B	C	B	A	C	B	A
Approach Vol, veh/h		117			231			1059			1156	
Approach Delay, s/veh		17.3			20.6			12.0			12.9	
Approach LOS		B			C			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.4	29.3		17.3	6.5	29.1		17.3				
Change Period (Y+Rc), s	5.0	6.5		6.0	5.0	6.5		6.0				
Max Green Setting (Gmax), s	23.0	53.0		23.0	23.0	53.0		23.0				
Max Q Clear Time (g_c+I1), s	2.6	12.4		4.5	2.7	14.5		11.1				
Green Ext Time (p_c), s	0.0	6.9		0.3	0.0	8.1		0.3				

Intersection Summary			
HCM 6th Ctrl Delay		13.4	
HCM 6th LOS		B	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	14	20	8	92	21	133	4	827	37	97	1105	19
Future Volume (veh/h)	14	20	8	92	21	133	4	827	37	97	1105	19
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	15	22	9	100	23	145	4	899	40	105	1201	21
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	277	164	67	290	243	206	10	1803	804	139	2060	919
Arrive On Green	0.13	0.13	0.13	0.13	0.13	0.13	0.01	0.50	0.50	0.08	0.57	0.57
Sat Flow, veh/h	1305	1281	524	1478	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	15	0	31	100	23	145	4	899	40	105	1201	21
Grp Sat Flow(s),veh/h/ln	1305	0	1806	1478	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	0.6	0.0	0.9	3.7	0.6	5.0	0.1	9.6	0.7	3.3	12.4	0.3
Cycle Q Clear(g_c), s	1.2	0.0	0.9	4.6	0.6	5.0	0.1	9.6	0.7	3.3	12.4	0.3
Prop In Lane	1.00		0.29	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	277	0	231	290	243	206	10	1803	804	139	2060	919
V/C Ratio(X)	0.05	0.00	0.13	0.34	0.09	0.71	0.41	0.50	0.05	0.76	0.58	0.02
Avail Cap(c_a), veh/h	1077	0	1338	1197	1408	1193	717	3172	1415	717	3172	1415
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	22.9	0.0	22.5	24.5	22.3	24.3	28.8	9.7	7.5	26.3	8.0	5.4
Incr Delay (d2), s/veh	0.0	0.0	0.1	0.3	0.1	1.7	19.3	0.5	0.1	6.2	0.6	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	0.4	1.2	0.3	1.9	0.1	2.5	0.2	1.4	2.8	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.9	0.0	22.6	24.8	22.4	25.9	48.0	10.1	7.5	32.4	8.6	5.4
LnGrp LOS	C	A	C	C	C	C	D	B	A	C	A	A
Approach Vol, veh/h		46			268			943			1327	
Approach Delay, s/veh		22.7			25.2			10.2			10.4	
Approach LOS		C			C			B			B	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	9.1	36.5		12.4	5.0	40.6		12.4
Change Period (Y+Rc), s	* 4.7	7.5		5.0	* 4.7	7.5		5.0
Max Green Setting (Gmax), s	* 23	51.0		43.0	* 23	51.0		43.0
Max Q Clear Time (g_c+I1), s	5.3	11.6		3.2	2.1	14.4		7.0
Green Ext Time (p_c), s	0.1	13.5		0.1	0.0	18.7		0.4

Intersection Summary	
HCM 6th Ctrl Delay	12.1
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	4.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	128	54	0	4	178
Future Vol, veh/h	0	128	54	0	4	178
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	77	77	77	77	77	77
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	166	70	0	5	231

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	236	70
Stage 1	-	-	-	-	70	-
Stage 2	-	-	-	-	166	-
Critical Hdwy	-	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	0	-	-	0	757	998
Stage 1	0	-	-	0	958	-
Stage 2	0	-	-	0	868	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	757	998
Mov Cap-2 Maneuver	-	-	-	-	757	-
Stage 1	-	-	-	-	958	-
Stage 2	-	-	-	-	868	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	9.7
HCM LOS			A

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	757	998
HCM Lane V/C Ratio	-	-	0.007	0.232
HCM Control Delay (s)	-	-	9.8	9.7
HCM Lane LOS	-	-	A	A
HCM 95th %tile Q(veh)	-	-	0	0.9

Intersection	
Int Delay, s/veh	1.4

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	6	1	2	35	4	17
Future Vol, veh/h	6	1	2	35	4	17
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	7	1	2	38	4	18

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	47	21	0	0	40	0
Stage 1	21	-	-	-	-	-
Stage 2	26	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	968	1062	-	-	1583	-
Stage 1	1007	-	-	-	-	-
Stage 2	1002	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	965	1062	-	-	1583	-
Mov Cap-2 Maneuver	965	-	-	-	-	-
Stage 1	1007	-	-	-	-	-
Stage 2	999	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	8.7	0	1.4
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	978	1583	-
HCM Lane V/C Ratio	-	-	0.008	0.003	-
HCM Control Delay (s)	-	-	8.7	7.3	0
HCM Lane LOS	-	-	A	A	A
HCM 95th %tile Q(veh)	-	-	0	0	-

Intersection	
Int Delay, s/veh	1.8

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	1	6	32	29	90	7
Future Vol, veh/h	1	6	32	29	90	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	1	7	35	32	98	8

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	204	102	106	0	-	0
Stage 1	102	-	-	-	-	-
Stage 2	102	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	789	959	1498	-	-	-
Stage 1	927	-	-	-	-	-
Stage 2	927	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	770	959	1498	-	-	-
Mov Cap-2 Maneuver	770	-	-	-	-	-
Stage 1	905	-	-	-	-	-
Stage 2	927	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	8.9	3.9	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1498	-	927	-	-
HCM Lane V/C Ratio	0.023	-	0.008	-	-
HCM Control Delay (s)	7.5	0	8.9	-	-
HCM Lane LOS	A	A	A	-	-
HCM 95th %tile Q(veh)	0.1	-	0	-	-

Intersection	
Int Delay, s/veh	1.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	0	4	0	2	0	35	24	15	8	0
Future Vol, veh/h	0	0	0	4	0	2	0	35	24	15	8	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	0	2	0	2	2	2	0	0	2	2	0	0
Mvmt Flow	0	0	0	4	0	2	0	38	26	16	9	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	93	105	9	92	92	51	9	0	0	64	0	0
Stage 1	41	41	-	51	51	-	-	-	-	-	-	-
Stage 2	52	64	-	41	41	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.52	6.2	7.12	6.52	6.22	4.1	-	-	4.12	-	-
Critical Hdwy Stg 1	6.1	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.018	3.3	3.518	4.018	3.318	2.2	-	-	2.218	-	-
Pot Cap-1 Maneuver	895	785	1079	892	798	1017	1624	-	-	1538	-	-
Stage 1	979	861	-	962	852	-	-	-	-	-	-	-
Stage 2	966	842	-	974	861	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	886	777	1079	885	790	1017	1624	-	-	1538	-	-
Mov Cap-2 Maneuver	886	777	-	885	790	-	-	-	-	-	-	-
Stage 1	979	852	-	962	852	-	-	-	-	-	-	-
Stage 2	964	842	-	964	852	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	8.9	0	4.8
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1624	-	-	-	925	1538	-	-
HCM Lane V/C Ratio	-	-	-	-	0.007	0.011	-	-
HCM Control Delay (s)	0	-	-	0	8.9	7.4	0	-
HCM Lane LOS	A	-	-	A	A	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	0	0	-	-

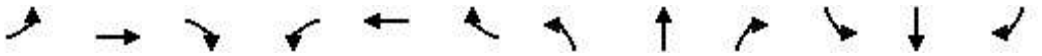
Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	5	2	12	56	69	27
Future Vol, veh/h	5	2	12	56	69	27
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	5	2	13	61	75	29

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	177	90	104	0	-	0
Stage 1	90	-	-	-	-	-
Stage 2	87	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	817	973	1500	-	-	-
Stage 1	939	-	-	-	-	-
Stage 2	941	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	810	973	1500	-	-	-
Mov Cap-2 Maneuver	810	-	-	-	-	-
Stage 1	931	-	-	-	-	-
Stage 2	941	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	9.3	1.3	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1500	-	851	-	-
HCM Lane V/C Ratio	0.009	-	0.009	-	-
HCM Control Delay (s)	7.4	0	9.3	-	-
HCM Lane LOS	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	0	-	-



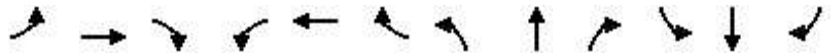
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	47	581	72	9	684	277	172	1145	27	198	812	48
Future Volume (veh/h)	47	581	72	9	684	277	172	1145	27	198	812	48
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	49	612	76	9	720	292	181	1205	28	208	855	51
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	16	676	84	215	799	324	207	1287	30	233	1286	77
Arrive On Green	0.01	0.21	0.23	0.12	0.32	0.32	0.11	0.36	0.36	0.13	0.37	0.37
Sat Flow, veh/h	1810	3232	401	1810	2506	1016	1810	3606	84	1810	3461	206
Grp Volume(v), veh/h	49	341	347	9	519	493	181	603	630	208	446	460
Grp Sat Flow(s),veh/h/ln	1810	1805	1828	1810	1805	1717	1810	1805	1885	1810	1805	1863
Q Serve(g_s), s	1.3	27.1	27.2	0.6	40.4	40.4	14.5	47.4	47.4	16.6	30.3	30.3
Cycle Q Clear(g_c), s	1.3	27.1	27.2	0.6	40.4	40.4	14.5	47.4	47.4	16.6	30.3	30.3
Prop In Lane	1.00		0.22	1.00		0.59	1.00		0.04	1.00		0.11
Lane Grp Cap(c), veh/h	16	377	382	215	575	547	207	644	673	233	671	692
V/C Ratio(X)	3.01	0.90	0.91	0.04	0.90	0.90	0.88	0.94	0.94	0.89	0.66	0.66
Avail Cap(c_a), veh/h	246	627	635	283	663	631	591	663	693	406	671	692
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	72.8	56.7	56.4	57.3	47.8	47.8	64.0	45.6	45.6	63.0	38.5	38.5
Incr Delay (d2), s/veh	928.8	10.4	10.6	0.1	14.3	14.9	8.5	20.6	20.1	9.6	2.6	2.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.8	13.0	13.2	0.3	19.6	18.7	7.0	23.8	24.8	8.0	13.3	13.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1001.6	67.1	67.0	57.4	62.1	62.7	72.6	66.2	65.7	72.6	41.2	41.1
LnGrp LOS	F	E	E	E	E	E	E	E	E	E	D	D
Approach Vol, veh/h		737			1021			1414			1114	
Approach Delay, s/veh		129.2			62.4			66.8			47.0	
Approach LOS		F			E			E			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	22.1	41.2	21.5	62.1	9.0	54.3	23.6	59.9
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	23.0	* 54	* 48	54.0	23.0	* 54	* 33	54.0
Max Q Clear Time (g_c+I1), s	2.6	30.1	16.5	32.3	4.3	42.4	18.6	49.4
Green Ext Time (p_c), s	0.0	3.6	0.3	6.1	0.1	4.5	0.3	3.0

Intersection Summary	
HCM 6th Ctrl Delay	71.3
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	790	10	56	943	56	25	7	119	32	0	3
Future Volume (veh/h)	5	790	10	56	943	56	25	7	119	32	0	3
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1700	1800	1800	1700	1800	1800	1700	1800	1800	1700	1800	1800
Adj Flow Rate, veh/h	5	823	10	58	982	58	26	7	124	33	0	3
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	10	2276	28	71	2418	751	83	14	507	92	0	508
Arrive On Green	0.01	0.45	0.45	0.04	0.49	0.49	0.33	0.33	0.33	0.33	0.00	0.33
Sat Flow, veh/h	1619	5004	61	1619	4914	1525	40	42	1523	44	0	1525
Grp Volume(v), veh/h	5	539	294	58	982	58	33	0	124	33	0	3
Grp Sat Flow(s),veh/h/ln	1619	1638	1789	1619	1638	1525	83	0	1523	44	0	1525
Q Serve(g_s), s	0.3	10.0	10.0	3.3	11.8	1.9	1.1	0.0	5.5	1.1	0.0	0.1
Cycle Q Clear(g_c), s	0.3	10.0	10.0	3.3	11.8	1.9	31.0	0.0	5.5	31.0	0.0	0.1
Prop In Lane	1.00		0.03	1.00		1.00	0.79		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	10	1490	814	71	2418	751	97	0	507	92	0	508
V/C Ratio(X)	0.48	0.36	0.36	0.82	0.41	0.08	0.34	0.00	0.24	0.36	0.00	0.01
Avail Cap(c_a), veh/h	94	1490	814	216	2418	751	200	0	612	92	0	508
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	46.1	16.5	16.6	44.1	15.0	12.5	36.6	0.0	22.5	46.3	0.0	20.8
Incr Delay (d2), s/veh	31.2	0.7	1.2	20.3	0.5	0.2	2.1	0.0	0.2	2.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	3.4	3.8	1.6	3.8	0.6	0.8	0.0	2.0	0.8	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	77.3	17.2	17.8	64.4	15.5	12.7	38.6	0.0	22.8	48.6	0.0	20.8
LnGrp LOS	E	B	B	E	B	B	D	A	C	D	A	C
Approach Vol, veh/h		838			1098			157			36	
Approach Delay, s/veh		17.8			17.9			26.1			46.3	
Approach LOS		B			B			C			D	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	8.7	48.8		36.6	5.2	52.3		36.6
Change Period (Y+Rc), s	4.6	6.5		4.6	4.6	* 6.5		4.6
Max Green Setting (Gmax), s	12.4	38.5		11.4	5.4	* 46		37.4
Max Q Clear Time (g_c+I1), s	5.3	12.0		33.0	2.3	13.8		33.0
Green Ext Time (p_c), s	0.0	4.8		0.0	0.0	7.0		0.2

Intersection Summary		
HCM 6th Ctrl Delay	19.0	
HCM 6th LOS	B	

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	28.7

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	81	38	1306	54	24	870
Future Vol, veh/h	81	38	1306	54	24	870
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	-	375	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	98	98	98	98	98	98
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	83	39	1333	55	24	888

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2297	694	0	0	1388	0
Stage 1	1361	-	-	-	-	-
Stage 2	936	-	-	-	-	-
Critical Hdwy	6.6	6.9	-	-	4.1	-
Critical Hdwy Stg 1	5.8	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	~ 38	390	-	-	500	-
Stage 1	207	-	-	-	-	-
Stage 2	385	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 36	390	-	-	500	-
Mov Cap-2 Maneuver	~ 36	-	-	-	-	-
Stage 1	207	-	-	-	-	-
Stage 2	367	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	$ 570.2	0	0.3
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	36	390	500	-
HCM Lane V/C Ratio	-	-	2.296	0.099	0.049	-
HCM Control Delay (s)	-	-	$ 830.6	15.2	12.6	-
HCM Lane LOS	-	-	F	C	B	-
HCM 95th %tile Q(veh)	-	-	9.2	0.3	0.2	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

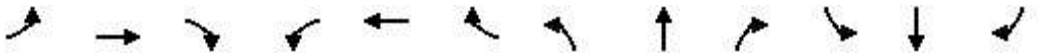
Intersection	
Int Delay, s/veh	5.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	13	46	17	28	50	0	21	0	70	0	0	55
Future Vol, veh/h	13	46	17	28	50	0	21	0	70	0	0	55
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	14	51	19	31	56	0	23	0	78	0	0	61

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	56	0	0	70	0	0	238	207	61	246	216	56
Stage 1	-	-	-	-	-	-	89	89	-	118	118	-
Stage 2	-	-	-	-	-	-	149	118	-	128	98	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1562	-	-	1544	-	-	721	693	1010	712	685	1016
Stage 1	-	-	-	-	-	-	923	825	-	891	802	-
Stage 2	-	-	-	-	-	-	858	802	-	881	818	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1562	-	-	1544	-	-	662	672	1010	642	664	1016
Mov Cap-2 Maneuver	-	-	-	-	-	-	662	672	-	642	664	-
Stage 1	-	-	-	-	-	-	915	818	-	883	785	-
Stage 2	-	-	-	-	-	-	789	785	-	806	811	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	1.3	2.6	9.5	8.8
HCM LOS			A	A

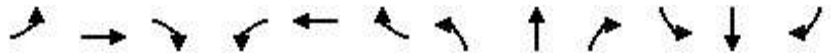
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	901	1562	-	-	1544	-	-	1016
HCM Lane V/C Ratio	0.112	0.009	-	-	0.02	-	-	0.06
HCM Control Delay (s)	9.5	7.3	0	-	7.4	0	-	8.8
HCM Lane LOS	A	A	A	-	A	A	-	A
HCM 95th %tile Q(veh)	0.4	0	-	-	0.1	-	-	0.2



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	36	1	60	130	4	33	34	1250	150	34	852	58
Future Volume (veh/h)	36	1	60	130	4	33	34	1250	150	34	852	58
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	37	1	61	133	4	34	35	1276	153	35	869	59
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	356	4	252	305	302	256	67	1800	803	67	1800	803
Arrive On Green	0.16	0.16	0.16	0.16	0.16	0.16	0.04	0.50	0.50	0.04	0.50	0.50
Sat Flow, veh/h	1469	26	1588	1437	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	37	0	62	133	4	34	35	1276	153	35	869	59
Grp Sat Flow(s),veh/h/ln	1469	0	1614	1437	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	1.2	0.0	1.9	5.1	0.1	1.0	1.1	15.7	3.0	1.1	9.1	1.1
Cycle Q Clear(g_c), s	1.4	0.0	1.9	7.0	0.1	1.0	1.1	15.7	3.0	1.1	9.1	1.1
Prop In Lane	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	356	0	256	305	302	256	67	1801	803	67	1801	803
V/C Ratio(X)	0.10	0.00	0.24	0.44	0.01	0.13	0.52	0.71	0.19	0.52	0.48	0.07
Avail Cap(c_a), veh/h	712	0	647	654	762	646	726	3337	1488	726	3337	1488
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.9	0.0	21.1	24.2	20.3	20.7	27.1	11.1	8.0	27.1	9.5	7.5
Incr Delay (d2), s/veh	0.0	0.0	0.2	0.4	0.0	0.1	2.3	0.5	0.1	2.3	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.0	0.7	1.6	0.0	0.4	0.4	4.0	0.7	0.4	2.3	0.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	20.9	0.0	21.3	24.5	20.3	20.8	29.4	11.7	8.1	29.4	9.7	7.5
LnGrp LOS	C	A	C	C	C	C	C	B	A	C	A	A
Approach Vol, veh/h		99			171			1464			963	
Approach Delay, s/veh		21.2			23.7			11.7			10.3	
Approach LOS		C			C			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.1	35.1		15.1	7.1	35.1		15.1				
Change Period (Y+Rc), s	5.0	6.5		6.0	5.0	6.5		6.0				
Max Green Setting (Gmax), s	23.0	53.0		23.0	23.0	53.0		23.0				
Max Q Clear Time (g_c+I1), s	3.1	17.7		3.9	3.1	11.1		9.0				
Green Ext Time (p_c), s	0.0	10.9		0.2	0.0	6.2		0.2				

Intersection Summary												
HCM 6th Ctrl Delay			12.3									
HCM 6th LOS			B									



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	53	47	3	71	9	123	19	1259	90	139	888	16
Future Volume (veh/h)	53	47	3	71	9	123	19	1259	90	139	888	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	55	48	3	73	9	127	20	1298	93	143	915	16
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	241	192	12	222	207	175	41	1983	884	184	2267	1011
Arrive On Green	0.11	0.11	0.11	0.11	0.11	0.11	0.02	0.55	0.55	0.10	0.63	0.63
Sat Flow, veh/h	1344	1769	111	1452	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	55	0	51	73	9	127	20	1298	93	143	915	16
Grp Sat Flow(s),veh/h/ln	1344	0	1880	1452	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	2.7	0.0	1.8	3.5	0.3	5.5	0.8	18.1	2.0	5.5	9.0	0.3
Cycle Q Clear(g_c), s	3.0	0.0	1.8	5.2	0.3	5.5	0.8	18.1	2.0	5.5	9.0	0.3
Prop In Lane	1.00		0.06	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	241	0	204	222	207	175	41	1983	884	184	2267	1011
V/C Ratio(X)	0.23	0.00	0.25	0.33	0.04	0.73	0.48	0.65	0.11	0.78	0.40	0.02
Avail Cap(c_a), veh/h	903	0	1130	937	1142	968	582	2574	1148	582	2574	1148
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	29.9	0.0	29.2	31.6	28.5	30.8	34.5	11.3	7.7	31.3	6.6	5.0
Incr Delay (d2), s/veh	0.2	0.0	0.2	0.3	0.0	2.1	6.3	0.8	0.1	5.2	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	0.0	0.8	1.2	0.1	2.1	0.4	5.2	0.5	2.4	2.1	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	30.1	0.0	29.4	31.9	28.6	33.0	40.8	12.1	7.8	36.6	6.9	5.0
LnGrp LOS	C	A	C	C	C	C	D	B	A	D	A	A
Approach Vol, veh/h		106			209			1411			1074	
Approach Delay, s/veh		29.8			32.4			12.3			10.8	
Approach LOS		C			C			B			B	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	12.0	46.8		12.8	6.3	52.4		12.8
Change Period (Y+Rc), s	* 4.7	7.5		5.0	* 4.7	7.5		5.0
Max Green Setting (Gmax), s	* 23	51.0		43.0	* 23	51.0		43.0
Max Q Clear Time (g_c+I1), s	7.5	20.1		5.0	2.8	11.0		7.5
Green Ext Time (p_c), s	0.2	19.2		0.2	0.0	13.6		0.3

Intersection Summary	
HCM 6th Ctrl Delay	13.9
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	3.8

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	242	39	0	14	173
Future Vol, veh/h	0	242	39	0	14	173
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	278	45	0	16	199

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	323	45
Stage 1	-	-	-	-	45	-
Stage 2	-	-	-	-	278	-
Critical Hdwy	-	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	0	-	-	0	675	1031
Stage 1	0	-	-	0	983	-
Stage 2	0	-	-	0	774	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	675	1031
Mov Cap-2 Maneuver	-	-	-	-	675	-
Stage 1	-	-	-	-	983	-
Stage 2	-	-	-	-	774	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	9.4
HCM LOS			A

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	675	1031
HCM Lane V/C Ratio	-	-	0.024	0.193
HCM Control Delay (s)	-	-	10.5	9.3
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.1	0.7

Intersection	
Int Delay, s/veh	5.3

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	32	4	14	7	1	3
Future Vol, veh/h	32	4	14	7	1	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	35	4	15	8	1	3

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	24	19	0	0	23	0
Stage 1	19	-	-	-	-	-
Stage 2	5	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	997	1065	-	-	1605	-
Stage 1	1009	-	-	-	-	-
Stage 2	1023	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	996	1065	-	-	1605	-
Mov Cap-2 Maneuver	996	-	-	-	-	-
Stage 1	1009	-	-	-	-	-
Stage 2	1022	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	8.7	0	1.8
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	1003	1605	-
HCM Lane V/C Ratio	-	-	0.039	0.001	-
HCM Control Delay (s)	-	-	8.7	7.2	0
HCM Lane LOS	-	-	A	A	A
HCM 95th %tile Q(veh)	-	-	0.1	0	-

Intersection	
Int Delay, s/veh	1.7

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	6	29	7	133	44	1
Future Vol, veh/h	6	29	7	133	44	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	7	32	8	145	48	1

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	210	49	49	0	-	0
Stage 1	49	-	-	-	-	-
Stage 2	161	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	783	1025	1571	-	-	-
Stage 1	979	-	-	-	-	-
Stage 2	873	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	778	1025	1571	-	-	-
Mov Cap-2 Maneuver	778	-	-	-	-	-
Stage 1	973	-	-	-	-	-
Stage 2	873	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	8.9	0.4	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1571	-	972	-	-
HCM Lane V/C Ratio	0.005	-	0.039	-	-
HCM Control Delay (s)	7.3	0	8.9	-	-
HCM Lane LOS	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-

Intersection	
Int Delay, s/veh	4.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	0	23	0	14	0	7	5	3	32	0
Future Vol, veh/h	0	0	0	23	0	14	0	7	5	3	32	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	0	2	0	2	2	2	0	0	2	2	0	0
Mvmt Flow	0	0	0	25	0	15	0	8	5	3	35	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	59	54	35	52	52	11	35	0	0	13	0	0
Stage 1	41	41	-	11	11	-	-	-	-	-	-	-
Stage 2	18	13	-	41	41	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.52	6.2	7.12	6.52	6.22	4.1	-	-	4.12	-	-
Critical Hdwy Stg 1	6.1	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.018	3.3	3.518	4.018	3.318	2.2	-	-	2.218	-	-
Pot Cap-1 Maneuver	942	837	1044	947	839	1070	1589	-	-	1606	-	-
Stage 1	979	861	-	1010	886	-	-	-	-	-	-	-
Stage 2	1006	885	-	974	861	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	927	835	1044	945	837	1070	1589	-	-	1606	-	-
Mov Cap-2 Maneuver	927	835	-	945	837	-	-	-	-	-	-	-
Stage 1	979	859	-	1010	886	-	-	-	-	-	-	-
Stage 2	992	885	-	972	859	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	8.8	0	0.6
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1589	-	-	-	989	1606	-	-
HCM Lane V/C Ratio	-	-	-	-	0.041	0.002	-	-
HCM Control Delay (s)	0	-	-	0	8.8	7.2	0	-
HCM Lane LOS	A	-	-	A	A	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	0.1	0	-	-

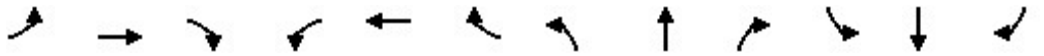
Intersection	
Int Delay, s/veh	1.6

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	26	11	2	114	67	6
Future Vol, veh/h	26	11	2	114	67	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	28	12	2	124	73	7

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	205	77	80	0	-	0
Stage 1	77	-	-	-	-	-
Stage 2	128	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	788	990	1531	-	-	-
Stage 1	951	-	-	-	-	-
Stage 2	903	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	787	990	1531	-	-	-
Mov Cap-2 Maneuver	787	-	-	-	-	-
Stage 1	950	-	-	-	-	-
Stage 2	903	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	9.5	0.1	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1531	-	838	-	-
HCM Lane V/C Ratio	0.001	-	0.048	-	-
HCM Control Delay (s)	7.4	0	9.5	-	-
HCM Lane LOS	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	0.2	-	-



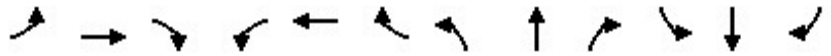
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	63	877	204	12	1163	552	204	974	11	375	1205	43
Future Volume (veh/h)	63	877	204	12	1163	552	204	974	11	375	1205	43
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	66	914	212	12	1211	575	212	1015	11	391	1255	45
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	21	993	230	147	995	447	156	861	9	271	1061	38
Arrive On Green	0.01	0.34	0.36	0.08	0.41	0.41	0.09	0.24	0.24	0.15	0.30	0.30
Sat Flow, veh/h	1810	2909	674	1810	2421	1088	1810	3658	40	1810	3555	127
Grp Volume(v), veh/h	66	567	559	12	885	901	212	501	525	391	637	663
Grp Sat Flow(s),veh/h/ln	1810	1805	1779	1810	1805	1704	1810	1805	1893	1810	1805	1877
Q Serve(g_s), s	1.6	42.9	42.9	0.9	58.5	58.5	12.3	33.5	33.5	21.3	42.5	42.5
Cycle Q Clear(g_c), s	1.6	42.9	42.9	0.9	58.5	58.5	12.3	33.5	33.5	21.3	42.5	42.5
Prop In Lane	1.00		0.38	1.00		0.64	1.00		0.02	1.00		0.07
Lane Grp Cap(c), veh/h	21	616	607	147	742	700	156	425	446	271	539	560
V/C Ratio(X)	3.18	0.92	0.92	0.08	1.19	1.29	1.36	1.18	1.18	1.44	1.18	1.18
Avail Cap(c_a), veh/h	55	733	722	147	742	700	156	425	446	271	539	560
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	70.4	45.0	44.5	60.5	41.9	41.9	65.0	54.4	54.4	60.5	49.9	49.9
Incr Delay (d2), s/veh	1094.8	15.2	15.6	0.2	100.0	139.3	195.9	102.4	101.6	219.4	99.5	99.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.0	20.8	20.5	0.4	44.9	50.0	14.0	26.6	27.8	25.9	33.1	34.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1165.1	60.2	60.0	60.7	142.0	181.2	260.9	156.8	156.0	280.0	149.5	149.5
LnGrp LOS	F	E	E	E	F	F	F	F	F	F	F	F
Approach Vol, veh/h		1192			1798			1238			1691	
Approach Delay, s/veh		121.3			161.1			174.3			179.7	
Approach LOS		F			F			F			F	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	16.2	59.1	17.0	50.0	9.3	66.0	26.0	41.0
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	5.0	* 61	* 12	42.5	7.3	* 59	* 21	33.5
Max Q Clear Time (g_c+I1), s	2.9	45.9	14.3	44.5	4.6	60.5	23.3	35.5
Green Ext Time (p_c), s	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	161.1
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	6	1242	12	307	1695	19	5	2	201	52	2	15
Future Volume (veh/h)	6	1242	12	307	1695	19	5	2	201	52	2	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1700	1800	1800	1700	1800	1800	1700	1800	1800	1700	1800	1800
Adj Flow Rate, veh/h	7	1461	14	361	1994	22	6	2	236	61	2	18
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	14	1612	15	372	2665	827	57	11	476	68	1	477
Arrive On Green	0.01	0.32	0.32	0.23	0.54	0.54	0.31	0.31	0.31	0.31	0.31	0.31
Sat Flow, veh/h	1619	5019	48	1619	4914	1525	8	36	1522	19	4	1525
Grp Volume(v), veh/h	7	954	521	361	1994	22	8	0	236	63	0	18
Grp Sat Flow(s),veh/h/ln	1619	1638	1791	1619	1638	1525	44	0	1522	23	0	1525
Q Serve(g_s), s	0.5	32.0	32.0	25.4	35.9	0.8	0.2	0.0	14.5	0.6	0.0	0.9
Cycle Q Clear(g_c), s	0.5	32.0	32.0	25.4	35.9	0.8	35.8	0.0	14.5	35.9	0.0	0.9
Prop In Lane	1.00		0.03	1.00		1.00	0.75		1.00	0.97		1.00
Lane Grp Cap(c), veh/h	14	1052	575	372	2665	827	69	0	476	69	0	477
V/C Ratio(X)	0.50	0.91	0.91	0.97	0.75	0.03	0.12	0.00	0.50	0.92	0.00	0.04
Avail Cap(c_a), veh/h	70	1052	575	372	2665	827	70	0	477	69	0	477
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	56.7	37.3	37.3	43.9	20.3	12.2	32.6	0.0	32.1	56.8	0.0	27.5
Incr Delay (d2), s/veh	24.8	12.7	20.4	38.7	2.0	0.1	0.7	0.0	0.8	79.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	13.7	16.2	13.6	12.3	0.3	0.2	0.0	5.4	3.3	0.0	0.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	81.5	50.1	57.7	82.6	22.2	12.3	33.4	0.0	32.9	136.3	0.0	27.5
LnGrp LOS	F	D	E	F	C	B	C	A	C	F	A	C
Approach Vol, veh/h		1482			2377			244			81	
Approach Delay, s/veh		52.9			31.3			33.0			112.1	
Approach LOS		D			C			C			F	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	31.0	43.4		40.5	5.6	68.8		40.5
Change Period (Y+Rc), s	4.6	6.5		4.6	4.6	* 6.5		4.6
Max Green Setting (Gmax), s	26.4	36.9		10.4	5.0	* 59		36.0
Max Q Clear Time (g_c+I1), s	27.4	34.0		37.9	2.5	37.9		37.8
Green Ext Time (p_c), s	0.0	2.1		0.0	0.0	13.6		0.0

Intersection Summary	
HCM 6th Ctrl Delay	40.6
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	918.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	5	0	29	105	8	21	71	1160	464	93	1298	29
Future Vol, veh/h	5	0	29	105	8	21	71	1160	464	93	1298	29
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	200	-	-	375	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	93	92	93	92	93	93	93	93	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	5	0	32	113	9	23	77	1247	499	100	1396	32

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2394	3512	1412	3279	3279	873	1428	0	0	1746	0	0
Stage 1	1612	1612	-	1651	1651	-	-	-	-	-	-	-
Stage 2	782	1900	-	1628	1628	-	-	-	-	-	-	-
Critical Hdwy	7.3	6.5	6.2	7.3	6.5	6.9	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.5	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	21	6	171	~ 4	9	297	482	-	-	364	-	-
Stage 1	133	165	-	~ 105	158	-	-	-	-	-	-	-
Stage 2	358	119	-	130	162	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	4	171	~ 2	~ 5	297	482	-	-	364	-	-
Mov Cap-2 Maneuver	-	4	-	~ 2	~ 5	-	-	-	-	-	-	-
Stage 1	112	120	-	~ 88	133	-	-	-	-	-	-	-
Stage 2	260	100	-	~ 77	117	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s		$ 22484	0.6	1.2
HCM LOS	-	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	482	-	-	-	171	2	17	364	-	-
HCM Lane V/C Ratio	0.16	-	-	-	0.184	56.452	1.84	0.275	-	-
HCM Control Delay (s)	13.9	-	-	-	30	$ 28472.9	$ 865.1	18.6	-	-
HCM Lane LOS	B	-	-	-	D	F	F	C	-	-
HCM 95th %tile Q(veh)	0.6	-	-	-	0.7	16.4	4.4	1.1	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

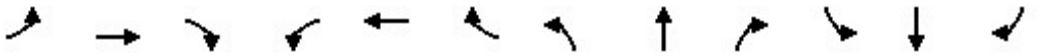
Intersection	
Int Delay, s/veh	4.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	96	373	38	129	179	0	19	0	40	0	0	32
Future Vol, veh/h	96	373	38	129	179	0	19	0	40	0	0	32
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	75	75	75	75	92	75	92	75	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	104	497	51	172	239	0	25	0	53	0	0	35

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	239	0	0	548	0	0	1332	1314	523	1340	1339	239
Stage 1	-	-	-	-	-	-	731	731	-	583	583	-
Stage 2	-	-	-	-	-	-	601	583	-	757	756	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1340	-	-	1032	-	-	133	160	558	131	154	805
Stage 1	-	-	-	-	-	-	416	430	-	502	502	-
Stage 2	-	-	-	-	-	-	491	502	-	403	419	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1340	-	-	1032	-	-	99	115	558	93	111	805
Mov Cap-2 Maneuver	-	-	-	-	-	-	99	115	-	93	111	-
Stage 1	-	-	-	-	-	-	369	382	-	446	406	-
Stage 2	-	-	-	-	-	-	380	406	-	324	372	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	1.3	3.8	29.5	9.7
HCM LOS			D	A

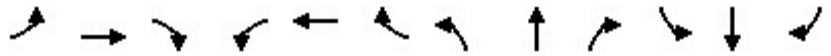
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	224	1340	-	-	1032	-	-	805
HCM Lane V/C Ratio	0.351	0.078	-	-	0.167	-	-	0.043
HCM Control Delay (s)	29.5	7.9	0	-	9.2	0	-	9.7
HCM Lane LOS	D	A	A	-	A	A	-	A
HCM 95th %tile Q(veh)	1.5	0.3	-	-	0.6	-	-	0.1



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	26	1	88	302	2	44	25	1608	187	22	1318	79
Future Volume (veh/h)	26	1	88	302	2	44	25	1608	187	22	1318	79
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	28	1	96	328	2	48	27	1748	203	24	1433	86
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	430	4	392	349	467	396	48	1987	886	44	1979	883
Arrive On Green	0.25	0.25	0.25	0.25	0.25	0.25	0.03	0.55	0.55	0.02	0.55	0.55
Sat Flow, veh/h	1453	17	1596	1392	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	28	0	97	328	2	48	27	1748	203	24	1433	86
Grp Sat Flow(s),veh/h/ln	1453	0	1613	1392	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	1.4	0.0	4.7	19.3	0.1	2.3	1.4	41.2	6.3	1.3	29.0	2.5
Cycle Q Clear(g_c), s	1.5	0.0	4.7	24.0	0.1	2.3	1.4	41.2	6.3	1.3	29.0	2.5
Prop In Lane	1.00		0.99	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	430	0	397	349	467	396	48	1987	886	44	1979	883
V/C Ratio(X)	0.07	0.00	0.24	0.94	0.00	0.12	0.56	0.88	0.23	0.54	0.72	0.10
Avail Cap(c_a), veh/h	430	0	397	349	467	396	93	2164	965	93	2164	965
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.4	0.0	29.5	40.7	27.8	28.6	46.9	19.1	11.3	47.1	16.5	10.5
Incr Delay (d2), s/veh	0.0	0.0	0.1	32.6	0.0	0.1	3.8	4.3	0.1	3.8	1.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.0	1.8	11.1	0.0	0.9	0.7	15.0	1.9	0.6	10.1	0.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	28.4	0.0	29.6	73.3	27.8	28.7	50.7	23.4	11.4	50.8	17.6	10.6
LnGrp LOS	C	A	C	E	C	C	D	C	B	D	B	B
Approach Vol, veh/h		125			378			1978			1543	
Approach Delay, s/veh		29.4			67.4			22.6			17.8	
Approach LOS		C			E			C			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.4	60.2		30.0	7.6	60.0		30.0				
Change Period (Y+Rc), s	5.0	6.5		6.0	5.0	6.5		6.0				
Max Green Setting (Gmax), s	5.0	58.5		24.0	5.0	58.5		24.0				
Max Q Clear Time (g_c+I1), s	3.3	43.2		6.7	3.4	31.0		26.0				
Green Ext Time (p_c), s	0.0	10.5		0.3	0.0	11.4		0.0				

Intersection Summary			
HCM 6th Ctrl Delay		25.1	
HCM 6th LOS		C	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	56	70	17	97	216	455	37	1341	39	216	1324	168
Future Volume (veh/h)	56	70	17	97	216	455	37	1341	39	216	1324	168
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	61	76	18	105	235	495	40	1458	42	235	1439	183
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	216	455	108	429	582	493	52	1524	680	259	1935	863
Arrive On Green	0.31	0.31	0.31	0.31	0.31	0.31	0.03	0.42	0.42	0.14	0.54	0.54
Sat Flow, veh/h	778	1485	352	1396	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	61	0	94	105	235	495	40	1458	42	235	1439	183
Grp Sat Flow(s),veh/h/ln	778	0	1837	1396	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	9.0	0.0	5.0	8.0	13.1	41.0	2.9	52.4	2.1	17.1	41.1	8.0
Cycle Q Clear(g_c), s	22.1	0.0	5.0	13.0	13.1	41.0	2.9	52.4	2.1	17.1	41.1	8.0
Prop In Lane	1.00		0.19	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	216	0	563	429	582	493	52	1524	680	259	1935	863
V/C Ratio(X)	0.28	0.00	0.17	0.24	0.40	1.00	0.76	0.96	0.06	0.91	0.74	0.21
Avail Cap(c_a), veh/h	216	0	563	429	582	493	85	1530	682	261	1935	863
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	45.5	0.0	33.9	38.7	36.7	46.4	64.5	37.5	22.9	56.5	23.9	16.2
Incr Delay (d2), s/veh	0.3	0.0	0.1	0.1	0.2	41.3	15.6	14.3	0.1	32.3	1.9	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	0.0	2.3	2.8	6.2	21.9	1.5	24.4	0.8	9.8	16.3	2.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	45.7	0.0	34.0	38.8	36.9	87.7	80.1	51.8	23.0	88.8	25.9	16.5
LnGrp LOS	D	A	C	D	D	F	F	D	C	F	C	B
Approach Vol, veh/h		155			835			1540			1857	
Approach Delay, s/veh		38.6			67.3			51.7			32.9	
Approach LOS		D			E			D			C	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	23.8	64.0		46.0	8.6	79.2		46.0
Change Period (Y+Rc), s	* 4.7	7.5		5.0	* 4.7	7.5		5.0
Max Green Setting (Gmax), s	* 19	56.7		41.0	* 6.3	69.7		41.0
Max Q Clear Time (g_c+I1), s	19.1	54.4		24.1	4.9	43.1		43.0
Green Ext Time (p_c), s	0.0	2.1		0.5	0.0	19.6		0.0

Intersection Summary	
HCM 6th Ctrl Delay	46.3
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	21.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	298	147	0	12	607
Future Vol, veh/h	0	298	147	0	12	607
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	77	77	77	77	77	77
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	387	191	0	16	788

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	578	191
Stage 1	-	-	-	-	191	-
Stage 2	-	-	-	-	387	-
Critical Hdwy	-	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	0	-	-	0	481	856
Stage 1	0	-	-	0	846	-
Stage 2	0	-	-	0	691	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	481	856
Mov Cap-2 Maneuver	-	-	-	-	481	-
Stage 1	-	-	-	-	846	-
Stage 2	-	-	-	-	691	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	36.3
HCM LOS			E

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	481	856
HCM Lane V/C Ratio	-	-	0.032	0.921
HCM Control Delay (s)	-	-	12.7	36.8
HCM Lane LOS	-	-	B	E
HCM 95th %tile Q(veh)	-	-	0.1	13.5

Intersection	
Int Delay, s/veh	0

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	0	96	0	0	32
Future Vol, veh/h	0	0	96	0	0	32
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	104	0	0	35

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	139	104	0	0	104	0
Stage 1	104	-	-	-	-	-
Stage 2	35	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	859	956	-	-	1500	-
Stage 1	925	-	-	-	-	-
Stage 2	993	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	859	956	-	-	1500	-
Mov Cap-2 Maneuver	859	-	-	-	-	-
Stage 1	925	-	-	-	-	-
Stage 2	993	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	-	1500	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	-	-	0	0	-
HCM Lane LOS	-	-	A	A	-
HCM 95th %tile Q(veh)	-	-	-	0	-

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	0	413	308	0
Future Vol, veh/h	0	0	0	413	308	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	0	449	335	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	784	335	335	0	-	0
Stage 1	335	-	-	-	-	-
Stage 2	449	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	365	712	1236	-	-	-
Stage 1	729	-	-	-	-	-
Stage 2	647	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	365	712	1236	-	-	-
Mov Cap-2 Maneuver	365	-	-	-	-	-
Stage 1	729	-	-	-	-	-
Stage 2	647	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1236	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	0	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-

Intersection	
Int Delay, s/veh	5.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	14	0	0	0	81	15	0	0	19	0
Future Vol, veh/h	0	0	14	0	0	0	81	15	0	0	19	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	0	0	15	0	0	0	88	16	0	0	21	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	213	213	21	221	213	16	21	0	0	16	0	0
Stage 1	21	21	-	192	192	-	-	-	-	-	-	-
Stage 2	192	192	-	29	21	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.1	6.5	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	748	688	1062	739	688	1069	1608	-	-	1615	-	-
Stage 1	1003	882	-	814	745	-	-	-	-	-	-	-
Stage 2	814	745	-	993	882	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	717	650	1062	698	650	1069	1608	-	-	1615	-	-
Mov Cap-2 Maneuver	717	650	-	698	650	-	-	-	-	-	-	-
Stage 1	948	882	-	769	704	-	-	-	-	-	-	-
Stage 2	769	704	-	979	882	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	8.4	0	6.2	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1608	-	-	1062	-	1615	-	-
HCM Lane V/C Ratio	0.055	-	-	0.014	-	-	-	-
HCM Control Delay (s)	7.4	0	-	8.4	0	0	-	-
HCM Lane LOS	A	A	-	A	A	A	-	-
HCM 95th %tile Q(veh)	0.2	-	-	0	-	0	-	-

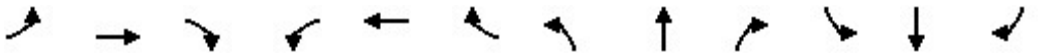
Intersection	
Int Delay, s/veh	0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	0	413	308	0
Future Vol, veh/h	0	0	0	413	308	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	0	449	335	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	784	335	335	0	-	0
Stage 1	335	-	-	-	-	-
Stage 2	449	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	365	712	1236	-	-	-
Stage 1	729	-	-	-	-	-
Stage 2	647	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	365	712	1236	-	-	-
Mov Cap-2 Maneuver	365	-	-	-	-	-
Stage 1	729	-	-	-	-	-
Stage 2	647	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1236	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	0	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-



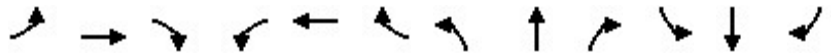
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	61	1292	187	14	936	426	264	1376	36	615	1063	62
Future Volume (veh/h)	61	1292	187	14	936	426	264	1376	36	615	1063	62
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	64	1360	197	15	985	448	278	1448	38	647	1119	65
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	20	968	139	42	770	344	280	1041	27	345	1128	65
Arrive On Green	0.01	0.31	0.33	0.02	0.32	0.32	0.15	0.29	0.29	0.19	0.33	0.33
Sat Flow, veh/h	1810	3168	455	1810	2426	1084	1810	3594	94	1810	3467	201
Grp Volume(v), veh/h	64	770	787	15	729	704	278	726	760	647	582	602
Grp Sat Flow(s),veh/h/ln	1810	1805	1818	1810	1805	1705	1810	1805	1883	1810	1805	1864
Q Serve(g_s), s	1.6	43.8	43.8	1.2	45.5	45.5	22.0	41.5	41.5	27.3	46.1	46.1
Cycle Q Clear(g_c), s	1.6	43.8	43.8	1.2	45.5	45.5	22.0	41.5	41.5	27.3	46.1	46.1
Prop In Lane	1.00		0.25	1.00		0.64	1.00		0.05	1.00		0.11
Lane Grp Cap(c), veh/h	20	552	556	42	573	541	280	523	545	345	587	606
V/C Ratio(X)	3.15	1.40	1.42	0.36	1.27	1.30	0.99	1.39	1.39	1.88	0.99	0.99
Avail Cap(c_a), veh/h	42	552	556	63	573	541	280	523	545	345	587	606
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	70.8	49.8	49.4	69.0	48.9	48.9	60.5	50.9	50.9	58.0	48.2	48.2
Incr Delay (d2), s/veh	1083.8	188.6	198.1	3.8	135.4	148.7	51.3	186.9	187.9	405.5	35.0	34.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.8	47.7	49.4	0.6	41.0	40.7	13.7	45.0	47.1	50.8	25.4	26.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1154.6	238.4	247.5	72.8	184.3	197.6	111.8	237.8	238.8	463.5	83.2	82.9
LnGrp LOS	F	F	F	E	F	F	F	F	F	F	F	F
Approach Vol, veh/h		1621			1448			1764			1831	
Approach Delay, s/veh		279.0			189.6			218.4			217.5	
Approach LOS		F			F			F			F	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.0	54.3	26.9	54.1	9.3	53.0	32.0	49.0
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	5.0	* 47	* 22	46.6	6.3	* 46	* 27	41.5
Max Q Clear Time (g_c+I1), s	3.2	46.8	24.0	48.1	4.6	47.5	29.3	43.5
Green Ext Time (p_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	226.6
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	6	1929	9	145	1332	60	48	8	325	34	0	3
Future Volume (veh/h)	6	1929	9	145	1332	60	48	8	325	34	0	3
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1700	1800	1800	1700	1800	1800	1700	1800	1800	1700	1800	1800
Adj Flow Rate, veh/h	6	2009	9	151	1388	62	50	8	339	35	0	3
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	12	2234	10	175	2669	828	58	5	477	62	0	478
Arrive On Green	0.01	0.44	0.44	0.11	0.54	0.54	0.31	0.31	0.31	0.31	0.00	0.31
Sat Flow, veh/h	1619	5049	23	1619	4914	1525	0	16	1523	0	0	1525
Grp Volume(v), veh/h	6	1303	715	151	1388	62	58	0	339	35	0	3
Grp Sat Flow(s),veh/h/ln	1619	1638	1796	1619	1638	1525	16	0	1523	0	0	1525
Q Serve(g_s), s	0.4	42.5	42.5	10.6	20.7	2.2	0.0	0.0	22.7	0.0	0.0	0.2
Cycle Q Clear(g_c), s	0.4	42.5	42.5	10.6	20.7	2.2	36.1	0.0	22.7	36.1	0.0	0.2
Prop In Lane	1.00		0.01	1.00		1.00	0.86		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	12	1449	795	175	2669	828	63	0	477	62	0	478
V/C Ratio(X)	0.49	0.90	0.90	0.86	0.52	0.07	0.92	0.00	0.71	0.56	0.00	0.01
Avail Cap(c_a), veh/h	70	1449	795	177	2669	828	63	0	477	62	0	478
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	57.0	29.8	29.8	50.6	16.8	12.5	54.5	0.0	35.0	57.6	0.0	27.2
Incr Delay (d2), s/veh	27.1	9.2	15.2	32.4	0.7	0.2	84.7	0.0	4.9	10.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	16.8	19.8	5.7	7.0	0.7	3.2	0.0	9.0	1.2	0.0	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	84.1	39.0	44.9	83.0	17.5	12.7	139.2	0.0	39.9	68.5	0.0	27.2
LnGrp LOS	F	D	D	F	B	B	F	A	D	E	A	C
Approach Vol, veh/h		2024			1601			397			38	
Approach Delay, s/veh		41.2			23.5			54.4			65.2	
Approach LOS		D			C			D			E	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	17.1	57.5		40.7	5.5	69.1		40.7
Change Period (Y+Rc), s	4.6	6.5		4.6	4.6	* 6.5		4.6
Max Green Setting (Gmax), s	12.6	51.0		10.0	5.0	* 59		36.1
Max Q Clear Time (g_c+I1), s	12.6	44.5		38.1	2.4	22.7		38.1
Green Ext Time (p_c), s	0.0	5.2		0.0	0.0	11.3		0.0

Intersection Summary	
HCM 6th Ctrl Delay	35.7
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	3524.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	25	0	56	361	0	73	5	1579	133	37	1212	15
Future Vol, veh/h	25	0	56	361	0	73	5	1579	133	37	1212	15
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	200	-	-	375	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	98	92	98	92	98	98	98	98	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	27	0	61	368	0	74	5	1611	136	38	1237	16

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2137	3078	1245	3041	3018	874	1253	0	0	1747	0	0
Stage 1	1321	1321	-	1689	1689	-	-	-	-	-	-	-
Stage 2	816	1757	-	1352	1329	-	-	-	-	-	-	-
Critical Hdwy	7.3	6.5	6.2	7.3	6.5	6.9	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.5	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	32	12	214	~ 7	13	297	562	-	-	364	-	-
Stage 1	195	228	-	~ 99	151	-	-	-	-	-	-	-
Stage 2	341	140	-	~ 187	226	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	~ 22	11	214	~ 5	12	297	562	-	-	364	-	-
Mov Cap-2 Maneuver	~ 22	11	-	~ 5	12	-	-	-	-	-	-	-
Stage 1	193	204	-	~ 98	150	-	-	-	-	-	-	-
Stage 2	253	139	-	~ 120	202	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	182.5	$ 28403.1	0	0.5
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	562	-	-	22	214	5	297	364	-	-
HCM Lane V/C Ratio	0.01	-	-	1.235	0.284	73.673	0.251	0.104	-	-
HCM Control Delay (s)	11.5	-	-	$ 527.7	28.4	$ 4142.4	21.1	16	-	-
HCM Lane LOS	B	-	-	F	D	F	C	C	-	-
HCM 95th %tile Q(veh)	0	-	-	3.5	1.1	48.3	1	0.3	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

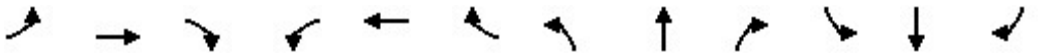
Intersection	
Int Delay, s/veh	4.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	19	200	24	72	275	0	27	0	136	0	0	98
Future Vol, veh/h	19	200	24	72	275	0	27	0	136	0	0	98
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	21	222	27	80	306	0	30	0	151	0	0	109

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	306	0	0	249	0	0	799	744	236	819	757	306
Stage 1	-	-	-	-	-	-	278	278	-	466	466	-
Stage 2	-	-	-	-	-	-	521	466	-	353	291	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1266	-	-	1328	-	-	306	345	808	297	339	739
Stage 1	-	-	-	-	-	-	733	684	-	581	566	-
Stage 2	-	-	-	-	-	-	542	566	-	668	675	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1266	-	-	1328	-	-	243	314	808	225	308	739
Mov Cap-2 Maneuver	-	-	-	-	-	-	243	314	-	225	308	-
Stage 1	-	-	-	-	-	-	719	671	-	570	525	-
Stage 2	-	-	-	-	-	-	428	525	-	533	662	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.6	1.6	13.9	10.7
HCM LOS			B	B

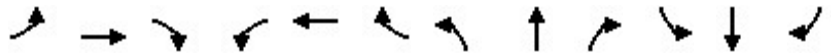
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	583	1266	-	-	1328	-	-	739
HCM Lane V/C Ratio	0.311	0.017	-	-	0.06	-	-	0.147
HCM Control Delay (s)	13.9	7.9	0	-	7.9	0	-	10.7
HCM Lane LOS	B	A	A	-	A	A	-	B
HCM 95th %tile Q(veh)	1.3	0.1	-	-	0.2	-	-	0.5



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	38	1	64	233	4	35	36	1627	286	36	1550	62
Future Volume (veh/h)	38	1	64	233	4	35	36	1627	286	36	1550	62
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	39	1	65	238	4	36	37	1660	292	37	1582	63
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	404	5	350	351	419	355	62	1959	874	62	1959	874
Arrive On Green	0.22	0.22	0.22	0.22	0.22	0.22	0.03	0.54	0.54	0.03	0.54	0.54
Sat Flow, veh/h	1466	24	1589	1432	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	39	0	66	238	4	36	37	1660	292	37	1582	63
Grp Sat Flow(s),veh/h/ln	1466	0	1614	1432	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	1.8	0.0	2.9	14.0	0.1	1.5	1.7	33.6	8.7	1.7	30.8	1.6
Cycle Q Clear(g_c), s	2.0	0.0	2.9	16.9	0.1	1.5	1.7	33.6	8.7	1.7	30.8	1.6
Prop In Lane	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	404	0	356	351	419	355	62	1959	874	62	1959	874
V/C Ratio(X)	0.10	0.00	0.19	0.68	0.01	0.10	0.60	0.85	0.33	0.60	0.81	0.07
Avail Cap(c_a), veh/h	472	0	430	417	506	429	482	2217	989	482	2217	989
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.1	0.0	27.3	34.2	26.3	26.8	41.1	16.7	11.0	41.1	16.1	9.4
Incr Delay (d2), s/veh	0.0	0.0	0.1	2.2	0.0	0.0	3.4	3.0	0.2	3.4	2.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.0	1.1	5.0	0.1	0.6	0.8	11.5	2.5	0.8	10.3	0.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.1	0.0	27.4	36.4	26.3	26.9	44.6	19.7	11.2	44.6	18.1	9.4
LnGrp LOS	C	A	C	D	C	C	D	B	B	D	B	A
Approach Vol, veh/h		105			278			1989			1682	
Approach Delay, s/veh		27.3			35.0			18.9			18.4	
Approach LOS		C			D			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.9	53.3		25.0	7.9	53.3		25.0				
Change Period (Y+Rc), s	5.0	6.5		6.0	5.0	6.5		6.0				
Max Green Setting (Gmax), s	23.0	53.0		23.0	23.0	53.0		23.0				
Max Q Clear Time (g_c+I1), s	3.7	35.6		4.9	3.7	32.8		18.9				
Green Ext Time (p_c), s	0.0	11.3		0.2	0.0	11.0		0.2				

Intersection Summary			
HCM 6th Ctrl Delay		20.0	
HCM 6th LOS		C	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	194	242	35	75	81	271	32	1502	95	422	1346	81
Future Volume (veh/h)	194	242	35	75	81	271	32	1502	95	422	1346	81
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	200	249	36	77	84	279	33	1548	98	435	1388	84
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	285	392	57	182	459	389	50	1531	683	346	2121	946
Arrive On Green	0.24	0.24	0.24	0.24	0.24	0.24	0.03	0.42	0.42	0.19	0.59	0.59
Sat Flow, veh/h	1092	1623	235	1173	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	200	0	285	77	84	279	33	1548	98	435	1388	84
Grp Sat Flow(s),veh/h/ln	1092	0	1858	1173	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	21.4	0.0	16.5	7.6	4.2	19.1	2.2	51.0	4.5	23.0	31.0	2.7
Cycle Q Clear(g_c), s	25.6	0.0	16.5	24.1	4.2	19.1	2.2	51.0	4.5	23.0	31.0	2.7
Prop In Lane	1.00		0.13	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	285	0	449	182	459	389	50	1531	683	346	2121	946
V/C Ratio(X)	0.70	0.00	0.64	0.42	0.18	0.72	0.66	1.01	0.14	1.26	0.65	0.09
Avail Cap(c_a), veh/h	412	0	664	318	679	576	346	1531	683	346	2121	946
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	46.3	0.0	40.9	51.6	36.2	41.8	57.9	34.6	21.2	48.6	16.6	10.8
Incr Delay (d2), s/veh	1.2	0.0	0.6	0.6	0.1	0.9	10.3	25.8	0.2	137.0	1.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.9	0.0	7.6	2.3	2.0	7.7	1.1	25.7	1.6	23.0	11.3	0.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	47.5	0.0	41.4	52.2	36.3	42.8	68.2	60.4	21.4	185.7	17.6	10.9
LnGrp LOS	D	A	D	D	D	D	E	F	C	F	B	B
Approach Vol, veh/h		485			440			1679			1907	
Approach Delay, s/veh		43.9			43.2			58.3			55.7	
Approach LOS		D			D			E			E	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	27.7	58.5		34.1	8.0	78.2		34.1
Change Period (Y+Rc), s	* 4.7	7.5		5.0	* 4.7	7.5		5.0
Max Green Setting (Gmax), s	* 23	51.0		43.0	* 23	51.0		43.0
Max Q Clear Time (g_c+I1), s	25.6	53.0		27.6	4.2	33.0		26.1
Green Ext Time (p_c), s	0.0	0.0		1.4	0.0	13.6		0.9

Intersection Summary	
HCM 6th Ctrl Delay	54.1
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	723	103	0	50	334
Future Vol, veh/h	0	723	103	0	50	334
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	831	118	0	57	384

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	949	118
Stage 1	-	-	-	-	118	-
Stage 2	-	-	-	-	831	-
Critical Hdwy	-	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	0	-	-	0	291	939
Stage 1	0	-	-	0	912	-
Stage 2	0	-	-	0	431	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	291	939
Mov Cap-2 Maneuver	-	-	-	-	291	-
Stage 1	-	-	-	-	912	-
Stage 2	-	-	-	-	431	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	12.7
HCM LOS			B

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	291	939
HCM Lane V/C Ratio	-	-	0.197	0.409
HCM Control Delay (s)	-	-	20.4	11.5
HCM Lane LOS	-	-	C	B
HCM 95th %tile Q(veh)	-	-	0.7	2

Intersection	
Int Delay, s/veh	0

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	0	19	0	0	98
Future Vol, veh/h	0	0	19	0	0	98
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	21	0	0	107

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	128	21	0	0	21	0
Stage 1	21	-	-	-	-	-
Stage 2	107	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	871	1062	-	-	1608	-
Stage 1	1007	-	-	-	-	-
Stage 2	922	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	871	1062	-	-	1608	-
Mov Cap-2 Maneuver	871	-	-	-	-	-
Stage 1	1007	-	-	-	-	-
Stage 2	922	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	-	1608	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	-	-	0	0	-
HCM Lane LOS	-	-	A	A	-
HCM 95th %tile Q(veh)	-	-	-	0	-

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	0	336	346	0
Future Vol, veh/h	0	0	0	336	346	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	0	365	376	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	741	376	376	0	-	0
Stage 1	376	-	-	-	-	-
Stage 2	365	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	387	675	1194	-	-	-
Stage 1	699	-	-	-	-	-
Stage 2	707	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	387	675	1194	-	-	-
Mov Cap-2 Maneuver	387	-	-	-	-	-
Stage 1	699	-	-	-	-	-
Stage 2	707	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1194	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	0	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-

Intersection	
Int Delay, s/veh	6.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	71	0	0	0	16	3	0	0	27	0
Future Vol, veh/h	0	0	71	0	0	0	16	3	0	0	27	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	0	0	77	0	0	0	17	3	0	0	29	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	66	66	29	105	66	3	29	0	0	3	0	0
Stage 1	29	29	-	37	37	-	-	-	-	-	-	-
Stage 2	37	37	-	68	29	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.1	6.5	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	932	829	1052	880	829	1087	1597	-	-	1632	-	-
Stage 1	993	875	-	984	868	-	-	-	-	-	-	-
Stage 2	984	868	-	947	875	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	925	820	1052	809	820	1087	1597	-	-	1632	-	-
Mov Cap-2 Maneuver	925	820	-	809	820	-	-	-	-	-	-	-
Stage 1	982	875	-	973	858	-	-	-	-	-	-	-
Stage 2	973	858	-	878	875	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	8.7	0	6.1	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1597	-	-	1052	-	1632	-	-
HCM Lane V/C Ratio	0.011	-	-	0.073	-	-	-	-
HCM Control Delay (s)	7.3	0	-	8.7	0	0	-	-
HCM Lane LOS	A	A	-	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	-	0.2	-	0	-	-

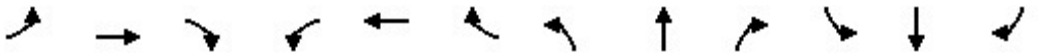
Intersection	
Int Delay, s/veh	0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	0	336	346	0
Future Vol, veh/h	0	0	0	336	346	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	0	365	376	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	741	376	376	0	-	0
Stage 1	376	-	-	-	-	-
Stage 2	365	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	387	675	1194	-	-	-
Stage 1	699	-	-	-	-	-
Stage 2	707	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	387	675	1194	-	-	-
Mov Cap-2 Maneuver	387	-	-	-	-	-
Stage 1	699	-	-	-	-	-
Stage 2	707	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1194	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	0	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-



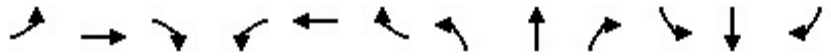
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	63	880	207	12	1164	555	205	978	11	388	1221	43
Future Volume (veh/h)	63	880	207	12	1164	555	205	978	11	388	1221	43
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	66	917	216	12	1212	578	214	1019	11	404	1272	45
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	21	992	233	133	977	441	156	861	9	284	1087	38
Arrive On Green	0.01	0.34	0.36	0.07	0.40	0.40	0.09	0.24	0.24	0.16	0.31	0.31
Sat Flow, veh/h	1810	2900	682	1810	2418	1091	1810	3658	39	1810	3557	126
Grp Volume(v), veh/h	66	570	563	12	887	903	214	503	527	404	645	672
Grp Sat Flow(s),veh/h/ln	1810	1805	1777	1810	1805	1704	1810	1805	1893	1810	1805	1877
Q Serve(g_s), s	1.6	43.3	43.3	0.9	57.5	57.5	12.3	33.5	33.5	22.3	43.5	43.5
Cycle Q Clear(g_c), s	1.6	43.3	43.3	0.9	57.5	57.5	12.3	33.5	33.5	22.3	43.5	43.5
Prop In Lane	1.00		0.38	1.00		0.64	1.00		0.02	1.00		0.07
Lane Grp Cap(c), veh/h	21	618	608	133	729	688	156	425	446	284	552	574
V/C Ratio(X)	3.18	0.92	0.93	0.09	1.22	1.31	1.37	1.18	1.18	1.43	1.17	1.17
Avail Cap(c_a), veh/h	55	720	709	133	729	688	156	425	446	284	552	574
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	70.4	45.0	44.5	61.5	42.4	42.4	65.0	54.4	54.4	60.0	49.4	49.4
Incr Delay (d2), s/veh	1094.8	16.1	16.6	0.2	109.7	150.6	201.1	104.2	103.4	210.6	94.4	94.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.0	21.1	20.8	0.4	46.1	51.4	14.2	26.9	28.1	26.4	33.1	34.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1165.1	61.1	61.0	61.7	152.1	193.1	266.1	158.6	157.8	270.6	143.8	143.9
LnGrp LOS	F	E	E	E	F	F	F	F	F	F	F	F
Approach Vol, veh/h		1199			1802			1244			1721	
Approach Delay, s/veh		121.9			172.0			176.7			173.6	
Approach LOS		F			F			F			F	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	15.1	59.2	17.0	51.0	9.3	65.0	27.0	41.0
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	5.0	* 60	* 12	43.5	7.3	* 58	* 22	33.5
Max Q Clear Time (g_c+I1), s	2.9	46.3	14.3	45.5	4.6	59.5	24.3	35.5
Green Ext Time (p_c), s	0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	163.4
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	6	1242	27	344	1695	19	8	2	207	52	2	15
Future Volume (veh/h)	6	1242	27	344	1695	19	8	2	207	52	2	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1700	1800	1800	1700	1800	1800	1700	1800	1800	1700	1800	1800
Adj Flow Rate, veh/h	7	1461	32	405	1994	22	9	2	244	61	2	18
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	14	1633	36	426	2871	891	52	6	432	56	1	432
Arrive On Green	0.01	0.33	0.33	0.26	0.58	0.58	0.28	0.28	0.28	0.28	0.28	0.28
Sat Flow, veh/h	1619	4948	108	1619	4914	1525	1	22	1522	1	3	1525
Grp Volume(v), veh/h	7	967	526	405	1994	22	11	0	244	63	0	18
Grp Sat Flow(s),veh/h/ln	1619	1638	1780	1619	1638	1525	24	0	1522	5	0	1525
Q Serve(g_s), s	0.5	35.6	35.6	31.2	36.0	0.8	0.0	0.0	17.4	0.0	0.0	1.1
Cycle Q Clear(g_c), s	0.5	35.6	35.6	31.2	36.0	0.8	36.0	0.0	17.4	36.0	0.0	1.1
Prop In Lane	1.00		0.06	1.00		1.00	0.82		1.00	0.97		1.00
Lane Grp Cap(c), veh/h	14	1081	588	426	2871	891	58	0	432	57	0	432
V/C Ratio(X)	0.50	0.89	0.89	0.95	0.69	0.02	0.19	0.00	0.57	1.10	0.00	0.04
Avail Cap(c_a), veh/h	64	1081	588	439	2871	891	58	0	432	57	0	432
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	62.7	40.4	40.4	46.0	18.5	11.1	43.0	0.0	38.8	62.9	0.0	33.0
Incr Delay (d2), s/veh	25.3	11.4	18.7	30.5	1.4	0.1	1.5	0.0	1.7	150.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	15.2	17.7	15.5	12.3	0.2	0.3	0.0	6.7	4.2	0.0	0.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	88.0	51.8	59.1	76.5	19.9	11.2	44.5	0.0	40.5	213.0	0.0	33.0
LnGrp LOS	F	D	E	E	B	B	D	A	D	F	A	C
Approach Vol, veh/h		1500			2421			255			81	
Approach Delay, s/veh		54.6			29.3			40.7			173.0	
Approach LOS		D			C			D			F	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	8.0	48.4		40.6	5.7	80.7		40.6
Change Period (Y+Rc), s	4.6	6.5		4.6	4.6	* 6.5		4.6
Max Green Setting (Gmax), s	24.4	41.9		17.4	5.0	* 72		36.0
Max Q Clear Time (g_c+I1), s	3.2	37.6		38.0	2.5	38.0		38.0
Green Ext Time (p_c), s	0.2	3.0		0.0	0.0	18.3		0.0

Intersection Summary	
HCM 6th Ctrl Delay	41.6
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	1124.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	5	0	29	119	8	25	71	1160	550	111	1298	29
Future Vol, veh/h	5	0	29	119	8	25	71	1160	550	111	1298	29
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	200	-	-	375	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	93	92	93	92	93	93	93	93	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	5	0	32	128	9	27	77	1247	591	119	1396	32

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2432	3642	1412	3363	3363	919	1428	0	0	1838	0	0
Stage 1	1650	1650	-	1697	1697	-	-	-	-	-	-	-
Stage 2	782	1992	-	1666	1666	-	-	-	-	-	-	-
Critical Hdwy	7.3	6.5	6.2	7.3	6.5	6.9	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.5	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	19	5	171	~ 4	~ 8	277	482	-	-	336	-	-
Stage 1	126	158	-	~ 98	150	-	-	-	-	-	-	-
Stage 2	358	107	-	~ 123	155	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	3	171	~ 2	~ 4	277	482	-	-	336	-	-
Mov Cap-2 Maneuver	-	3	-	~ 2	~ 4	-	-	-	-	-	-	-
Stage 1	106	102	-	~ 82	126	-	-	-	-	-	-	-
Stage 2	253	90	-	~ 65	100	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s		$ 25165.2	0.6	1.7
HCM LOS	-	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	482	-	-	-	171	2	16	336	-	-
HCM Lane V/C Ratio	0.16	-	-	-	0.184	63.978	2.224	0.355	-	-
HCM Control Delay (s)	13.9	-	-	-	30	$ 31869.9	$ 1053.9	21.5	-	-
HCM Lane LOS	B	-	-	-	D	F	F	C	-	-
HCM 95th %tile Q(veh)	0.6	-	-	-	0.7	18.4	5.1	1.6	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

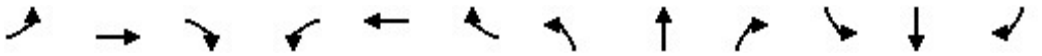
Intersection	
Int Delay, s/veh	5.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	156	418	38	129	187	0	19	0	40	0	0	43
Future Vol, veh/h	156	418	38	129	187	0	19	0	40	0	0	43
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	75	75	75	75	92	75	92	75	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	170	557	51	172	249	0	25	0	53	0	0	47

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	249	0	0	608	0	0	1540	1516	583	1542	1541	249
Stage 1	-	-	-	-	-	-	923	923	-	593	593	-
Stage 2	-	-	-	-	-	-	617	593	-	949	948	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1328	-	-	980	-	-	95	121	516	95	116	795
Stage 1	-	-	-	-	-	-	326	351	-	496	497	-
Stage 2	-	-	-	-	-	-	481	497	-	315	342	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1328	-	-	980	-	-	64	78	516	61	74	795
Mov Cap-2 Maneuver	-	-	-	-	-	-	64	78	-	61	74	-
Stage 1	-	-	-	-	-	-	262	283	-	399	396	-
Stage 2	-	-	-	-	-	-	360	396	-	227	275	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	1.8	3.9	48.5	9.8
HCM LOS			E	A

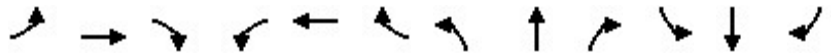
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	158	1328	-	-	980	-	-	795
HCM Lane V/C Ratio	0.498	0.128	-	-	0.176	-	-	0.059
HCM Control Delay (s)	48.5	8.1	0	-	9.5	0	-	9.8
HCM Lane LOS	E	A	A	-	A	A	-	A
HCM 95th %tile Q(veh)	2.4	0.4	-	-	0.6	-	-	0.2



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	26	1	88	302	2	44	25	1694	187	22	1332	79
Future Volume (veh/h)	26	1	88	302	2	44	25	1694	187	22	1332	79
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	28	1	96	328	2	48	27	1841	203	24	1448	86
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	433	4	409	352	487	413	45	2061	919	42	2054	916
Arrive On Green	0.26	0.26	0.26	0.26	0.26	0.26	0.02	0.57	0.57	0.02	0.57	0.57
Sat Flow, veh/h	1453	17	1596	1392	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	28	0	97	328	2	48	27	1841	203	24	1448	86
Grp Sat Flow(s),veh/h/ln	1453	0	1613	1392	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	1.7	0.0	5.6	24.4	0.1	2.7	1.7	52.3	7.2	1.5	33.8	2.8
Cycle Q Clear(g_c), s	1.8	0.0	5.6	30.0	0.1	2.7	1.7	52.3	7.2	1.5	33.8	2.8
Prop In Lane	1.00		0.99	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	433	0	413	352	487	413	45	2061	919	42	2054	916
V/C Ratio(X)	0.06	0.00	0.23	0.93	0.00	0.12	0.60	0.89	0.22	0.57	0.70	0.09
Avail Cap(c_a), veh/h	433	0	413	352	487	413	93	2237	998	77	2206	984
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	33.1	0.0	34.4	47.7	32.4	33.3	56.5	22.0	12.3	56.6	18.1	11.5
Incr Delay (d2), s/veh	0.0	0.0	0.1	30.5	0.0	0.0	4.6	4.8	0.1	4.5	1.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.0	2.2	12.7	0.0	1.1	0.8	20.1	2.3	0.7	12.4	0.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	33.1	0.0	34.5	78.1	32.4	33.4	61.1	26.8	12.4	61.1	19.1	11.5
LnGrp LOS	C	A	C	E	C	C	E	C	B	E	B	B
Approach Vol, veh/h		125			378			2071			1558	
Approach Delay, s/veh		34.2			72.2			25.8			19.3	
Approach LOS		C			E			C			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.7	73.3		36.0	7.9	73.1		36.0				
Change Period (Y+Rc), s	5.0	6.5		6.0	5.0	6.5		6.0				
Max Green Setting (Gmax), s	5.0	72.5		30.0	6.0	71.5		30.0				
Max Q Clear Time (g_c+I1), s	3.5	54.3		7.6	3.7	35.8		32.0				
Green Ext Time (p_c), s	0.0	12.6		0.4	0.0	12.8		0.0				

Intersection Summary			
HCM 6th Ctrl Delay		27.9	
HCM 6th LOS		C	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	56	70	17	97	216	501	37	1381	39	224	1330	168
Future Volume (veh/h)	56	70	17	97	216	501	37	1381	39	224	1330	168
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	61	76	18	105	235	545	40	1501	42	243	1446	183
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	229	489	116	464	625	530	53	1410	629	269	1840	821
Arrive On Green	0.33	0.33	0.33	0.33	0.33	0.33	0.03	0.39	0.39	0.15	0.51	0.51
Sat Flow, veh/h	743	1485	352	1396	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	61	0	94	105	235	545	40	1501	42	243	1446	183
Grp Sat Flow(s),veh/h/ln	743	0	1837	1396	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	8.9	0.0	4.7	7.5	12.4	43.0	2.9	51.0	2.1	17.2	42.8	8.2
Cycle Q Clear(g_c), s	21.3	0.0	4.7	12.2	12.4	43.0	2.9	51.0	2.1	17.2	42.8	8.2
Prop In Lane	1.00		0.19	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	229	0	605	464	625	530	53	1410	629	269	1840	821
V/C Ratio(X)	0.27	0.00	0.16	0.23	0.38	1.03	0.75	1.06	0.07	0.90	0.79	0.22
Avail Cap(c_a), veh/h	229	0	605	464	625	530	319	1410	629	319	1840	821
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	41.7	0.0	31.0	35.3	33.5	43.8	62.9	39.8	24.9	54.7	26.2	17.7
Incr Delay (d2), s/veh	0.2	0.0	0.0	0.1	0.1	46.5	14.7	43.3	0.1	24.2	2.7	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	0.0	2.1	2.6	5.8	23.8	1.5	29.4	0.8	9.3	17.3	2.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	41.9	0.0	31.0	35.4	33.7	90.3	77.7	83.1	25.0	78.8	28.9	18.0
LnGrp LOS	D	A	C	D	C	F	E	F	C	E	C	B
Approach Vol, veh/h		155			885			1583			1872	
Approach Delay, s/veh		35.3			68.7			81.5			34.3	
Approach LOS		D			E			F			C	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	24.1	58.5		48.0	8.5	74.1		48.0
Change Period (Y+Rc), s	* 4.7	7.5		5.0	* 4.7	7.5		5.0
Max Green Setting (Gmax), s	* 23	51.0		43.0	* 23	51.0		43.0
Max Q Clear Time (g_c+I1), s	19.2	53.0		23.3	4.9	44.8		45.0
Green Ext Time (p_c), s	0.2	0.0		0.6	0.0	5.5		0.0

Intersection Summary	
HCM 6th Ctrl Delay	57.7
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	29.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	306	166	0	12	634
Future Vol, veh/h	0	306	166	0	12	634
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	77	77	77	77	77	77
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	397	216	0	16	823

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	613	216
Stage 1	-	-	-	-	216	-
Stage 2	-	-	-	-	397	-
Critical Hdwy	-	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	0	-	-	0	459	829
Stage 1	0	-	-	0	825	-
Stage 2	0	-	-	0	683	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	459	829
Mov Cap-2 Maneuver	-	-	-	-	459	-
Stage 1	-	-	-	-	825	-
Stage 2	-	-	-	-	683	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	51.2
HCM LOS			F

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	459	829
HCM Lane V/C Ratio	-	-	0.034	0.993
HCM Control Delay (s)	-	-	13.1	51.9
HCM Lane LOS	-	-	B	F
HCM 95th %tile Q(veh)	-	-	0.1	17.2

Intersection	
Int Delay, s/veh	0.5

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	6	1	98	35	4	47
Future Vol, veh/h	6	1	98	35	4	47
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	7	1	107	38	4	51

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	185	126	0	0	145	0
Stage 1	126	-	-	-	-	-
Stage 2	59	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	809	930	-	-	1450	-
Stage 1	905	-	-	-	-	-
Stage 2	969	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	807	930	-	-	1450	-
Mov Cap-2 Maneuver	807	-	-	-	-	-
Stage 1	905	-	-	-	-	-
Stage 2	966	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.4	0	0.6
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	823	1450	-
HCM Lane V/C Ratio	-	-	0.009	0.003	-
HCM Control Delay (s)	-	-	9.4	7.5	0
HCM Lane LOS	-	-	A	A	A
HCM 95th %tile Q(veh)	-	-	0	0	-

Intersection	
Int Delay, s/veh	0.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	1	6	32	418	335	7
Future Vol, veh/h	1	6	32	418	335	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	1	7	35	454	364	8

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	892	368	372	0	-	0
Stage 1	368	-	-	-	-	-
Stage 2	524	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	315	682	1198	-	-	-
Stage 1	704	-	-	-	-	-
Stage 2	598	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	303	682	1198	-	-	-
Mov Cap-2 Maneuver	303	-	-	-	-	-
Stage 1	677	-	-	-	-	-
Stage 2	598	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	11.3	0.6	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1198	-	579	-	-
HCM Lane V/C Ratio	0.029	-	0.013	-	-
HCM Control Delay (s)	8.1	0	11.3	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0.1	-	0	-	-

Intersection	
Int Delay, s/veh	4.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	14	4	0	2	81	50	24	15	25	0
Future Vol, veh/h	0	0	14	4	0	2	81	50	24	15	25	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	0	0	15	4	0	2	88	54	26	16	27	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	303	315	27	310	302	67	27	0	0	80	0	0
Stage 1	59	59	-	243	243	-	-	-	-	-	-	-
Stage 2	244	256	-	67	59	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.1	6.5	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	653	604	1054	646	614	1002	1600	-	-	1531	-	-
Stage 1	958	850	-	765	708	-	-	-	-	-	-	-
Stage 2	764	699	-	948	850	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	618	563	1054	603	572	1002	1600	-	-	1531	-	-
Mov Cap-2 Maneuver	618	563	-	603	572	-	-	-	-	-	-	-
Stage 1	902	841	-	721	667	-	-	-	-	-	-	-
Stage 2	718	658	-	924	841	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	8.5	10.2	3.9	2.8
HCM LOS	A	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1600	-	-	1054	695	1531	-	-
HCM Lane V/C Ratio	0.055	-	-	0.014	0.009	0.011	-	-
HCM Control Delay (s)	7.4	0	-	8.5	10.2	7.4	0	-
HCM Lane LOS	A	A	-	A	B	A	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0	0	0	-	-

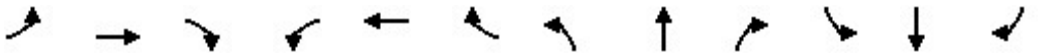
Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	5	2	12	445	314	27
Future Vol, veh/h	5	2	12	445	314	27
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	5	2	13	484	341	29

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	866	356	370	0	-	0
Stage 1	356	-	-	-	-	-
Stage 2	510	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	326	693	1200	-	-	-
Stage 1	713	-	-	-	-	-
Stage 2	607	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	321	693	1200	-	-	-
Mov Cap-2 Maneuver	321	-	-	-	-	-
Stage 1	702	-	-	-	-	-
Stage 2	607	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	14.7	0.2	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1200	-	379	-	-
HCM Lane V/C Ratio	0.011	-	0.02	-	-
HCM Control Delay (s)	8	0	14.7	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-



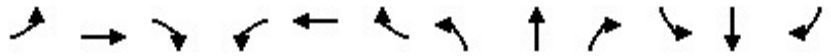
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	61	1293	188	14	939	438	267	1391	36	618	1067	62
Future Volume (veh/h)	61	1293	188	14	939	438	267	1391	36	618	1067	62
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	64	1361	198	15	988	461	281	1464	38	651	1123	65
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	20	968	140	42	764	350	278	1041	27	345	1133	66
Arrive On Green	0.01	0.31	0.33	0.02	0.32	0.32	0.15	0.29	0.29	0.19	0.33	0.33
Sat Flow, veh/h	1810	3166	457	1810	2405	1101	1810	3595	93	1810	3468	201
Grp Volume(v), veh/h	64	771	788	15	737	712	281	734	768	651	584	604
Grp Sat Flow(s),veh/h/ln	1810	1805	1818	1810	1805	1702	1810	1805	1883	1810	1805	1864
Q Serve(g_s), s	1.6	43.8	43.8	1.2	45.5	45.5	22.0	41.5	41.5	27.3	46.2	46.2
Cycle Q Clear(g_c), s	1.6	43.8	43.8	1.2	45.5	45.5	22.0	41.5	41.5	27.3	46.2	46.2
Prop In Lane	1.00		0.25	1.00		0.65	1.00		0.05	1.00		0.11
Lane Grp Cap(c), veh/h	20	552	556	42	573	540	278	523	545	345	589	609
V/C Ratio(X)	3.15	1.40	1.42	0.36	1.29	1.32	1.01	1.40	1.41	1.89	0.99	0.99
Avail Cap(c_a), veh/h	42	552	556	63	573	540	278	523	545	345	589	609
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	70.8	49.8	49.4	69.0	48.9	48.9	60.7	50.9	50.9	58.0	48.0	48.1
Incr Delay (d2), s/veh	1083.8	189.4	199.0	3.8	141.3	155.9	57.0	193.3	194.4	410.6	34.7	34.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.8	47.8	49.5	0.6	41.9	41.7	14.1	45.9	48.1	51.3	25.4	26.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1154.6	239.1	248.4	72.8	190.2	204.9	117.6	244.2	245.3	468.7	82.8	82.4
LnGrp LOS	F	F	F	E	F	F	F	F	F	F	F	F
Approach Vol, veh/h		1623			1464			1783			1839	
Approach Delay, s/veh		279.7			196.1			224.7			219.3	
Approach LOS		F			F			F			F	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.0	54.3	26.7	54.3	9.3	53.0	32.0	49.0
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	5.0	* 47	* 22	46.8	6.3	* 46	* 27	41.5
Max Q Clear Time (g_c+I1), s	3.2	46.8	24.0	48.2	4.6	47.5	29.3	43.5
Green Ext Time (p_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	230.3
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	6	1929	13	152	1332	60	63	8	360	34	0	3
Future Volume (veh/h)	6	1929	13	152	1332	60	63	8	360	34	0	3
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1700	1800	1800	1700	1800	1800	1700	1800	1800	1700	1800	1800
Adj Flow Rate, veh/h	6	2009	14	158	1388	62	66	8	375	35	0	3
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	12	2205	15	182	2669	828	59	4	477	62	0	478
Arrive On Green	0.01	0.44	0.44	0.11	0.54	0.54	0.31	0.31	0.31	0.31	0.00	0.31
Sat Flow, veh/h	1619	5035	35	1619	4914	1525	0	12	1523	0	0	1525
Grp Volume(v), veh/h	6	1307	716	158	1388	62	74	0	375	35	0	3
Grp Sat Flow(s),veh/h/ln	1619	1638	1794	1619	1638	1525	12	0	1523	0	0	1525
Q Serve(g_s), s	0.4	43.0	43.0	11.1	20.7	2.2	0.0	0.0	25.9	0.0	0.0	0.2
Cycle Q Clear(g_c), s	0.4	43.0	43.0	11.1	20.7	2.2	36.1	0.0	25.9	36.1	0.0	0.2
Prop In Lane	1.00		0.02	1.00		1.00	0.89		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	12	1435	786	182	2669	828	63	0	477	62	0	478
V/C Ratio(X)	0.49	0.91	0.91	0.87	0.52	0.07	1.18	0.00	0.79	0.56	0.00	0.01
Avail Cap(c_a), veh/h	70	1435	786	184	2669	828	63	0	477	62	0	478
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	57.0	30.3	30.3	50.3	16.8	12.5	55.5	0.0	36.1	57.6	0.0	27.2
Incr Delay (d2), s/veh	27.1	10.2	16.6	32.4	0.7	0.2	169.3	0.0	8.5	10.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	17.2	20.3	5.9	7.0	0.7	4.8	0.0	10.6	1.2	0.0	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	84.1	40.5	46.9	82.7	17.5	12.7	224.8	0.0	44.6	68.5	0.0	27.3
LnGrp LOS	F	D	D	F	B	B	F	A	D	E	A	C
Approach Vol, veh/h		2029			1608			449			38	
Approach Delay, s/veh		42.9			23.7			74.3			65.2	
Approach LOS		D			C			E			E	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	7.6	57.0		40.7	5.5	69.1		40.7
Change Period (Y+Rc), s	4.6	6.5		4.6	4.6	* 6.5		4.6
Max Green Setting (Gmax), s	3.1	50.5		10.0	5.0	* 59		36.1
Max Q Clear Time (g_c+I1), s	3.1	45.0		38.1	2.4	22.7		38.1
Green Ext Time (p_c), s	0.0	4.5		0.0	0.0	11.3		0.0

Intersection Summary	
HCM 6th Ctrl Delay	39.0
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	4993

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	25	0	56	438	0	91	5	1579	150	42	1212	15
Future Vol, veh/h	25	0	56	438	0	91	5	1579	150	42	1212	15
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	200	-	-	375	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	98	92	98	92	98	98	98	98	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	27	0	61	447	0	93	5	1611	153	43	1237	16

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2147	3105	1245	3060	3037	882	1253	0	0	1764	0	0
Stage 1	1331	1331	-	1698	1698	-	-	-	-	-	-	-
Stage 2	816	1774	-	1362	1339	-	-	-	-	-	-	-
Critical Hdwy	7.3	6.5	6.2	7.3	6.5	6.9	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.5	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	32	12	214	~ 7	13	293	562	-	-	359	-	-
Stage 1	192	226	-	~ 98	150	-	-	-	-	-	-	-
Stage 2	341	137	-	~ 185	224	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	~ 20	10	214	~ 5	11	293	562	-	-	359	-	-
Mov Cap-2 Maneuver	~ 20	10	-	~ 5	11	-	-	-	-	-	-	-
Stage 1	190	199	-	~ 97	149	-	-	-	-	-	-	-
Stage 2	231	136	-	~ 117	197	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	207	$ 34128.9	0	0.5
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	562	-	-	20	214	5	293	359	-	-
HCM Lane V/C Ratio	0.01	-	-	1.359	0.284	89.388	0.317	0.119	-	-
HCM Control Delay (s)	11.5	-	-	$ 607.1	28	$ 41214.8	22.9	16.4	-	-
HCM Lane LOS	B	-	-	F	D	F	C	C	-	-
HCM 95th %tile Q(veh)	0	-	-	3.7	1.1	58.1	1.3	0.4	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

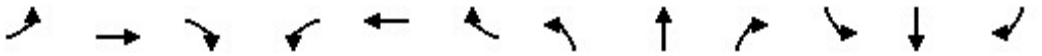
Intersection	
Int Delay, s/veh	5.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	32	209	24	72	315	0	27	0	136	0	0	153
Future Vol, veh/h	32	209	24	72	315	0	27	0	136	0	0	153
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	36	232	27	80	350	0	30	0	151	0	0	170

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	350	0	0	259	0	0	913	828	246	903	841	350
Stage 1	-	-	-	-	-	-	318	318	-	510	510	-
Stage 2	-	-	-	-	-	-	595	510	-	393	331	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1220	-	-	1317	-	-	256	309	798	260	303	698
Stage 1	-	-	-	-	-	-	698	657	-	550	541	-
Stage 2	-	-	-	-	-	-	494	541	-	636	649	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1220	-	-	1317	-	-	178	276	798	193	271	698
Mov Cap-2 Maneuver	-	-	-	-	-	-	178	276	-	193	271	-
Stage 1	-	-	-	-	-	-	674	634	-	531	500	-
Stage 2	-	-	-	-	-	-	346	500	-	498	626	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	1	1.5	16	11.8
HCM LOS			C	B

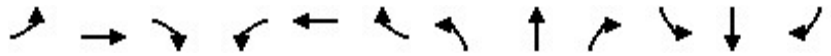
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	506	1220	-	-	1317	-	-	698
HCM Lane V/C Ratio	0.358	0.029	-	-	0.061	-	-	0.244
HCM Control Delay (s)	16	8	0	-	7.9	0	-	11.8
HCM Lane LOS	C	A	A	-	A	A	-	B
HCM 95th %tile Q(veh)	1.6	0.1	-	-	0.2	-	-	1



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	38	1	64	233	4	35	36	1644	286	36	1627	62
Future Volume (veh/h)	38	1	64	233	4	35	36	1644	286	36	1627	62
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	39	1	65	238	4	36	37	1678	292	37	1660	63
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	403	5	350	350	418	355	61	1966	877	61	1966	877
Arrive On Green	0.22	0.22	0.22	0.22	0.22	0.22	0.03	0.54	0.54	0.03	0.54	0.54
Sat Flow, veh/h	1466	24	1589	1432	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	39	0	66	238	4	36	37	1678	292	37	1660	63
Grp Sat Flow(s),veh/h/ln	1466	0	1614	1432	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	1.9	0.0	2.9	14.1	0.1	1.6	1.8	34.4	8.8	1.8	33.7	1.6
Cycle Q Clear(g_c), s	2.0	0.0	2.9	17.0	0.1	1.6	1.8	34.4	8.8	1.8	33.7	1.6
Prop In Lane	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	403	0	355	350	418	355	61	1966	877	61	1966	877
V/C Ratio(X)	0.10	0.00	0.19	0.68	0.01	0.10	0.60	0.85	0.33	0.60	0.84	0.07
Avail Cap(c_a), veh/h	468	0	427	414	502	426	478	2199	981	478	2199	981
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.3	0.0	27.6	34.5	26.5	27.1	41.5	16.9	11.0	41.5	16.7	9.4
Incr Delay (d2), s/veh	0.0	0.0	0.1	2.3	0.0	0.0	3.5	3.2	0.2	3.5	2.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.0	1.1	5.0	0.1	0.6	0.8	11.8	2.6	0.8	11.6	0.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.3	0.0	27.7	36.8	26.5	27.1	44.9	20.0	11.2	44.9	19.6	9.4
LnGrp LOS	C	A	C	D	C	C	D	C	B	D	B	A
Approach Vol, veh/h		105			278			2007			1760	
Approach Delay, s/veh		27.5			35.4			19.2			19.8	
Approach LOS		C			D			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	8.0	53.9		25.2	8.0	53.9		25.2				
Change Period (Y+Rc), s	5.0	6.5		6.0	5.0	6.5		6.0				
Max Green Setting (Gmax), s	23.0	53.0		23.0	23.0	53.0		23.0				
Max Q Clear Time (g_c+I1), s	3.8	36.4		4.9	3.8	35.7		19.0				
Green Ext Time (p_c), s	0.0	11.0		0.2	0.0	10.5		0.2				

Intersection Summary												
HCM 6th Ctrl Delay			20.8									
HCM 6th LOS			C									



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	194	242	35	75	81	280	32	1510	95	463	1382	81
Future Volume (veh/h)	194	242	35	75	81	280	32	1510	95	463	1382	81
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	200	249	36	77	84	289	33	1557	98	477	1425	84
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	285	395	57	184	462	391	50	1528	682	345	2117	944
Arrive On Green	0.24	0.24	0.24	0.24	0.24	0.24	0.03	0.42	0.42	0.19	0.59	0.59
Sat Flow, veh/h	1082	1623	235	1173	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	200	0	285	77	84	289	33	1557	98	477	1425	84
Grp Sat Flow(s),veh/h/ln	1082	0	1858	1173	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	21.6	0.0	16.5	7.6	4.2	19.9	2.2	51.0	4.5	23.0	32.5	2.7
Cycle Q Clear(g_c), s	25.8	0.0	16.5	24.1	4.2	19.9	2.2	51.0	4.5	23.0	32.5	2.7
Prop In Lane	1.00		0.13	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	285	0	452	184	462	391	50	1528	682	345	2117	944
V/C Ratio(X)	0.70	0.00	0.63	0.42	0.18	0.74	0.66	1.02	0.14	1.38	0.67	0.09
Avail Cap(c_a), veh/h	408	0	663	318	678	575	345	1528	682	345	2117	944
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	46.3	0.0	40.8	51.5	36.1	42.1	58.0	34.7	21.3	48.7	17.0	10.9
Incr Delay (d2), s/veh	1.2	0.0	0.5	0.6	0.1	1.1	10.3	27.9	0.2	188.6	1.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.9	0.0	7.6	2.3	2.0	8.0	1.1	26.2	1.6	28.0	11.9	0.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	47.5	0.0	41.3	52.1	36.2	43.2	68.3	62.7	21.5	237.4	18.2	11.0
LnGrp LOS	D	A	D	D	D	D	E	F	C	F	B	B
Approach Vol, veh/h		485			450			1688			1986	
Approach Delay, s/veh		43.9			43.4			60.4			70.5	
Approach LOS		D			D			E			E	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	27.7	58.5		34.3	8.0	78.2		34.3
Change Period (Y+Rc), s	* 4.7	7.5		5.0	* 4.7	7.5		5.0
Max Green Setting (Gmax), s	* 23	51.0		43.0	* 23	51.0		43.0
Max Q Clear Time (g_c+I1), s	25.8	53.0		27.8	4.2	34.5		26.1
Green Ext Time (p_c), s	0.0	0.0		1.4	0.0	12.9		0.9

Intersection Summary	
HCM 6th Ctrl Delay	61.3
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	764	107	0	50	339
Future Vol, veh/h	0	764	107	0	50	339
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	878	123	0	57	390

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	1001	123
Stage 1	-	-	-	-	123	-
Stage 2	-	-	-	-	878	-
Critical Hdwy	-	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	0	-	-	0	271	933
Stage 1	0	-	-	0	907	-
Stage 2	0	-	-	0	410	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	271	933
Mov Cap-2 Maneuver	-	-	-	-	271	-
Stage 1	-	-	-	-	907	-
Stage 2	-	-	-	-	410	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	12.9
HCM LOS			B

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	271	933
HCM Lane V/C Ratio	-	-	0.212	0.418
HCM Control Delay (s)	-	-	21.8	11.6
HCM Lane LOS	-	-	C	B
HCM 95th %tile Q(veh)	-	-	0.8	2.1

Intersection	
Int Delay, s/veh	2

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	32	4	33	7	1	101
Future Vol, veh/h	32	4	33	7	1	101
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	35	4	36	8	1	110

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	152	40	0	0	44	0
Stage 1	40	-	-	-	-	-
Stage 2	112	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	844	1037	-	-	1577	-
Stage 1	988	-	-	-	-	-
Stage 2	918	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	843	1037	-	-	1577	-
Mov Cap-2 Maneuver	843	-	-	-	-	-
Stage 1	988	-	-	-	-	-
Stage 2	917	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.4	0	0.1
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	861	1577	-
HCM Lane V/C Ratio	-	-	0.045	0.001	-
HCM Control Delay (s)	-	-	9.4	7.3	0
HCM Lane LOS	-	-	A	A	A
HCM 95th %tile Q(veh)	-	-	0.1	0	-

Intersection	
Int Delay, s/veh	0.6

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	6	29	7	362	352	1
Future Vol, veh/h	6	29	7	362	352	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	7	32	8	393	383	1

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	793	384	384	0	-	0
Stage 1	384	-	-	-	-	-
Stage 2	409	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	360	668	1186	-	-	-
Stage 1	693	-	-	-	-	-
Stage 2	675	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	357	668	1186	-	-	-
Mov Cap-2 Maneuver	357	-	-	-	-	-
Stage 1	687	-	-	-	-	-
Stage 2	675	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	11.6	0.2	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1186	-	581	-	-
HCM Lane V/C Ratio	0.006	-	0.065	-	-
HCM Control Delay (s)	8.1	0	11.6	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0.2	-	-

Intersection	
Int Delay, s/veh	5.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	71	23	0	14	16	10	5	3	59	0
Future Vol, veh/h	0	0	71	23	0	14	16	10	5	3	59	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	0	0	77	25	0	15	17	11	5	3	64	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	125	120	64	157	118	14	64	0	0	16	0	0
Stage 1	70	70	-	48	48	-	-	-	-	-	-	-
Stage 2	55	50	-	109	70	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.1	6.5	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	854	774	1006	814	776	1072	1551	-	-	1615	-	-
Stage 1	945	841	-	971	859	-	-	-	-	-	-	-
Stage 2	962	857	-	901	841	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	834	764	1006	744	766	1072	1551	-	-	1615	-	-
Mov Cap-2 Maneuver	834	764	-	744	766	-	-	-	-	-	-	-
Stage 1	935	839	-	960	850	-	-	-	-	-	-	-
Stage 2	938	848	-	830	839	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	8.9	9.5	3.8	0.4
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1551	-	-	1006	841	1615	-	-
HCM Lane V/C Ratio	0.011	-	-	0.077	0.048	0.002	-	-
HCM Control Delay (s)	7.3	0	-	8.9	9.5	7.2	0	-
HCM Lane LOS	A	A	-	A	A	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.2	0.1	0	-	-

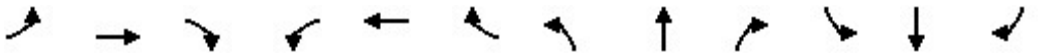
Intersection	
Int Delay, s/veh	0.7

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	26	11	2	343	375	6
Future Vol, veh/h	26	11	2	343	375	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	28	12	2	373	408	7

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	789	412	415	0	-	0
Stage 1	412	-	-	-	-	-
Stage 2	377	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	362	644	1155	-	-	-
Stage 1	673	-	-	-	-	-
Stage 2	698	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	361	644	1155	-	-	-
Mov Cap-2 Maneuver	361	-	-	-	-	-
Stage 1	672	-	-	-	-	-
Stage 2	698	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	14.6	0	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1155	-	415	-	-
HCM Lane V/C Ratio	0.002	-	0.097	-	-
HCM Control Delay (s)	8.1	0	14.6	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0.3	-	-



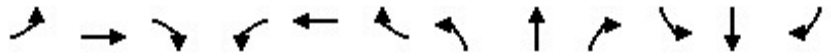
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	97	981	354	21	1201	622	206	1092	10	365	2619	45
Future Volume (veh/h)	97	981	354	21	1201	622	206	1092	10	365	2619	45
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	102	1033	373	22	1264	655	217	1149	11	384	2757	47
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	33	833	297	42	768	367	117	1342	13	181	1457	25
Arrive On Green	0.02	0.32	0.34	0.02	0.32	0.32	0.06	0.37	0.37	0.10	0.40	0.40
Sat Flow, veh/h	1810	2607	930	1810	2369	1133	1810	3664	35	1810	3632	62
Grp Volume(v), veh/h	102	711	695	22	938	981	217	566	594	384	1366	1438
Grp Sat Flow(s),veh/h/ln	1810	1805	1733	1810	1805	1696	1810	1805	1894	1810	1805	1889
Q Serve(g_s), s	2.7	45.8	45.8	1.7	46.5	46.5	9.3	41.5	41.5	14.3	57.5	57.5
Cycle Q Clear(g_c), s	2.7	45.8	45.8	1.7	46.5	46.5	9.3	41.5	41.5	14.3	57.5	57.5
Prop In Lane	1.00		0.54	1.00		0.67	1.00		0.02	1.00		0.03
Lane Grp Cap(c), veh/h	33	577	554	42	585	550	117	661	694	181	724	758
V/C Ratio(X)	3.05	1.23	1.26	0.52	1.60	1.78	1.85	0.86	0.86	2.13	1.89	1.90
Avail Cap(c_a), veh/h	54	577	554	63	585	550	117	661	694	181	724	758
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	70.3	48.8	48.0	69.2	48.4	48.4	67.0	41.9	41.9	64.5	42.9	42.9
Incr Delay (d2), s/veh	994.4	119.5	129.1	7.1	278.9	359.6	412.7	10.9	10.5	525.5	404.3	409.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.4	38.7	38.5	0.9	65.2	73.6	17.6	19.5	20.4	32.7	105.3	111.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1064.8	168.3	177.0	76.3	327.3	408.1	479.8	52.9	52.4	590.0	447.2	452.0
LnGrp LOS	F	F	F	E	F	F	F	D	D	F	F	F
Approach Vol, veh/h		1508			1941			1377			3188	
Approach Delay, s/veh		232.9			365.3			120.0			466.6	
Approach LOS		F			F			F			F	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.0	56.3	14.0	65.0	10.3	54.0	19.0	60.0
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	5.0	* 49	* 9.3	57.5	7.3	* 47	* 14	52.5
Max Q Clear Time (g_c+I1), s	3.7	48.8	11.3	59.5	5.7	48.5	16.3	43.5
Green Ext Time (p_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9

Intersection Summary	
HCM 6th Ctrl Delay	338.5
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	1106	0	276	1613	21	3	2	87	49	2	17
Future Volume (veh/h)	5	1106	0	276	1613	21	3	2	87	49	2	17
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1700	1800	1800	1700	1800	1800	1700	1800	1800	1700	1800	1800
Adj Flow Rate, veh/h	5	1164	0	291	1698	22	3	2	92	52	2	18
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	10	1601	0	325	2556	793	83	37	408	114	3	409
Arrive On Green	0.01	0.33	0.00	0.20	0.52	0.52	0.27	0.27	0.27	0.27	0.27	0.27
Sat Flow, veh/h	1619	5076	0	1619	4914	1525	30	137	1522	79	10	1525
Grp Volume(v), veh/h	5	1164	0	291	1698	22	5	0	92	54	0	18
Grp Sat Flow(s),veh/h/ln	1619	1638	0	1619	1638	1525	166	0	1522	89	0	1525
Q Serve(g_s), s	0.2	16.0	0.0	13.4	19.4	0.5	0.1	0.0	3.6	1.3	0.0	0.7
Cycle Q Clear(g_c), s	0.2	16.0	0.0	13.4	19.4	0.5	19.9	0.0	3.6	20.5	0.0	0.7
Prop In Lane	1.00		0.00	1.00		1.00	0.60		1.00	0.96		1.00
Lane Grp Cap(c), veh/h	10	1601	0	325	2556	793	120	0	408	116	0	409
V/C Ratio(X)	0.48	0.73	0.00	0.89	0.66	0.03	0.04	0.00	0.23	0.46	0.00	0.04
Avail Cap(c_a), veh/h	106	1601	0	398	2556	793	434	0	717	116	0	409
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	37.8	22.8	0.0	29.8	13.4	8.9	22.8	0.0	21.8	37.3	0.0	20.7
Incr Delay (d2), s/veh	30.2	2.9	0.0	19.3	1.4	0.1	0.1	0.0	0.3	2.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	5.7	0.0	6.3	5.7	0.2	0.1	0.0	1.3	1.1	0.0	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	68.0	25.7	0.0	49.1	14.8	9.0	22.9	0.0	22.1	40.2	0.0	20.8
LnGrp LOS	E	C	A	D	B	A	C	A	C	D	A	C
Approach Vol, veh/h		1169			2011			97			72	
Approach Delay, s/veh		25.9			19.7			22.1			35.3	
Approach LOS		C			B			C			D	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	20.1	31.4		25.7	5.1	46.4		25.7
Change Period (Y+Rc), s	4.6	6.5		4.6	4.6	* 6.5		4.6
Max Green Setting (Gmax), s	18.8	24.9		10.0	5.0	* 39		36.0
Max Q Clear Time (g_c+I1), s	15.4	18.0		22.5	2.2	21.4		21.9
Green Ext Time (p_c), s	0.3	3.8		0.0	0.0	10.3		0.2

Intersection Summary	
HCM 6th Ctrl Delay	22.3
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	11.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	5	0	29	329	0	459	71	1131	467	433	2255	29
Future Vol, veh/h	5	0	29	329	0	459	71	1131	467	433	2255	29
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	-	-	-	375	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	95	92	95	92	95	95	95	95	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	5	0	32	346	0	483	77	1191	492	456	2374	32

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	4052	5139	2390	4909	4909	842	2406	0	0	1683	0	0
Stage 1	3302	3302	-	1591	1591	-	-	-	-	-	-	-
Stage 2	750	1837	-	3318	3318	-	-	-	-	-	-	-
Critical Hdwy	7.3	6.5	6.2	7.3	6.5	6.9	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.5	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	~ 1	0	44	0	1	~ 312	202	-	-	~ 385	-	-
Stage 1	13	22	-	~ 114	169	-	-	-	-	-	-	-
Stage 2	374	128	-	~ 12	21	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	0	44	-	0	~ 312	202	-	-	~ 385	-	-
Mov Cap-2 Maneuver	-	0	-	-	0	-	-	-	-	-	-	-
Stage 1	13	0	-	~ 114	0	-	-	-	-	-	-	-
Stage 2	-	0	-	-	0	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s			1.5	21.9
HCM LOS	-	-		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	202	-	-	-	44	-	312	~ 385	-	-
HCM Lane V/C Ratio	0.382	-	-	-	0.716	-	1.549	1.184	-	-
HCM Control Delay (s)	33.4	-	-	-	197.5	-	292.5	137.5	-	-
HCM Lane LOS	D	-	-	-	F	-	F	F	-	-
HCM 95th %tile Q(veh)	1.7	-	-	-	2.7	-	27.9	18.2	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	7243.6

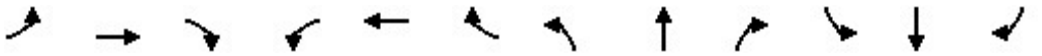
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	214	504	416	404	278	0	417	0	197	0	0	60
Future Vol, veh/h	214	504	416	404	278	0	417	0	197	0	0	60
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	225	531	438	425	293	0	439	0	207	0	0	63

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	293	0	0	969	0	0	2375	2343	750	2447	2562	293
Stage 1	-	-	-	-	-	-	1200	1200	-	1143	1143	-
Stage 2	-	-	-	-	-	-	1175	1143	-	1304	1419	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1280	-	-	719	-	-	~ 24	37	415	22	27	751
Stage 1	-	-	-	-	-	-	~ 228	261	-	246	277	-
Stage 2	-	-	-	-	-	-	~ 236	277	-	199	205	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1280	-	-	719	-	-	~ 7	6	415	3	5	751
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 7	6	-	3	5	-
Stage 1	-	-	-	-	-	-	~ 131	150	-	141	81	-
Stage 2	-	-	-	-	-	-	~ 64	81	-	57	118	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	1.6	10.1	$ 29360.3	10.2
HCM LOS			F	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	10	1280	-	-	719	-	-	751
HCM Lane V/C Ratio	64.632	0.176	-	-	0.591	-	-	0.084
HCM Control Delay (s)	$ 29360.3	8.4	0	-	17	0	-	10.2
HCM Lane LOS	F	A	A	-	C	A	-	B
HCM 95th %tile Q(veh)	82.5	0.6	-	-	3.9	-	-	0.3

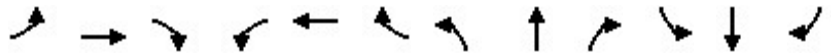
Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	36	11	83	237	2	56	31	2025	315	178	2085	123
Future Volume (veh/h)	36	11	83	237	2	56	31	2025	315	178	2085	123
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	38	12	87	249	2	59	33	2132	332	187	2195	129
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	308	35	256	227	338	286	48	2126	948	188	2405	1073
Arrive On Green	0.18	0.18	0.18	0.18	0.18	0.18	0.03	0.59	0.59	0.10	0.67	0.67
Sat Flow, veh/h	1438	199	1442	1390	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	38	0	99	249	2	59	33	2132	332	187	2195	129
Grp Sat Flow(s),veh/h/ln	1438	0	1641	1390	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	3.0	0.0	7.1	16.9	0.1	4.2	2.4	79.5	14.4	13.9	69.9	3.9
Cycle Q Clear(g_c), s	3.1	0.0	7.1	24.0	0.1	4.2	2.4	79.5	14.4	13.9	69.9	3.9
Prop In Lane	1.00		0.88	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	308	0	292	227	338	286	48	2126	948	188	2405	1073
V/C Ratio(X)	0.12	0.00	0.34	1.10	0.01	0.21	0.69	1.00	0.35	1.00	0.91	0.12
Avail Cap(c_a), veh/h	308	0	292	227	338	286	67	2126	948	188	2405	1073
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	47.0	0.0	48.6	61.0	45.7	47.4	65.2	27.8	14.4	60.5	19.2	8.2
Incr Delay (d2), s/veh	0.1	0.0	0.3	88.0	0.0	0.1	6.6	20.2	0.2	64.6	5.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	0.0	3.0	13.4	0.1	1.7	1.2	35.4	4.8	9.5	25.8	1.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	47.0	0.0	48.8	149.1	45.7	47.5	71.7	48.0	14.6	125.1	25.0	8.2
LnGrp LOS	D	A	D	F	D	D	E	F	B	F	C	A
Approach Vol, veh/h		137			310			2497			2511	
Approach Delay, s/veh		48.3			129.1			43.8			31.6	
Approach LOS		D			F			D			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	19.0	86.0		30.0	8.5	96.5		30.0				
Change Period (Y+Rc), s	5.0	6.5		6.0	5.0	6.5		6.0				
Max Green Setting (Gmax), s	14.0	79.5		24.0	5.0	88.5		24.0				
Max Q Clear Time (g_c+I1), s	15.9	81.5		9.1	4.4	71.9		26.0				
Green Ext Time (p_c), s	0.0	0.0		0.3	0.0	13.4		0.0				

Intersection Summary			
HCM 6th Ctrl Delay		43.2	
HCM 6th LOS		D	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	82	85	13	76	202	453	56	1794	94	261	1888	485
Future Volume (veh/h)	82	85	13	76	202	453	56	1794	94	261	1888	485
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	86	89	14	80	213	477	59	1888	99	275	1987	511
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	205	453	71	383	537	455	66	1681	750	241	2029	905
Arrive On Green	0.28	0.28	0.28	0.28	0.28	0.28	0.04	0.47	0.47	0.13	0.56	0.56
Sat Flow, veh/h	808	1603	252	1385	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	86	0	103	80	213	477	59	1888	99	275	1987	511
Grp Sat Flow(s),veh/h/ln	808	0	1855	1385	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	14.0	0.0	6.1	6.8	13.1	41.0	4.7	67.5	5.1	19.3	77.7	29.5
Cycle Q Clear(g_c), s	27.1	0.0	6.1	12.9	13.1	41.0	4.7	67.5	5.1	19.3	77.7	29.5
Prop In Lane	1.00		0.14	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	205	0	524	383	537	455	66	1681	750	241	2029	905
V/C Ratio(X)	0.42	0.00	0.20	0.21	0.40	1.05	0.89	1.12	0.13	1.14	0.98	0.56
Avail Cap(c_a), veh/h	205	0	524	383	537	455	66	1681	750	241	2029	905
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	52.9	0.0	39.5	44.4	42.0	52.0	69.6	38.8	22.1	62.8	30.9	20.4
Incr Delay (d2), s/veh	0.5	0.0	0.1	0.1	0.2	55.2	73.3	64.0	0.2	101.6	15.4	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.9	0.0	2.8	2.4	6.3	23.5	3.5	42.5	1.9	15.4	34.5	10.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	53.5	0.0	39.6	44.5	42.2	107.2	142.9	102.8	22.2	164.4	46.4	21.7
LnGrp LOS	D	A	D	D	D	F	F	F	C	F	D	C
Approach Vol, veh/h		189			770			2046			2773	
Approach Delay, s/veh		45.9			82.7			100.0			53.5	
Approach LOS		D			F			F			D	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	24.0	75.0		46.0	10.0	89.0		46.0
Change Period (Y+Rc), s	* 4.7	7.5		5.0	* 4.7	7.5		5.0
Max Green Setting (Gmax), s	* 19	67.5		41.0	* 5.3	81.5		41.0
Max Q Clear Time (g_c+I1), s	21.3	69.5		29.1	6.7	79.7		43.0
Green Ext Time (p_c), s	0.0	0.0		0.5	0.0	1.7		0.0

Intersection Summary	
HCM 6th Ctrl Delay	73.6
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	13.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	347	18	0	17	808
Future Vol, veh/h	0	347	18	0	17	808
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	365	19	0	18	851

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	384	19
Stage 1	-	-	-	-	19	-
Stage 2	-	-	-	-	365	-
Critical Hdwy	-	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	0	-	-	0	623	1065
Stage 1	0	-	-	0	1009	-
Stage 2	0	-	-	0	707	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	623	1065
Mov Cap-2 Maneuver	-	-	-	-	623	-
Stage 1	-	-	-	-	1009	-
Stage 2	-	-	-	-	707	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	20
HCM LOS			C

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	623	1065
HCM Lane V/C Ratio	-	-	0.029	0.799
HCM Control Delay (s)	-	-	10.9	20.2
HCM Lane LOS	-	-	B	C
HCM 95th %tile Q(veh)	-	-	0.1	8.9

Intersection	
Int Delay, s/veh	0

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	0	214	0	0	60
Future Vol, veh/h	0	0	214	0	0	60
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	225	0	0	63

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	288	225	0	0	225	0
Stage 1	225	-	-	-	-	-
Stage 2	63	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	707	819	-	-	1356	-
Stage 1	817	-	-	-	-	-
Stage 2	965	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	707	819	-	-	1356	-
Mov Cap-2 Maneuver	707	-	-	-	-	-
Stage 1	817	-	-	-	-	-
Stage 2	965	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	-	1356	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	-	-	0	0	-
HCM Lane LOS	-	-	A	A	-
HCM 95th %tile Q(veh)	-	-	-	0	-

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	0	701	682	0
Future Vol, veh/h	0	0	0	701	682	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	0	738	718	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1456	718	718	0	-	0
Stage 1	718	-	-	-	-	-
Stage 2	738	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	144	432	892	-	-	-
Stage 1	487	-	-	-	-	-
Stage 2	476	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	144	432	892	-	-	-
Mov Cap-2 Maneuver	144	-	-	-	-	-
Stage 1	487	-	-	-	-	-
Stage 2	476	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	892	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	0	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-

Intersection	
Int Delay, s/veh	2.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	14	0	0	0	81	158	0	0	52	0
Future Vol, veh/h	0	0	14	0	0	0	81	158	0	0	52	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	0	0	15	0	0	0	85	166	0	0	55	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	391	391	55	399	391	166	55	0	0	166	0	0
Stage 1	55	55	-	336	336	-	-	-	-	-	-	-
Stage 2	336	336	-	63	55	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.1	6.5	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	572	548	1018	565	548	884	1563	-	-	1424	-	-
Stage 1	962	853	-	682	645	-	-	-	-	-	-	-
Stage 2	682	645	-	953	853	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	546	515	1018	531	515	884	1563	-	-	1424	-	-
Mov Cap-2 Maneuver	546	515	-	531	515	-	-	-	-	-	-	-
Stage 1	904	853	-	641	606	-	-	-	-	-	-	-
Stage 2	641	606	-	939	853	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	8.6	0	2.5	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1563	-	-	1018	-	1424	-	-
HCM Lane V/C Ratio	0.055	-	-	0.014	-	-	-	-
HCM Control Delay (s)	7.4	0	-	8.6	0	0	-	-
HCM Lane LOS	A	A	-	A	A	A	-	-
HCM 95th %tile Q(veh)	0.2	-	-	0	-	0	-	-

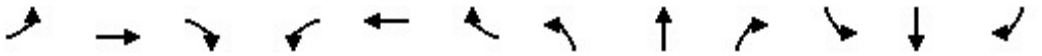
Intersection	
Int Delay, s/veh	0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	0	701	682	0
Future Vol, veh/h	0	0	0	701	682	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	0	738	718	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1456	718	718	0	-	0
Stage 1	718	-	-	-	-	-
Stage 2	738	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	144	432	892	-	-	-
Stage 1	487	-	-	-	-	-
Stage 2	476	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	144	432	892	-	-	-
Mov Cap-2 Maneuver	144	-	-	-	-	-
Stage 1	487	-	-	-	-	-
Stage 2	476	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	892	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	0	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-



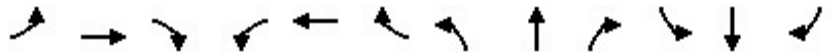
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	1050	165	11	685	344	402	2621	81	635	1455	91
Future Volume (veh/h)	50	1050	165	11	685	344	402	2621	81	635	1455	91
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	53	1105	174	12	721	362	423	2759	85	668	1532	96
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	18	755	119	51	606	304	180	1402	43	267	1521	95
Arrive On Green	0.01	0.24	0.26	0.03	0.26	0.26	0.10	0.39	0.39	0.15	0.44	0.44
Sat Flow, veh/h	1810	3126	491	1810	2328	1167	1810	3576	110	1810	3451	215
Grp Volume(v), veh/h	53	637	642	12	559	524	423	1386	1458	668	798	830
Grp Sat Flow(s),veh/h/ln	1810	1805	1812	1810	1805	1690	1810	1805	1880	1810	1805	1861
Q Serve(g_s), s	1.4	34.8	34.8	0.9	37.5	37.5	14.3	56.5	56.5	21.3	63.5	63.5
Cycle Q Clear(g_c), s	1.4	34.8	34.8	0.9	37.5	37.5	14.3	56.5	56.5	21.3	63.5	63.5
Prop In Lane	1.00		0.27	1.00		0.69	1.00		0.06	1.00		0.12
Lane Grp Cap(c), veh/h	18	436	438	51	470	440	180	708	737	267	795	820
V/C Ratio(X)	3.01	1.46	1.47	0.23	1.19	1.19	2.36	1.96	1.98	2.50	1.00	1.01
Avail Cap(c_a), veh/h	29	436	438	63	470	440	180	708	737	267	795	820
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	71.4	54.7	54.2	68.5	53.3	53.3	64.9	43.8	43.8	61.4	40.3	40.3
Incr Delay (d2), s/veh	1039.4	219.8	222.7	1.7	105.0	106.8	627.0	436.1	445.1	684.9	32.6	34.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.7	41.8	42.2	0.4	30.0	28.3	37.7	109.4	115.8	60.3	33.4	34.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1110.8	274.4	276.9	70.2	158.3	160.1	691.9	479.9	488.9	746.3	72.9	74.8
LnGrp LOS	F	F	F	E	F	F	F	F	F	F	F	F
Approach Vol, veh/h		1332			1095			3267			2296	
Approach Delay, s/veh		308.9			158.2			511.4			269.5	
Approach LOS		F			F			F			F	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.8	45.3	19.0	71.0	9.1	45.0	26.0	64.0
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	5.0	* 38	* 14	63.5	5.3	* 38	* 21	56.5
Max Q Clear Time (g_c+I1), s	2.9	37.8	16.3	65.5	4.4	39.5	23.3	58.5
Green Ext Time (p_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	359.7
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	9	1848	10	138	1255	55	25	10	296	32	1	3
Future Volume (veh/h)	9	1848	10	138	1255	55	25	10	296	32	1	3
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1700	1800	1800	1700	1800	1800	1700	1800	1800	1700	1800	1800
Adj Flow Rate, veh/h	9	1945	11	145	1321	58	26	11	312	34	1	3
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	18	2235	13	169	2639	819	54	13	480	62	1	481
Arrive On Green	0.01	0.44	0.44	0.10	0.54	0.54	0.32	0.32	0.32	0.32	0.32	0.32
Sat Flow, veh/h	1619	5042	29	1619	4914	1525	0	42	1523	0	3	1525
Grp Volume(v), veh/h	9	1264	692	145	1321	58	37	0	312	35	0	3
Grp Sat Flow(s),veh/h/ln	1619	1638	1795	1619	1638	1525	43	0	1523	3	0	1525
Q Serve(g_s), s	0.6	40.0	40.1	10.1	19.5	2.1	0.0	0.0	20.2	0.0	0.0	0.2
Cycle Q Clear(g_c), s	0.6	40.0	40.1	10.1	19.5	2.1	36.1	0.0	20.2	36.1	0.0	0.2
Prop In Lane	1.00		0.02	1.00		1.00	0.70		1.00	0.97		1.00
Lane Grp Cap(c), veh/h	18	1452	796	169	2639	819	67	0	480	63	0	481
V/C Ratio(X)	0.51	0.87	0.87	0.86	0.50	0.07	0.55	0.00	0.65	0.56	0.00	0.01
Avail Cap(c_a), veh/h	71	1452	796	181	2639	819	67	0	480	63	0	481
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	56.4	28.9	28.9	50.4	16.8	12.8	44.5	0.0	33.8	56.3	0.0	26.9
Incr Delay (d2), s/veh	21.1	7.4	12.5	29.8	0.7	0.2	9.4	0.0	3.1	10.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	15.6	18.2	5.3	6.6	0.7	1.2	0.0	7.8	1.2	0.0	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	77.5	36.3	41.4	80.2	17.5	12.9	53.9	0.0	36.9	66.6	0.0	26.9
LnGrp LOS	E	D	D	F	B	B	D	A	D	E	A	C
Approach Vol, veh/h		1965			1524			349			38	
Approach Delay, s/veh		38.3			23.3			38.7			63.5	
Approach LOS		D			C			D			E	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	16.6	57.3		40.7	5.8	68.0		40.7
Change Period (Y+Rc), s	4.6	6.5		4.6	4.6	* 6.5		4.6
Max Green Setting (Gmax), s	12.0	50.8		10.0	5.0	* 59		36.1
Max Q Clear Time (g_c+I1), s	12.1	42.1		38.1	2.6	21.5		38.1
Green Ext Time (p_c), s	0.0	6.6		0.0	0.0	10.6		0.0

Intersection Summary	
HCM 6th Ctrl Delay	32.7
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	111

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	25	0	56	443	0	397	37	2742	180	418	1136	15
Future Vol, veh/h	25	0	56	443	0	397	37	2742	180	418	1136	15
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	200	-	-	375	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	95	92	95	92	95	95	95	95	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	27	0	61	466	0	418	40	2886	189	440	1196	16

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	3607	5239	1204	5176	5153	1538	1212	0	0	3075	0	0
Stage 1	2084	2084	-	3061	3061	-	-	-	-	-	-	-
Stage 2	1523	3155	-	2115	2092	-	-	-	-	-	-	-
Critical Hdwy	7.3	6.5	6.2	7.3	6.5	6.9	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.5	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	~ 2	0	227	0	0	~ 107	583	-	-	~ 109	-	-
Stage 1	70	96	-	~ 13	29	-	-	-	-	-	-	-
Stage 2	126	26	-	~ 67	95	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	0	227	-	0	~ 107	583	-	-	~ 109	-	-
Mov Cap-2 Maneuver	-	0	-	-	0	-	-	-	-	-	-	-
Stage 1	65	0	-	~ 12	27	-	-	-	-	-	-	-
Stage 2	-	24	-	-	0	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s			0.2	$ 385.4
HCM LOS	-	-		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	583	-	-	-	227	-	107	~ 109	-	-
HCM Lane V/C Ratio	0.069	-	-	-	0.268	-	3.906	4.037	-	-
HCM Control Delay (s)	11.6	-	-	-	26.6	$ 1389.9	$ 1447.1		-	-
HCM Lane LOS	B	-	-	-	D	-	F	F	-	-
HCM 95th %tile Q(veh)	0.2	-	-	-	1	-	42.5	45	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	1224.3

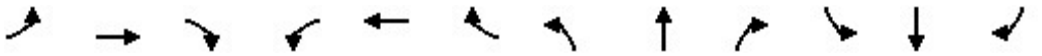
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	34	382	364	294	329	0	337	0	225	0	0	162
Future Vol, veh/h	34	382	364	294	329	0	337	0	225	0	0	162
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	36	402	383	309	346	0	355	0	237	0	0	171

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	346	0	0	785	0	0	1716	1630	594	1748	1821	346
Stage 1	-	-	-	-	-	-	666	666	-	964	964	-
Stage 2	-	-	-	-	-	-	1050	964	-	784	857	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1224	-	-	843	-	-	~ 72	103	509	68	78	702
Stage 1	-	-	-	-	-	-	452	460	-	309	336	-
Stage 2	-	-	-	-	-	-	~ 277	336	-	389	377	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1224	-	-	843	-	-	~ 34	53	509	23	40	702
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 34	53	-	23	40	-
Stage 1	-	-	-	-	-	-	427	434	-	292	183	-
Stage 2	-	-	-	-	-	-	~ 115	183	-	196	356	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.4	5.5	$ 4623.7	11.8
HCM LOS			F	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	54	1224	-	-	843	-	-	702
HCM Lane V/C Ratio	10.955	0.029	-	-	0.367	-	-	0.243
HCM Control Delay (s)	$ 4623.7	8	0	-	11.7	0	-	11.8
HCM Lane LOS	F	A	A	-	B	A	-	B
HCM 95th %tile Q(veh)	70.4	0.1	-	-	1.7	-	-	0.9

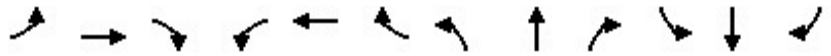
Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	79	5	60	261	21	480	36	2344	231	176	1563	72
Future Volume (veh/h)	79	5	60	261	21	480	36	2344	231	176	1563	72
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	83	5	63	275	22	505	38	2467	243	185	1645	76
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	222	23	291	275	367	311	49	2178	972	150	2379	1061
Arrive On Green	0.19	0.19	0.19	0.19	0.19	0.19	0.03	0.60	0.60	0.08	0.66	0.66
Sat Flow, veh/h	939	120	1509	1429	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	83	0	68	275	22	505	38	2467	243	185	1645	76
Grp Sat Flow(s),veh/h/ln	939	0	1628	1429	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	11.5	0.0	5.1	22.9	1.4	28.0	3.0	87.5	10.2	12.0	41.4	2.4
Cycle Q Clear(g_c), s	12.8	0.0	5.1	28.0	1.4	28.0	3.0	87.5	10.2	12.0	41.4	2.4
Prop In Lane	1.00		0.93	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	222	0	314	275	367	311	49	2178	972	150	2379	1061
V/C Ratio(X)	0.37	0.00	0.22	1.00	0.06	1.62	0.77	1.13	0.25	1.24	0.69	0.07
Avail Cap(c_a), veh/h	222	0	314	275	367	311	100	2178	972	150	2379	1061
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	53.0	0.0	49.3	63.1	47.8	58.5	70.1	28.8	13.4	66.5	15.5	8.8
Incr Delay (d2), s/veh	0.4	0.0	0.1	53.8	0.0	295.2	9.1	66.0	0.1	150.4	0.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.8	0.0	2.1	14.4	0.7	36.9	1.5	52.8	3.5	11.6	15.0	0.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	53.4	0.0	49.4	116.9	47.8	353.7	79.2	94.7	13.6	216.9	16.4	8.9
LnGrp LOS	D	A	D	F	D	F	E	F	B	F	B	A
Approach Vol, veh/h		151			802			2748			1906	
Approach Delay, s/veh		51.6			264.1			87.3			35.5	
Approach LOS		D			F			F			D	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	17.0	94.0		34.0	8.9	102.1		34.0				
Change Period (Y+Rc), s	5.0	6.5		6.0	5.0	6.5		6.0				
Max Green Setting (Gmax), s	12.0	87.5		28.0	8.0	91.5		28.0				
Max Q Clear Time (g_c+I1), s	14.0	89.5		14.8	5.0	43.4		30.0				
Green Ext Time (p_c), s	0.0	0.0		0.4	0.0	17.2		0.0				

Intersection Summary			
HCM 6th Ctrl Delay		94.0	
HCM 6th LOS		F	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	552	329	79	253	111	461	42	1504	97	361	1490	89
Future Volume (veh/h)	552	329	79	253	111	461	42	1504	97	361	1490	89
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	581	346	83	266	117	485	44	1583	102	380	1568	94
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	346	562	135	245	721	611	57	1282	572	266	1699	758
Arrive On Green	0.38	0.38	0.38	0.38	0.38	0.38	0.03	0.36	0.36	0.15	0.47	0.47
Sat Flow, veh/h	876	1481	355	1028	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	581	0	429	266	117	485	44	1583	102	380	1568	94
Grp Sat Flow(s),veh/h/ln	876	0	1836	1028	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	49.1	0.0	27.4	27.6	5.9	38.8	3.5	51.5	6.3	21.3	58.9	4.8
Cycle Q Clear(g_c), s	55.0	0.0	27.4	55.0	5.9	38.8	3.5	51.5	6.3	21.3	58.9	4.8
Prop In Lane	1.00		0.19	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	346	0	696	245	721	611	57	1282	572	266	1699	758
V/C Ratio(X)	1.68	0.00	0.62	1.09	0.16	0.79	0.77	1.23	0.18	1.43	0.92	0.12
Avail Cap(c_a), veh/h	346	0	696	245	721	611	66	1282	572	266	1699	758
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	51.5	0.0	36.4	61.5	29.8	40.0	69.7	46.8	32.2	61.8	35.9	21.6
Incr Delay (d2), s/veh	317.2	0.0	1.2	82.1	0.0	6.6	35.0	112.5	0.3	213.7	9.2	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	43.5	0.0	12.6	14.8	2.8	16.5	2.1	41.9	2.4	25.2	26.2	1.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	368.7	0.0	37.7	143.6	29.8	46.6	104.7	159.3	32.5	275.5	45.1	21.7
LnGrp LOS	F	A	D	F	C	D	F	F	C	F	D	C
Approach Vol, veh/h		1010			868			1729			2042	
Approach Delay, s/veh		228.1			74.1			150.4			86.9	
Approach LOS		F			E			F			F	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	86.0	59.0		60.0	9.3	75.7		60.0
Change Period (Y+Rc), s	* 4.7	7.5		5.0	* 4.7	7.5		5.0
Max Green Setting (Gmax), s	* 21	51.5		55.0	* 5.3	67.5		55.0
Max Q Clear Time (g_c+I1), s	23.3	53.5		57.0	5.5	60.9		57.0
Green Ext Time (p_c), s	0.0	0.0		0.0	0.0	5.9		0.0

Intersection Summary	
HCM 6th Ctrl Delay	129.6
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	8.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	813	295	0	64	518
Future Vol, veh/h	0	813	295	0	64	518
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	856	311	0	67	545

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	1167	311
Stage 1	-	-	-	-	311	-
Stage 2	-	-	-	-	856	-
Critical Hdwy	-	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	0	-	-	0	216	734
Stage 1	0	-	-	0	748	-
Stage 2	0	-	-	0	420	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	216	734
Mov Cap-2 Maneuver	-	-	-	-	216	-
Stage 1	-	-	-	-	748	-
Stage 2	-	-	-	-	420	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	23.4
HCM LOS			C

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	216	734
HCM Lane V/C Ratio	-	-	0.312	0.743
HCM Control Delay (s)	-	-	29	22.7
HCM Lane LOS	-	-	D	C
HCM 95th %tile Q(veh)	-	-	1.3	6.7

Intersection	
Int Delay, s/veh	0

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	0	34	0	0	162
Future Vol, veh/h	0	0	34	0	0	162
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	36	0	0	171

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	207	36	0	0	36	0
Stage 1	36	-	-	-	-	-
Stage 2	171	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	786	1042	-	-	1588	-
Stage 1	992	-	-	-	-	-
Stage 2	864	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	786	1042	-	-	1588	-
Mov Cap-2 Maneuver	786	-	-	-	-	-
Stage 1	992	-	-	-	-	-
Stage 2	864	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	-	1588	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	-	-	0	0	-
HCM Lane LOS	-	-	A	A	-
HCM 95th %tile Q(veh)	-	-	-	0	-

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	0	607	623	0
Future Vol, veh/h	0	0	0	607	623	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	0	639	656	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1295	656	656	0	-	0
Stage 1	656	-	-	-	-	-
Stage 2	639	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	181	469	941	-	-	-
Stage 1	520	-	-	-	-	-
Stage 2	530	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	181	469	941	-	-	-
Mov Cap-2 Maneuver	181	-	-	-	-	-
Stage 1	520	-	-	-	-	-
Stage 2	530	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	941	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	0	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-

Intersection	
Int Delay, s/veh	3.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	71	0	0	0	16	24	0	0	114	0
Future Vol, veh/h	0	0	71	0	0	0	16	24	0	0	114	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	0	0	75	0	0	0	17	25	0	0	120	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	179	179	120	217	179	25	120	0	0	25	0	0
Stage 1	120	120	-	59	59	-	-	-	-	-	-	-
Stage 2	59	59	-	158	120	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.1	6.5	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	787	718	937	744	718	1057	1480	-	-	1603	-	-
Stage 1	889	800	-	958	850	-	-	-	-	-	-	-
Stage 2	958	850	-	849	800	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	780	709	937	679	709	1057	1480	-	-	1603	-	-
Mov Cap-2 Maneuver	780	709	-	679	709	-	-	-	-	-	-	-
Stage 1	878	800	-	947	840	-	-	-	-	-	-	-
Stage 2	947	840	-	781	800	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	9.2	0	3	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1480	-	-	937	-	1603	-	-
HCM Lane V/C Ratio	0.011	-	-	0.08	-	-	-	-
HCM Control Delay (s)	7.5	0	-	9.2	0	0	-	-
HCM Lane LOS	A	A	-	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	-	0.3	-	0	-	-

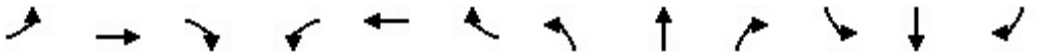
Intersection	
Int Delay, s/veh	0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	0	607	623	0
Future Vol, veh/h	0	0	0	607	623	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	0	0	639	656	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1295	656	656	0	-	0
Stage 1	656	-	-	-	-	-
Stage 2	639	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	181	469	941	-	-	-
Stage 1	520	-	-	-	-	-
Stage 2	530	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	181	469	941	-	-	-
Mov Cap-2 Maneuver	181	-	-	-	-	-
Stage 1	520	-	-	-	-	-
Stage 2	530	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	941	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	0	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-



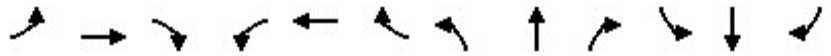
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	97	984	357	21	1202	625	207	1096	10	378	2635	45
Future Volume (veh/h)	97	984	357	21	1202	625	207	1096	10	378	2635	45
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	102	1036	376	22	1265	658	218	1154	11	398	2774	47
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	33	832	298	42	768	368	117	1342	13	181	1457	25
Arrive On Green	0.02	0.32	0.34	0.02	0.32	0.32	0.06	0.37	0.37	0.10	0.40	0.40
Sat Flow, veh/h	1810	2604	933	1810	2366	1135	1810	3664	35	1810	3633	61
Grp Volume(v), veh/h	102	714	698	22	940	983	218	568	597	398	1374	1447
Grp Sat Flow(s),veh/h/ln	1810	1805	1732	1810	1805	1696	1810	1805	1894	1810	1805	1889
Q Serve(g_s), s	2.7	45.8	45.8	1.7	46.5	46.5	9.3	41.8	41.8	14.3	57.5	57.5
Cycle Q Clear(g_c), s	2.7	45.8	45.8	1.7	46.5	46.5	9.3	41.8	41.8	14.3	57.5	57.5
Prop In Lane	1.00		0.54	1.00		0.67	1.00		0.02	1.00		0.03
Lane Grp Cap(c), veh/h	33	577	553	42	585	550	117	661	694	181	724	758
V/C Ratio(X)	3.05	1.24	1.26	0.52	1.60	1.79	1.86	0.86	0.86	2.20	1.90	1.91
Avail Cap(c_a), veh/h	54	577	553	63	585	550	117	661	694	181	724	758
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	70.3	48.8	48.0	69.2	48.4	48.4	67.0	42.0	42.0	64.5	42.9	42.9
Incr Delay (d2), s/veh	994.4	121.6	131.5	7.1	280.0	361.8	416.4	11.3	10.8	559.9	409.4	414.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.4	39.0	38.8	0.9	65.4	73.9	17.7	19.7	20.6	34.5	106.3	112.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1064.8	170.4	179.5	76.3	328.5	410.3	483.5	53.3	52.8	624.4	452.3	457.1
LnGrp LOS	F	F	F	E	F	F	F	D	D	F	F	F
Approach Vol, veh/h		1514			1945			1383			3219	
Approach Delay, s/veh		234.8			367.0			120.9			475.7	
Approach LOS		F			F			F			F	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.0	56.3	14.0	65.0	10.3	54.0	19.0	60.0
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	5.0	* 49	* 9.3	57.5	7.3	* 47	* 14	52.5
Max Q Clear Time (g_c+I1), s	3.7	48.8	11.3	59.5	5.7	48.5	16.3	43.8
Green Ext Time (p_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8

Intersection Summary	
HCM 6th Ctrl Delay	343.4
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	1106	15	313	1613	21	6	2	93	49	2	17
Future Volume (veh/h)	5	1106	15	313	1613	21	6	2	93	49	2	17
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1700	1800	1800	1700	1800	1800	1700	1800	1800	1700	1800	1800
Adj Flow Rate, veh/h	5	1164	16	329	1698	22	6	2	98	52	2	18
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	10	1535	21	357	2561	795	88	18	424	108	3	425
Arrive On Green	0.01	0.31	0.31	0.22	0.52	0.52	0.28	0.28	0.28	0.28	0.28	0.28
Sat Flow, veh/h	1619	4995	69	1619	4914	1525	36	65	1522	76	9	1525
Grp Volume(v), veh/h	5	763	417	329	1698	22	8	0	98	54	0	18
Grp Sat Flow(s),veh/h/ln	1619	1638	1788	1619	1638	1525	101	0	1522	85	0	1525
Q Serve(g_s), s	0.2	17.0	17.1	16.1	20.5	0.6	0.1	0.0	4.0	1.3	0.0	0.7
Cycle Q Clear(g_c), s	0.2	17.0	17.1	16.1	20.5	0.6	22.0	0.0	4.0	22.6	0.0	0.7
Prop In Lane	1.00		0.04	1.00		1.00	0.75		1.00	0.96		1.00
Lane Grp Cap(c), veh/h	10	1007	549	357	2561	795	106	0	424	111	0	425
V/C Ratio(X)	0.48	0.76	0.76	0.92	0.66	0.03	0.08	0.00	0.23	0.49	0.00	0.04
Avail Cap(c_a), veh/h	100	1007	549	376	2561	795	354	0	676	111	0	425
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	40.1	25.3	25.3	30.9	14.2	9.4	24.0	0.0	22.5	39.5	0.0	21.3
Incr Delay (d2), s/veh	30.5	5.3	9.5	27.2	1.4	0.1	0.3	0.0	0.3	3.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	6.5	7.7	8.3	6.2	0.2	0.1	0.0	1.4	1.2	0.0	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	70.6	30.7	34.8	58.1	15.6	9.5	24.3	0.0	22.8	42.8	0.0	21.4
LnGrp LOS	E	C	C	E	B	A	C	A	C	D	A	C
Approach Vol, veh/h		1185			2049			106			72	
Approach Delay, s/veh		32.3			22.3			22.9			37.4	
Approach LOS		C			C			C			D	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	32.6	31.4		27.9	5.1	48.9		27.9
Change Period (Y+Rc), s	4.6	6.5		4.6	4.6	* 6.5		4.6
Max Green Setting (Gmax), s	18.8	24.9		10.0	5.0	* 39		36.0
Max Q Clear Time (g_c+I1), s	18.1	19.1		24.6	2.2	22.5		24.0
Green Ext Time (p_c), s	0.1	3.2		0.0	0.0	9.9		0.2

Intersection Summary	
HCM 6th Ctrl Delay	26.1
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	17.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	5	0	29	343	0	463	71	1131	553	451	2255	29
Future Vol, veh/h	5	0	29	343	0	463	71	1131	553	451	2255	29
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	200	-	-	375	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	95	92	95	92	95	95	95	95	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	5	0	32	361	0	487	77	1191	582	475	2374	32

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	4090	5267	2390	4992	4992	887	2406	0	0	1773	0	0
Stage 1	3340	3340	-	1636	1636	-	-	-	-	-	-	-
Stage 2	750	1927	-	3356	3356	-	-	-	-	-	-	-
Critical Hdwy	7.3	6.5	6.2	7.3	6.5	6.9	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.5	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	~ 1	0	44	0	1	~ 291	202	-	-	~ 356	-	-
Stage 1	12	21	-	~ 107	160	-	-	-	-	-	-	-
Stage 2	374	115	-	~ 12	20	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	0	44	-	0	~ 291	202	-	-	~ 356	-	-
Mov Cap-2 Maneuver	-	0	-	-	0	-	-	-	-	-	-	-
Stage 1	7	0	-	~ 66	99	-	-	-	-	-	-	-
Stage 2	-	71	-	-	0	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s			1.4	32.7
HCM LOS	-	-		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	202	-	-	-	44	-	291	~ 356	-	-
HCM Lane V/C Ratio	0.382	-	-	-	0.716	-	1.675	1.334	-	-
HCM Control Delay (s)	33.4	-	-	-	197.5	-$	349.1	198.3	-	-
HCM Lane LOS	D	-	-	-	F	-	F	F	-	-
HCM 95th %tile Q(veh)	1.7	-	-	-	2.7	-	30.5	22.7	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	11566.8

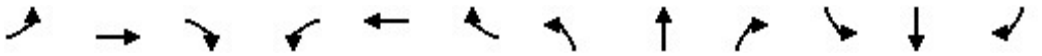
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	274	549	416	404	286	0	417	0	197	0	0	71
Future Vol, veh/h	274	549	416	404	286	0	417	0	197	0	0	71
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	288	578	438	425	301	0	439	0	207	0	0	75

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	301	0	0	1016	0	0	2562	2524	797	2628	2743	301
Stage 1	-	-	-	-	-	-	1373	1373	-	1151	1151	-
Stage 2	-	-	-	-	-	-	1189	1151	-	1477	1592	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1272	-	-	691	-	-	~ 18	28	390	16	20	743
Stage 1	-	-	-	-	-	-	~ 182	215	-	243	275	-
Stage 2	-	-	-	-	-	-	~ 231	275	-	159	169	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1272	-	-	691	-	-	~ 4	3	390	2	2	743
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 4	3	-	2	2	-
Stage 1	-	-	-	-	-	-	~ 76	89	-	101	72	-
Stage 2	-	-	-	-	-	-	~ 54	72	-	31	70	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	1.9	10.6	$ 49226.9	10.4
HCM LOS			F	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	6	1272	-	-	691	-	-	743
HCM Lane V/C Ratio	107.719	0.227	-	-	0.615	-	-	0.101
HCM Control Delay (s)	$ 49226.9	8.7	0	-	18.2	0	-	10.4
HCM Lane LOS	F	A	A	-	C	A	-	B
HCM 95th %tile Q(veh)	83	0.9	-	-	4.3	-	-	0.3

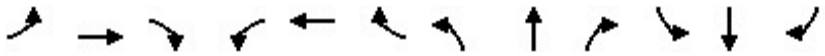
Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	36	11	83	237	2	56	31	2111	315	178	2099	123
Future Volume (veh/h)	36	11	83	237	2	56	31	2111	315	178	2099	123
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	38	12	87	249	2	59	33	2222	332	187	2209	129
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	308	35	256	227	338	286	48	2126	948	188	2405	1073
Arrive On Green	0.18	0.18	0.18	0.18	0.18	0.18	0.03	0.59	0.59	0.10	0.67	0.67
Sat Flow, veh/h	1438	199	1442	1390	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	38	0	99	249	2	59	33	2222	332	187	2209	129
Grp Sat Flow(s),veh/h/ln	1438	0	1641	1390	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	3.0	0.0	7.1	16.9	0.1	4.2	2.4	79.5	14.4	13.9	71.0	3.9
Cycle Q Clear(g_c), s	3.1	0.0	7.1	24.0	0.1	4.2	2.4	79.5	14.4	13.9	71.0	3.9
Prop In Lane	1.00		0.88	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	308	0	292	227	338	286	48	2126	948	188	2405	1073
V/C Ratio(X)	0.12	0.00	0.34	1.10	0.01	0.21	0.69	1.05	0.35	1.00	0.92	0.12
Avail Cap(c_a), veh/h	308	0	292	227	338	286	67	2126	948	188	2405	1073
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	47.0	0.0	48.6	61.0	45.7	47.4	65.2	27.8	14.4	60.5	19.4	8.2
Incr Delay (d2), s/veh	0.1	0.0	0.3	88.0	0.0	0.1	6.6	32.6	0.2	64.6	6.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	0.0	3.0	13.4	0.1	1.7	1.2	39.1	4.8	9.5	26.3	1.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	47.0	0.0	48.8	149.1	45.7	47.5	71.7	60.3	14.6	125.1	25.6	8.2
LnGrp LOS	D	A	D	F	D	D	E	F	B	F	C	A
Approach Vol, veh/h		137			310			2587			2525	
Approach Delay, s/veh		48.3			129.1			54.6			32.1	
Approach LOS		D			F			D			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	19.0	86.0		30.0	8.5	96.5		30.0				
Change Period (Y+Rc), s	5.0	6.5		6.0	5.0	6.5		6.0				
Max Green Setting (Gmax), s	14.0	79.5		24.0	5.0	88.5		24.0				
Max Q Clear Time (g_c+I1), s	15.9	81.5		9.1	4.4	73.0		26.0				
Green Ext Time (p_c), s	0.0	0.0		0.3	0.0	12.7		0.0				

Intersection Summary			
HCM 6th Ctrl Delay		48.4	
HCM 6th LOS		D	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	82	85	13	76	202	499	56	1834	94	269	1894	485
Future Volume (veh/h)	82	85	13	76	202	499	56	1834	94	269	1894	485
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	86	89	14	80	213	525	59	1931	99	283	1994	511
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	198	453	71	383	537	455	66	1681	750	241	2029	905
Arrive On Green	0.28	0.28	0.28	0.28	0.28	0.28	0.04	0.47	0.47	0.13	0.56	0.56
Sat Flow, veh/h	772	1603	252	1385	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	86	0	103	80	213	525	59	1931	99	283	1994	511
Grp Sat Flow(s),veh/h/ln	772	0	1855	1385	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	14.7	0.0	6.1	6.8	13.1	41.0	4.7	67.5	5.1	19.3	78.4	29.5
Cycle Q Clear(g_c), s	27.8	0.0	6.1	12.9	13.1	41.0	4.7	67.5	5.1	19.3	78.4	29.5
Prop In Lane	1.00		0.14	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	198	0	524	383	537	455	66	1681	750	241	2029	905
V/C Ratio(X)	0.43	0.00	0.20	0.21	0.40	1.15	0.89	1.15	0.13	1.17	0.98	0.56
Avail Cap(c_a), veh/h	198	0	524	383	537	455	66	1681	750	241	2029	905
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	53.2	0.0	39.5	44.4	42.0	52.0	69.6	38.8	22.1	62.8	31.1	20.4
Incr Delay (d2), s/veh	0.6	0.0	0.1	0.1	0.2	91.4	73.3	74.5	0.2	113.5	16.1	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.9	0.0	2.8	2.4	6.3	28.1	3.5	44.9	1.9	16.2	34.9	10.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	53.8	0.0	39.6	44.5	42.2	143.4	142.9	113.3	22.2	176.4	47.2	21.7
LnGrp LOS	D	A	D	D	D	F	F	F	C	F	D	C
Approach Vol, veh/h		189			818			2089			2788	
Approach Delay, s/veh		46.0			107.3			109.8			55.6	
Approach LOS		D			F			F			E	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	24.0	75.0		46.0	10.0	89.0		46.0
Change Period (Y+Rc), s	* 4.7	7.5		5.0	* 4.7	7.5		5.0
Max Green Setting (Gmax), s	* 19	67.5		41.0	* 5.3	81.5		41.0
Max Q Clear Time (g_c+I1), s	21.3	69.5		29.8	6.7	80.4		43.0
Green Ext Time (p_c), s	0.0	0.0		0.5	0.0	1.1		0.0

Intersection Summary	
HCM 6th Ctrl Delay	81.7
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	16.3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	355	37	0	17	835
Future Vol, veh/h	0	355	37	0	17	835
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	374	39	0	18	879

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	413	39
Stage 1	-	-	-	-	39	-
Stage 2	-	-	-	-	374	-
Critical Hdwy	-	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	0	-	-	0	599	1038
Stage 1	0	-	-	0	989	-
Stage 2	0	-	-	0	700	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	599	1038
Mov Cap-2 Maneuver	-	-	-	-	599	-
Stage 1	-	-	-	-	989	-
Stage 2	-	-	-	-	700	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	23.8
HCM LOS			C

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	599	1038
HCM Lane V/C Ratio	-	-	0.03	0.847
HCM Control Delay (s)	-	-	11.2	24.1
HCM Lane LOS	-	-	B	C
HCM 95th %tile Q(veh)	-	-	0.1	10.8

Intersection	
Int Delay, s/veh	0.3

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	6	1	216	35	4	75
Future Vol, veh/h	6	1	216	35	4	75
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	6	1	227	37	4	79

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	333	246	0	0	264	0
Stage 1	246	-	-	-	-	-
Stage 2	87	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	666	798	-	-	1312	-
Stage 1	800	-	-	-	-	-
Stage 2	941	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	664	798	-	-	1312	-
Mov Cap-2 Maneuver	664	-	-	-	-	-
Stage 1	800	-	-	-	-	-
Stage 2	938	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	10.4	0	0.4
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	680	1312	-
HCM Lane V/C Ratio	-	-	0.011	0.003	-
HCM Control Delay (s)	-	-	10.4	7.8	0
HCM Lane LOS	-	-	B	A	A
HCM 95th %tile Q(veh)	-	-	0	0	-

Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	1	6	32	706	709	7
Future Vol, veh/h	1	6	32	706	709	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	1	6	34	743	746	7

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1561	750	753	0	-	0
Stage 1	750	-	-	-	-	-
Stage 2	811	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	125	415	866	-	-	-
Stage 1	470	-	-	-	-	-
Stage 2	440	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	117	415	866	-	-	-
Mov Cap-2 Maneuver	117	-	-	-	-	-
Stage 1	439	-	-	-	-	-
Stage 2	440	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	17.1	0.4	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	866	-	304	-	-
HCM Lane V/C Ratio	0.039	-	0.024	-	-
HCM Control Delay (s)	9.3	0	17.1	-	-
HCM Lane LOS	A	A	C	-	-
HCM 95th %tile Q(veh)	0.1	-	0.1	-	-

Intersection	
Int Delay, s/veh	2.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	14	4	0	2	81	193	24	15	58	0
Future Vol, veh/h	0	0	14	4	0	2	81	193	24	15	58	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	0	0	15	4	0	2	85	203	25	16	61	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	480	491	61	487	479	216	61	0	0	228	0	0
Stage 1	93	93	-	386	386	-	-	-	-	-	-	-
Stage 2	387	398	-	101	93	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.1	6.5	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	499	481	1010	494	489	829	1555	-	-	1352	-	-
Stage 1	919	822	-	641	614	-	-	-	-	-	-	-
Stage 2	641	606	-	910	822	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	470	445	1010	459	453	829	1555	-	-	1352	-	-
Mov Cap-2 Maneuver	470	445	-	459	453	-	-	-	-	-	-	-
Stage 1	861	812	-	601	575	-	-	-	-	-	-	-
Stage 2	599	568	-	886	812	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	8.6	11.8	2	1.6
HCM LOS	A	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1555	-	-	1010	539	1352	-	-
HCM Lane V/C Ratio	0.055	-	-	0.015	0.012	0.012	-	-
HCM Control Delay (s)	7.4	0	-	8.6	11.8	7.7	0	-
HCM Lane LOS	A	A	-	A	B	A	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0	0	0	-	-

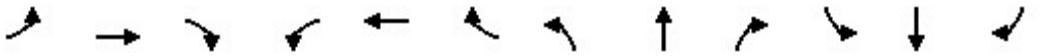
Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	5	2	12	733	688	27
Future Vol, veh/h	5	2	12	733	688	27
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	5	2	13	772	724	28

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1536	738	752	0	-	0
Stage 1	738	-	-	-	-	-
Stage 2	798	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	129	421	867	-	-	-
Stage 1	476	-	-	-	-	-
Stage 2	447	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	126	421	867	-	-	-
Mov Cap-2 Maneuver	126	-	-	-	-	-
Stage 1	464	-	-	-	-	-
Stage 2	447	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	28.9	0.1	0
HCM LOS	D		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	867	-	158	-	-
HCM Lane V/C Ratio	0.015	-	0.047	-	-
HCM Control Delay (s)	9.2	0	28.9	-	-
HCM Lane LOS	A	A	D	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-



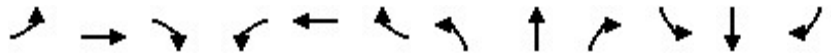
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	1051	166	11	688	356	405	2636	81	638	1459	91
Future Volume (veh/h)	50	1051	166	11	688	356	405	2636	81	638	1459	91
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	53	1106	175	12	724	375	426	2775	85	672	1536	96
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	18	754	119	51	599	310	180	1402	43	267	1521	95
Arrive On Green	0.01	0.24	0.26	0.03	0.26	0.26	0.10	0.39	0.39	0.15	0.44	0.44
Sat Flow, veh/h	1810	3123	493	1810	2301	1190	1810	3576	109	1810	3452	215
Grp Volume(v), veh/h	53	638	643	12	568	531	426	1393	1467	672	800	832
Grp Sat Flow(s),veh/h/ln	1810	1805	1811	1810	1805	1686	1810	1805	1880	1810	1805	1861
Q Serve(g_s), s	1.4	34.8	34.8	0.9	37.5	37.5	14.3	56.5	56.5	21.3	63.5	63.5
Cycle Q Clear(g_c), s	1.4	34.8	34.8	0.9	37.5	37.5	14.3	56.5	56.5	21.3	63.5	63.5
Prop In Lane	1.00		0.27	1.00		0.71	1.00		0.06	1.00		0.12
Lane Grp Cap(c), veh/h	18	436	437	51	470	439	180	708	737	267	795	820
V/C Ratio(X)	3.01	1.46	1.47	0.23	1.21	1.21	2.37	1.97	1.99	2.51	1.01	1.01
Avail Cap(c_a), veh/h	29	436	437	63	470	439	180	708	737	267	795	820
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	71.4	54.7	54.2	68.5	53.3	53.3	64.9	43.8	43.8	61.4	40.3	40.3
Incr Delay (d2), s/veh	1039.4	220.8	223.8	1.7	112.4	114.5	634.4	441.1	450.0	691.6	33.2	35.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.7	41.9	42.3	0.4	30.9	29.1	38.0	110.4	116.8	60.8	33.5	35.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1110.8	275.5	278.0	70.2	165.7	167.8	699.3	484.9	493.8	753.0	73.5	75.5
LnGrp LOS	F	F	F	E	F	F	F	F	F	F	F	F
Approach Vol, veh/h		1334			1111			3286			2304	
Approach Delay, s/veh		309.9			165.7			516.7			272.4	
Approach LOS		F			F			F			F	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.8	45.3	19.0	71.0	9.1	45.0	26.0	64.0
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	5.0	* 38	* 14	63.5	5.3	* 38	* 21	56.5
Max Q Clear Time (g_c+I1), s	2.9	37.8	16.3	65.5	4.4	39.5	23.3	58.5
Green Ext Time (p_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	363.8
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	9	1848	14	145	1255	55	40	10	331	32	1	3
Future Volume (veh/h)	9	1848	14	145	1255	55	40	10	331	32	1	3
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1700	1800	1800	1700	1800	1800	1700	1800	1800	1700	1800	1800
Adj Flow Rate, veh/h	9	1945	15	153	1321	58	42	11	348	34	1	3
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	18	2218	17	177	2651	823	56	8	477	62	1	478
Arrive On Green	0.01	0.44	0.44	0.11	0.54	0.54	0.31	0.31	0.31	0.31	0.31	0.31
Sat Flow, veh/h	1619	5030	39	1619	4914	1525	0	26	1523	0	3	1525
Grp Volume(v), veh/h	9	1267	693	153	1321	58	53	0	348	35	0	3
Grp Sat Flow(s),veh/h/ln	1619	1638	1793	1619	1638	1525	26	0	1523	3	0	1525
Q Serve(g_s), s	0.6	40.6	40.6	10.7	19.5	2.1	0.0	0.0	23.4	0.0	0.0	0.2
Cycle Q Clear(g_c), s	0.6	40.6	40.6	10.7	19.5	2.1	36.1	0.0	23.4	36.1	0.0	0.2
Prop In Lane	1.00		0.02	1.00		1.00	0.79		1.00	0.97		1.00
Lane Grp Cap(c), veh/h	18	1444	791	177	2651	823	64	0	477	63	0	478
V/C Ratio(X)	0.51	0.88	0.88	0.86	0.50	0.07	0.83	0.00	0.73	0.56	0.00	0.01
Avail Cap(c_a), veh/h	70	1444	791	180	2651	823	64	0	477	63	0	478
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	56.7	29.4	29.4	50.5	16.7	12.7	52.1	0.0	35.2	56.7	0.0	27.2
Incr Delay (d2), s/veh	21.2	7.8	13.1	32.2	0.7	0.2	56.2	0.0	5.6	10.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	15.9	18.6	5.7	6.6	0.7	2.5	0.0	9.3	1.2	0.0	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	77.8	37.1	42.5	82.6	17.4	12.9	108.3	0.0	40.8	67.4	0.0	27.2
LnGrp LOS	E	D	D	F	B	B	F	A	D	E	A	C
Approach Vol, veh/h		1969			1532			401			38	
Approach Delay, s/veh		39.2			23.7			49.7			64.2	
Approach LOS		D			C			D			E	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	17.2	57.3		40.7	5.9	68.7		40.7
Change Period (Y+Rc), s	4.6	6.5		4.6	4.6	* 6.5		4.6
Max Green Setting (Gmax), s	12.6	50.8		10.0	5.0	* 59		36.1
Max Q Clear Time (g_c+I1), s	12.7	42.6		38.1	2.6	21.5		38.1
Green Ext Time (p_c), s	0.0	6.2		0.0	0.0	10.6		0.0

Intersection Summary	
HCM 6th Ctrl Delay	34.5
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	112.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	25	0	56	520	0	415	37	2742	197	423	1136	15
Future Vol, veh/h	25	0	56	520	0	415	37	2742	197	423	1136	15
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	200	-	-	375	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	95	92	95	92	95	95	95	95	92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	27	0	61	547	0	437	40	2886	207	445	1196	16

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	3617	5267	1204	5195	5172	1547	1212	0	0	3093	0	0
Stage 1	2094	2094	-	3070	3070	-	-	-	-	-	-	-
Stage 2	1523	3173	-	2125	2102	-	-	-	-	-	-	-
Critical Hdwy	7.3	6.5	6.2	7.3	6.5	6.9	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.5	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	~ 2	0	227	0	0	~ 105	583	-	-	~ 108	-	-
Stage 1	69	95	-	~ 13	29	-	-	-	-	-	-	-
Stage 2	126	26	-	~ 66	94	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	0	227	-	0	~ 105	583	-	-	~ 108	-	-
Mov Cap-2 Maneuver	-	0	-	-	0	-	-	-	-	-	-	-
Stage 1	64	0	-	~ 12	27	-	-	-	-	-	-	-
Stage 2	-	24	-	-	0	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s			0.1	$ 399.3
HCM LOS	-	-		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	583	-	-	-	227	-	105	~ 108	-	-
HCM Lane V/C Ratio	0.069	-	-	-	0.268	-	4.16	4.123	-	-
HCM Control Delay (s)	11.6	-	-	-	26.6	$ 1505.$	$ 1486.3		-	-
HCM Lane LOS	B	-	-	-	D	-	F	F	-	-
HCM 95th %tile Q(veh)	0.2	-	-	-	1	-	45.1	45.8	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	1743.4

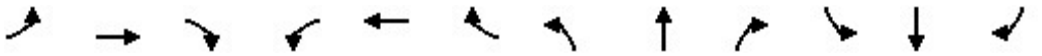
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	47	391	364	294	369	0	337	0	225	0	0	217
Future Vol, veh/h	47	391	364	294	369	0	337	0	225	0	0	217
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	49	412	383	309	388	0	355	0	237	0	0	228

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	388	0	0	795	0	0	1822	1708	604	1826	1899	388
Stage 1	-	-	-	-	-	-	702	702	-	1006	1006	-
Stage 2	-	-	-	-	-	-	1120	1006	-	820	893	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1182	-	-	835	-	-	~ 60	92	502	60	70	665
Stage 1	-	-	-	-	-	-	432	443	-	293	321	-
Stage 2	-	-	-	-	-	-	~ 253	321	-	372	363	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1182	-	-	835	-	-	~ 23	45	502	19	34	665
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 23	45	-	19	34	-
Stage 1	-	-	-	-	-	-	397	408	-	270	169	-
Stage 2	-	-	-	-	-	-	~ 88	169	-	181	334	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.5	5.2	$ 6949.4	13.2
HCM LOS			F	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	37	1182	-	-	835	-	-	665
HCM Lane V/C Ratio	15.989	0.042	-	-	0.371	-	-	0.343
HCM Control Delay (s)	$ 6949.4	8.2	0	-	11.8	0	-	13.2
HCM Lane LOS	F	A	A	-	B	A	-	B
HCM 95th %tile Q(veh)	72.4	0.1	-	-	1.7	-	-	1.5

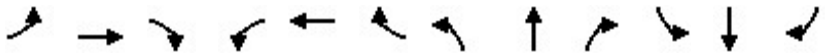
Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	79	5	60	261	21	480	36	2361	231	176	1640	72
Future Volume (veh/h)	79	5	60	261	21	480	36	2361	231	176	1640	72
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	83	5	63	275	22	505	38	2485	243	185	1726	76
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	222	23	291	275	367	311	49	2178	972	150	2379	1061
Arrive On Green	0.19	0.19	0.19	0.19	0.19	0.19	0.03	0.60	0.60	0.08	0.66	0.66
Sat Flow, veh/h	939	120	1509	1429	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	83	0	68	275	22	505	38	2485	243	185	1726	76
Grp Sat Flow(s),veh/h/ln	939	0	1628	1429	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	11.5	0.0	5.1	22.9	1.4	28.0	3.0	87.5	10.2	12.0	45.3	2.4
Cycle Q Clear(g_c), s	12.8	0.0	5.1	28.0	1.4	28.0	3.0	87.5	10.2	12.0	45.3	2.4
Prop In Lane	1.00		0.93	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	222	0	314	275	367	311	49	2178	972	150	2379	1061
V/C Ratio(X)	0.37	0.00	0.22	1.00	0.06	1.62	0.77	1.14	0.25	1.24	0.73	0.07
Avail Cap(c_a), veh/h	222	0	314	275	367	311	100	2178	972	150	2379	1061
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	53.0	0.0	49.3	63.1	47.8	58.5	70.1	28.8	13.4	66.5	16.2	8.8
Incr Delay (d2), s/veh	0.4	0.0	0.1	53.8	0.0	295.2	9.1	69.4	0.1	150.4	1.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.8	0.0	2.1	14.4	0.7	36.9	1.5	53.8	3.5	11.6	16.5	0.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	53.4	0.0	49.4	116.9	47.8	353.7	79.2	98.2	13.6	216.9	17.3	8.9
LnGrp LOS	D	A	D	F	D	F	E	F	B	F	B	A
Approach Vol, veh/h		151			802			2766			1987	
Approach Delay, s/veh		51.6			264.1			90.5			35.5	
Approach LOS		D			F			F			D	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	17.0	94.0		34.0	8.9	102.1		34.0				
Change Period (Y+Rc), s	5.0	6.5		6.0	5.0	6.5		6.0				
Max Green Setting (Gmax), s	12.0	87.5		28.0	8.0	91.5		28.0				
Max Q Clear Time (g_c+I1), s	14.0	89.5		14.8	5.0	47.3		30.0				
Green Ext Time (p_c), s	0.0	0.0		0.4	0.0	18.2		0.0				

Intersection Summary			
HCM 6th Ctrl Delay		94.7	
HCM 6th LOS		F	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	552	329	79	253	111	470	42	1512	97	402	1526	89
Future Volume (veh/h)	552	329	79	253	111	470	42	1512	97	402	1526	89
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	581	346	83	266	117	495	44	1592	102	423	1606	94
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	344	562	135	245	721	611	57	1282	572	266	1699	758
Arrive On Green	0.38	0.38	0.38	0.38	0.38	0.38	0.03	0.36	0.36	0.15	0.47	0.47
Sat Flow, veh/h	868	1481	355	1028	1900	1610	1810	3610	1610	1810	3610	1610
Grp Volume(v), veh/h	581	0	429	266	117	495	44	1592	102	423	1606	94
Grp Sat Flow(s),veh/h/ln	868	0	1836	1028	1900	1610	1810	1805	1610	1810	1805	1610
Q Serve(g_s), s	49.1	0.0	27.4	27.6	5.9	39.9	3.5	51.5	6.3	21.3	61.5	4.8
Cycle Q Clear(g_c), s	55.0	0.0	27.4	55.0	5.9	39.9	3.5	51.5	6.3	21.3	61.5	4.8
Prop In Lane	1.00		0.19	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	344	0	696	245	721	611	57	1282	572	266	1699	758
V/C Ratio(X)	1.69	0.00	0.62	1.09	0.16	0.81	0.77	1.24	0.18	1.59	0.95	0.12
Avail Cap(c_a), veh/h	344	0	696	245	721	611	66	1282	572	266	1699	758
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	51.5	0.0	36.4	61.5	29.8	40.3	69.7	46.8	32.2	61.8	36.6	21.6
Incr Delay (d2), s/veh	323.2	0.0	1.2	82.1	0.0	7.5	35.0	115.5	0.3	283.2	11.7	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	43.7	0.0	12.6	14.8	2.8	17.1	2.1	42.4	2.4	30.4	27.8	1.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	374.7	0.0	37.7	143.6	29.8	47.9	104.7	162.3	32.5	345.1	48.3	21.7
LnGrp LOS	F	A	D	F	C	D	F	F	C	F	D	C
Approach Vol, veh/h		1010			878			1738			2123	
Approach Delay, s/veh		231.5			74.5			153.2			106.3	
Approach LOS		F			E			F			F	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	26.0	59.0		60.0	9.3	75.7		60.0
Change Period (Y+Rc), s	* 4.7	7.5		5.0	* 4.7	7.5		5.0
Max Green Setting (Gmax), s	* 21	51.5		55.0	* 5.3	67.5		55.0
Max Q Clear Time (g_c+I1), s	23.3	53.5		57.0	5.5	63.5		57.0
Green Ext Time (p_c), s	0.0	0.0		0.0	0.0	3.7		0.0

Intersection Summary	
HCM 6th Ctrl Delay	137.6
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	8.2

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	854	299	0	64	523
Future Vol, veh/h	0	854	299	0	64	523
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	899	315	0	67	551

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	1214	315
Stage 1	-	-	-	-	315	-
Stage 2	-	-	-	-	899	-
Critical Hdwy	-	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	0	-	-	0	202	730
Stage 1	0	-	-	0	744	-
Stage 2	0	-	-	0	401	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	202	730
Mov Cap-2 Maneuver	-	-	-	-	202	-
Stage 1	-	-	-	-	744	-
Stage 2	-	-	-	-	401	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	24.3
HCM LOS			C

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	202	730
HCM Lane V/C Ratio	-	-	0.334	0.754
HCM Control Delay (s)	-	-	31.5	23.4
HCM Lane LOS	-	-	D	C
HCM 95th %tile Q(veh)	-	-	1.4	7

Intersection	
Int Delay, s/veh	1.4

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	32	4	48	7	1	165
Future Vol, veh/h	32	4	48	7	1	165
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	34	4	51	7	1	174

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	231	55	0	0	58	0
Stage 1	55	-	-	-	-	-
Stage 2	176	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	762	1018	-	-	1559	-
Stage 1	973	-	-	-	-	-
Stage 2	859	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	761	1018	-	-	1559	-
Mov Cap-2 Maneuver	761	-	-	-	-	-
Stage 1	973	-	-	-	-	-
Stage 2	858	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.8	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	783	1559	-
HCM Lane V/C Ratio	-	-	0.048	0.001	-
HCM Control Delay (s)	-	-	9.8	7.3	0
HCM Lane LOS	-	-	A	A	A
HCM 95th %tile Q(veh)	-	-	0.2	0	-

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	6	29	7	633	629	1
Future Vol, veh/h	6	29	7	633	629	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	6	31	7	666	662	1

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1343	663	663	0	-	0
Stage 1	663	-	-	-	-	-
Stage 2	680	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	169	465	935	-	-	-
Stage 1	516	-	-	-	-	-
Stage 2	507	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	167	465	935	-	-	-
Mov Cap-2 Maneuver	167	-	-	-	-	-
Stage 1	510	-	-	-	-	-
Stage 2	507	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	16.3	0.1	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	935	-	356	-	-
HCM Lane V/C Ratio	0.008	-	0.103	-	-
HCM Control Delay (s)	8.9	0	16.3	-	-
HCM Lane LOS	A	A	C	-	-
HCM 95th %tile Q(veh)	0	-	0.3	-	-

Intersection	
Int Delay, s/veh	3.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	71	23	0	14	16	31	5	3	146	0
Future Vol, veh/h	0	0	71	23	0	14	16	31	5	3	146	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	0	0	75	24	0	15	17	33	5	3	154	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	237	232	154	268	230	36	154	0	0	38	0	0
Stage 1	160	160	-	70	70	-	-	-	-	-	-	-
Stage 2	77	72	-	198	160	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.1	6.5	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	722	672	897	689	673	1042	1439	-	-	1585	-	-
Stage 1	847	769	-	945	841	-	-	-	-	-	-	-
Stage 2	937	839	-	808	769	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	704	663	897	625	664	1042	1439	-	-	1585	-	-
Mov Cap-2 Maneuver	704	663	-	625	664	-	-	-	-	-	-	-
Stage 1	837	767	-	934	831	-	-	-	-	-	-	-
Stage 2	913	829	-	739	767	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	9.4	10.2	2.3	0.1
HCM LOS	A	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1439	-	-	897	737	1585	-	-
HCM Lane V/C Ratio	0.012	-	-	0.083	0.053	0.002	-	-
HCM Control Delay (s)	7.5	0	-	9.4	10.2	7.3	0	-
HCM Lane LOS	A	A	-	A	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.3	0.2	0	-	-

Intersection	
Int Delay, s/veh	0.7

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	26	11	2	614	652	6
Future Vol, veh/h	26	11	2	614	652	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	27	12	2	646	686	6

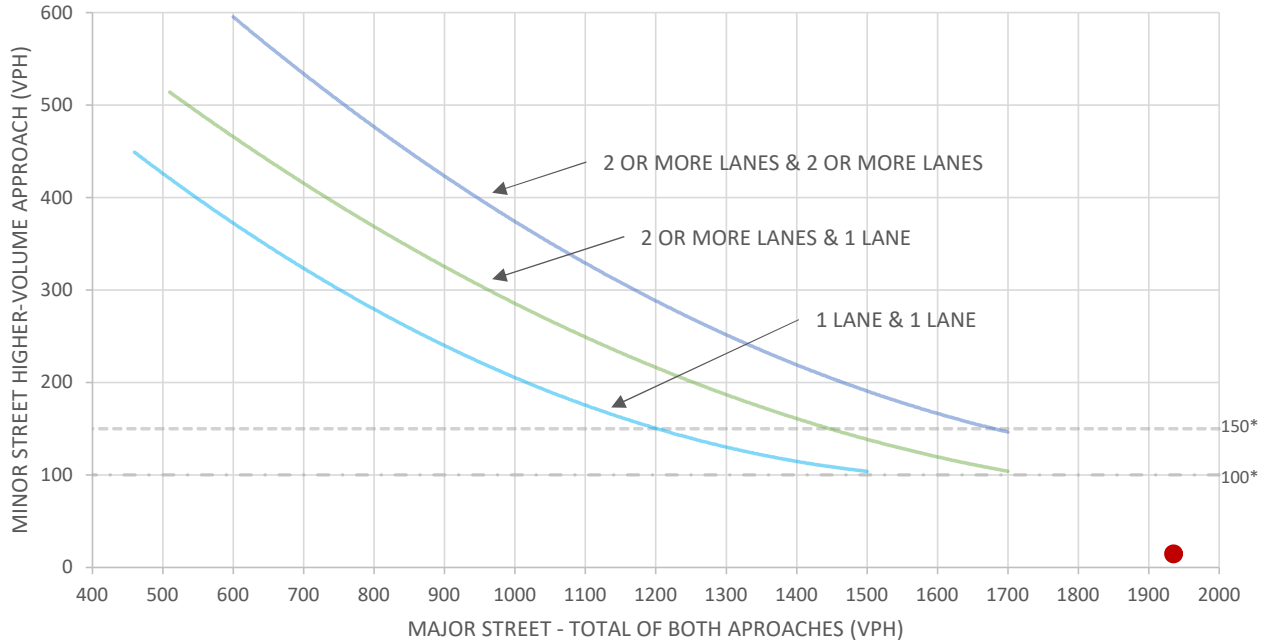
Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1339	689	692	0	-	0
Stage 1	689	-	-	-	-	-
Stage 2	650	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	170	449	912	-	-	-
Stage 1	502	-	-	-	-	-
Stage 2	523	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	169	449	912	-	-	-
Mov Cap-2 Maneuver	169	-	-	-	-	-
Stage 1	500	-	-	-	-	-
Stage 2	523	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	26.4	0	0
HCM LOS	D		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	912	-	207	-	-
HCM Lane V/C Ratio	0.002	-	0.188	-	-
HCM Control Delay (s)	9	0	26.4	-	-
HCM Lane LOS	A	A	D	-	-
HCM 95th %tile Q(veh)	0	-	0.7	-	-

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	3	☑	☐
Scenario	Existing	**Major Street**	US Highway 395		
Peak Hour	AM	**Minor Street**	Poplar Street	☐	☑

Figure 4C-3. Warrant 3, Peak Hour



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

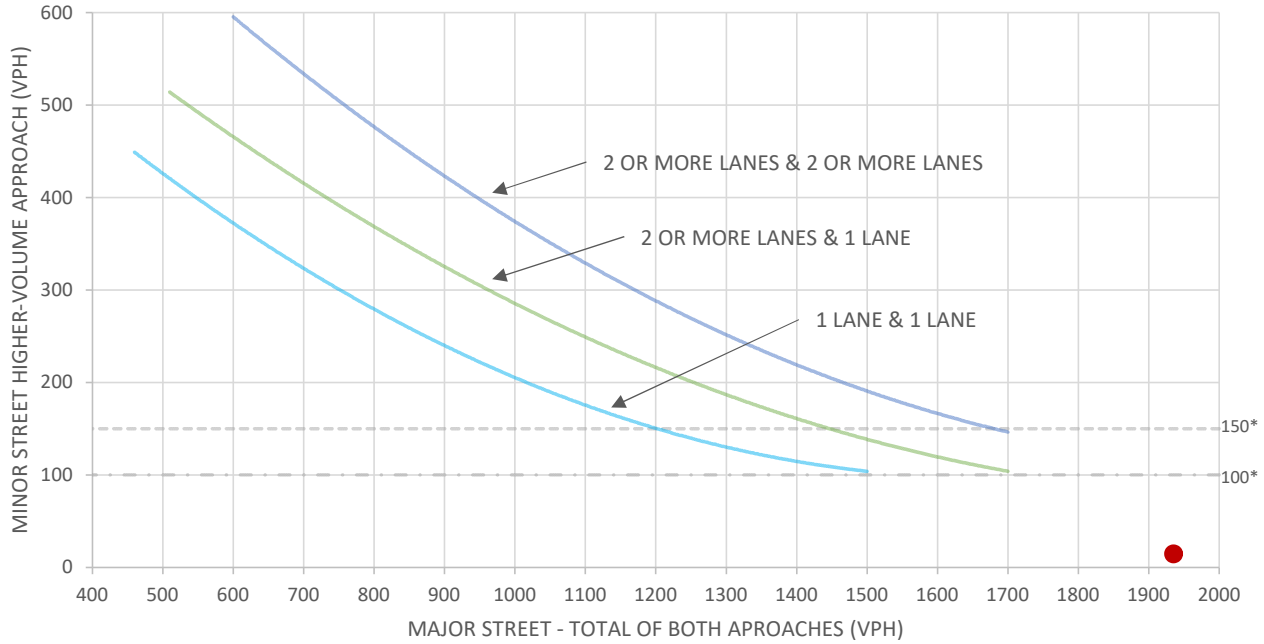
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	US Highway 395	Poplar Street	
Number of Approach Lanes	2	2	**No**
Traffic Volume (VPH)*	1,935	15	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	I-15 Industrial Park Project	**Intersection #**	3	☑	☐
Scenario	Existing	**Major Street**	US Highway 395		
Peak Hour	PM	**Minor Street**	Poplar Street	☐	☑

Figure 4C-3. Warrant 3, Peak Hour



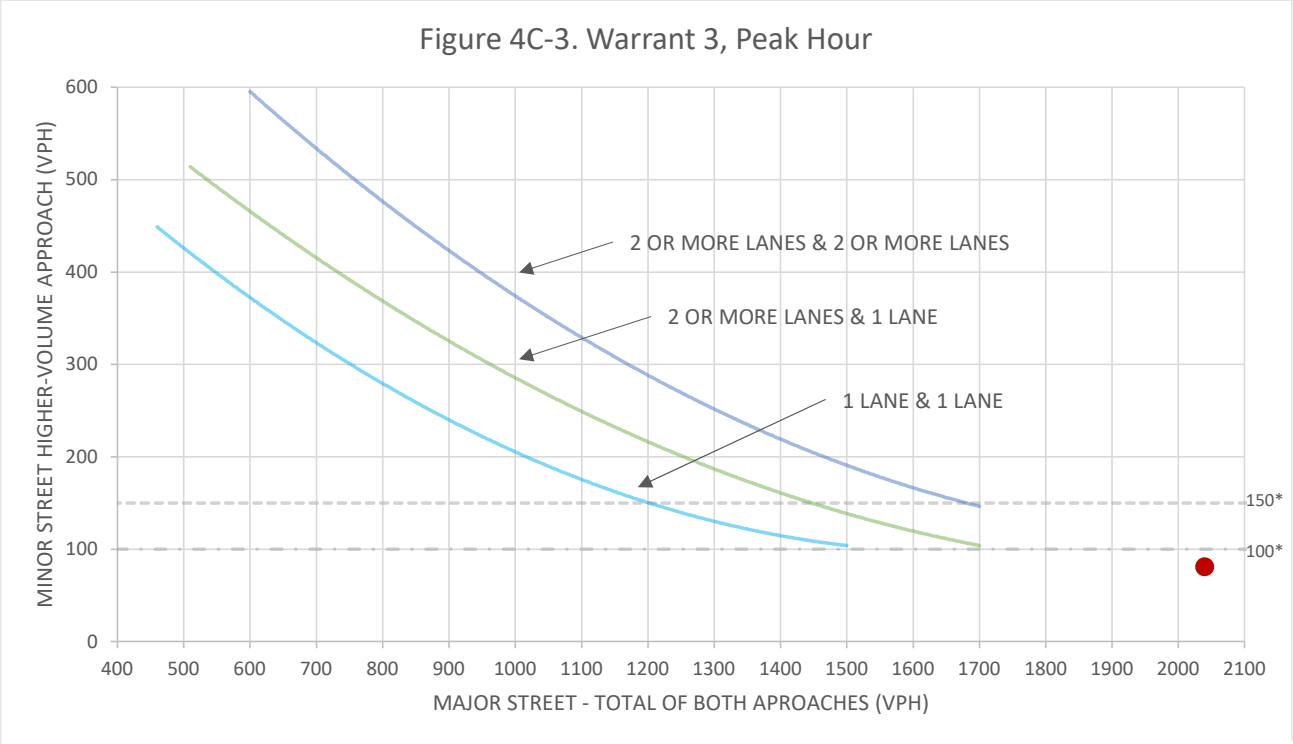
Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	US Highway 395	Poplar Street	
Number of Approach Lanes	2	2	**No**
Traffic Volume (VPH)*	1,935	15	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	3	☑	☐
Scenario	Existing plus Project	**Major Street**	US Highway 395		
Peak Hour	AM	**Minor Street**	Poplar Street	☐	☑



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

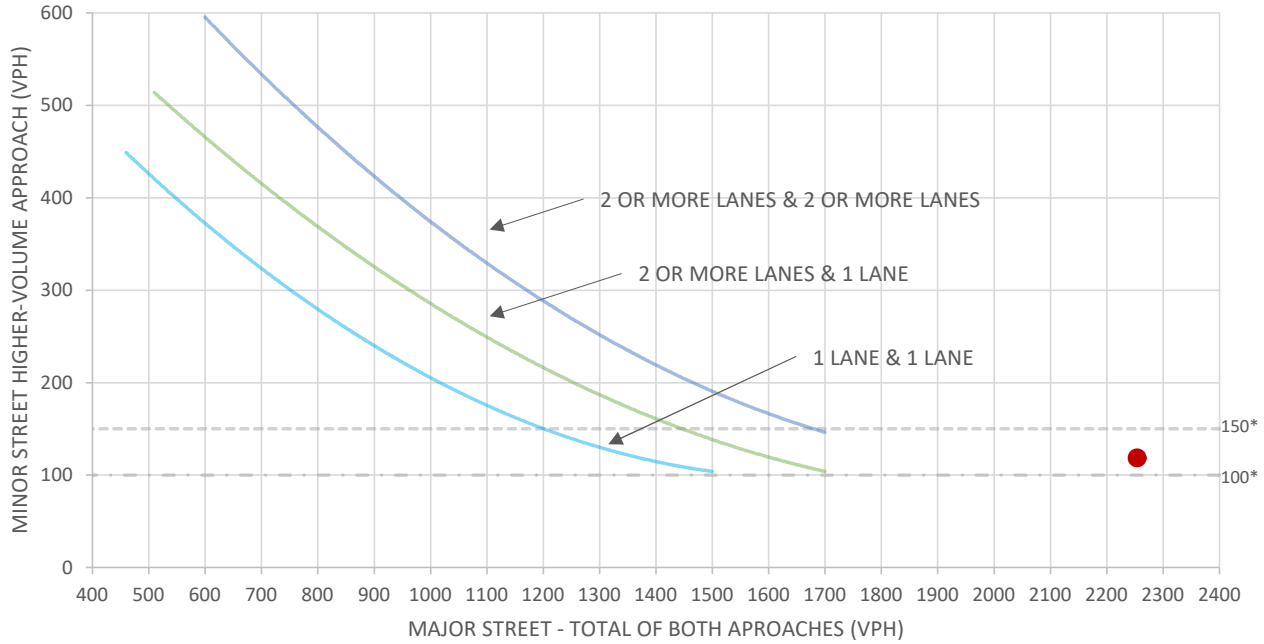
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	US Highway 395	Poplar Street	
Number of Approach Lanes	2	2	**No**
Traffic Volume (VPH)*	2,039	33	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	3		
Scenario	Existing plus Project	**Major Street**	US Highway 395	☑	☐
Peak Hour	PM	**Minor Street**	Poplar Street	☐	☑

Figure 4C-3. Warrant 3, Peak Hour



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

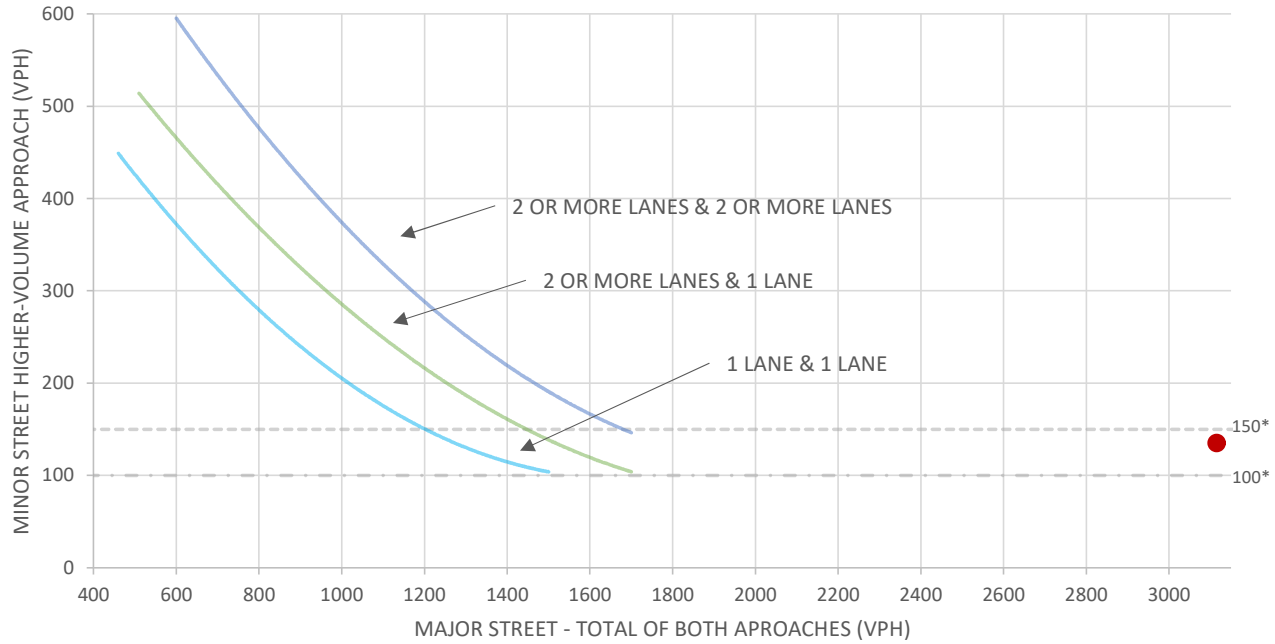
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	US Highway 395	Poplar Street	
Number of Approach Lanes	2	2	**No**
Traffic Volume (VPH)*	2,254	119	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	3		
Scenario	Opening Year (2024)	**Major Street**	US Highway 395	☑	☐
Peak Hour	AM	**Minor Street**	Poplar Street	☐	☑

Figure 4C-3. Warrant 3, Peak Hour



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

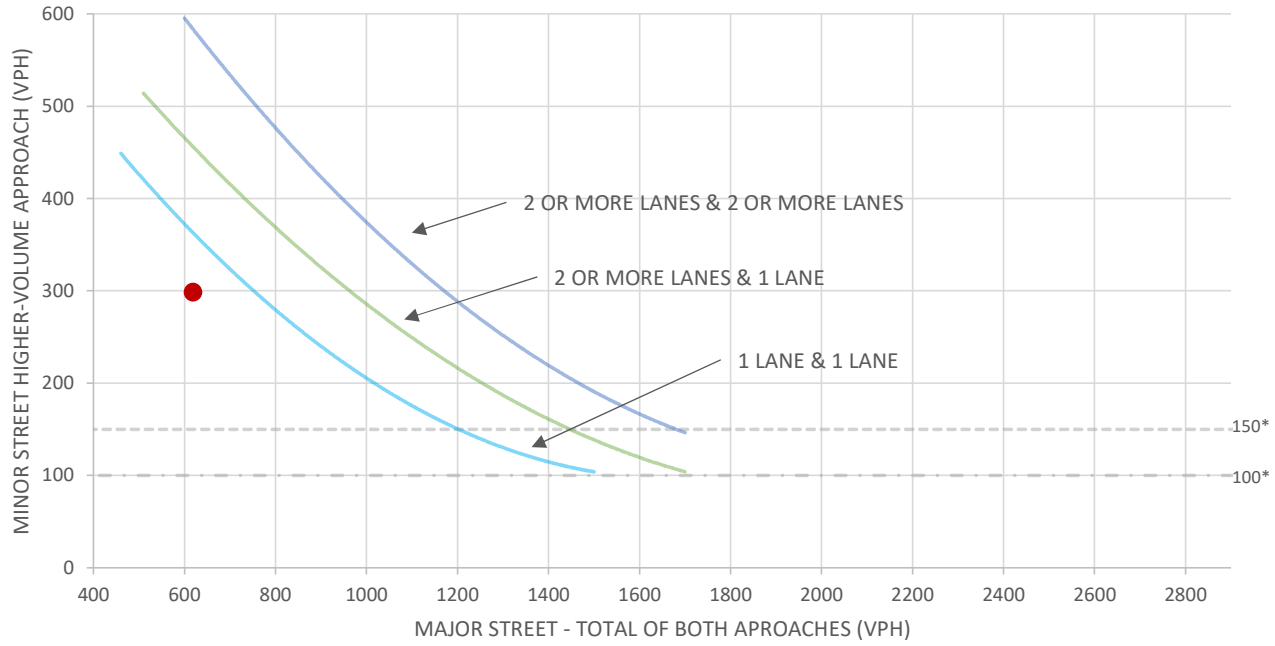
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	US Highway 395	Poplar Street	
Number of Approach Lanes	2	2	**No**
Traffic Volume (VPH)*	3,115	135	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	7		
Scenario	Opening Year (2024)	**Major Street**	I-15 SB Off-Ramp	☑	☐
Peak Hour	AM	**Minor Street**	Joshua Street	☐	☑

Figure 4C-3. Warrant 3, Peak Hour



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

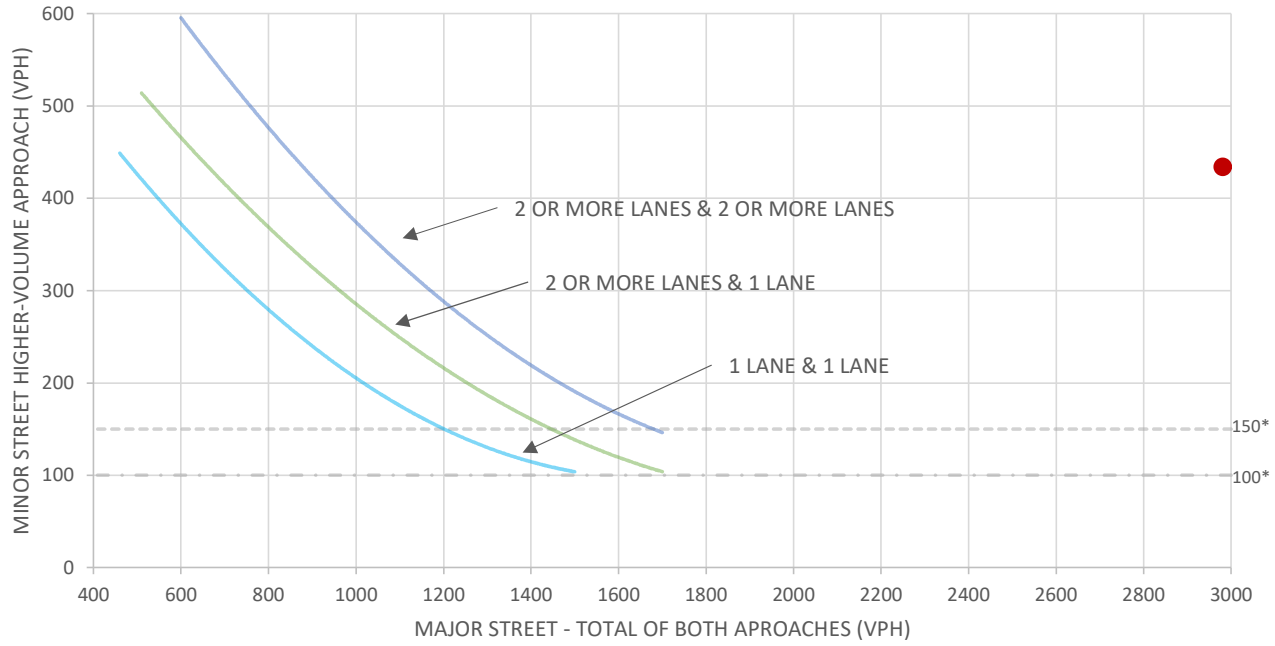
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	Minor Street	Warrant Met?
	I-15 SB Off-Ramp	Joshua Street	
Number of Approach Lanes	1	1	**No**
Traffic Volume (VPH)*	619	298	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	3	☑	☐
Scenario	Opening Year (2024)	**Major Street**	US Highway 395		
Peak Hour	PM	**Minor Street**	Poplar Street	☐	☑

Figure 4C-3. Warrant 3, Peak Hour



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

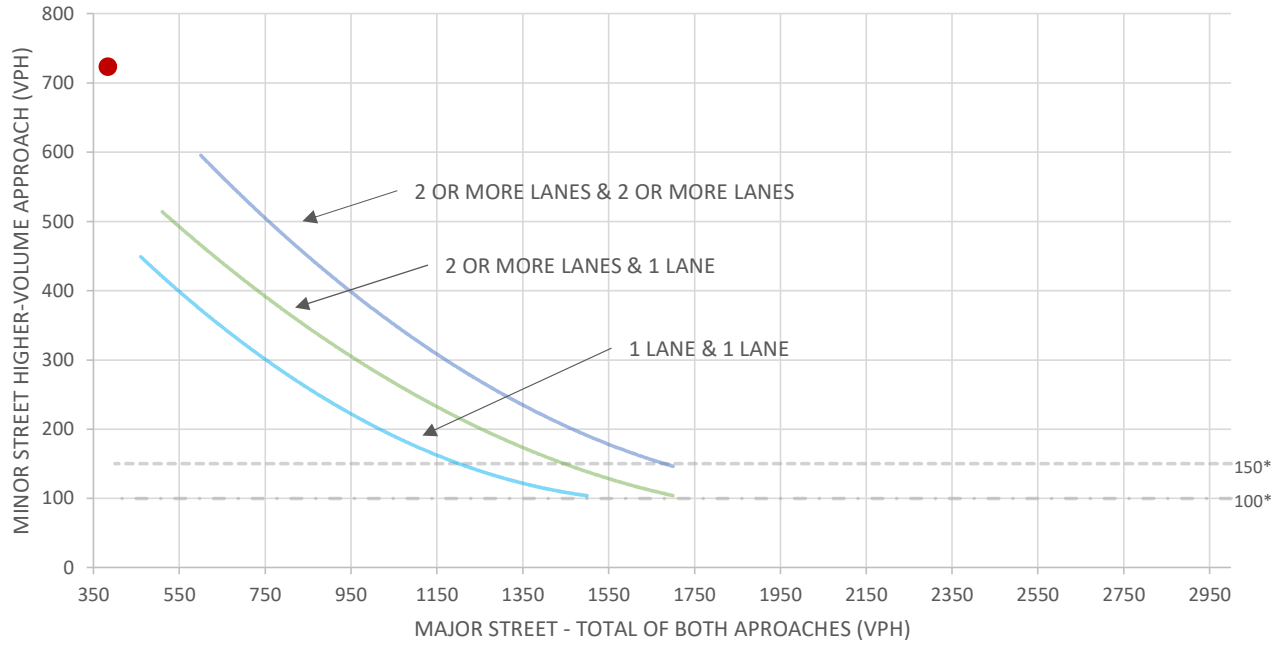
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	US Highway 395	Poplar Street	
Number of Approach Lanes	2	2	**Yes**
Traffic Volume (VPH)*	2,981	434	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	7		
Scenario	Opening Year (2024)	**Major Street**	I-15 SB Off-Ramp	☑	☐
Peak Hour	PM	**Minor Street**	Joshua Street	☐	☑

Figure 4C-3. Warrant 3, Peak Hour



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

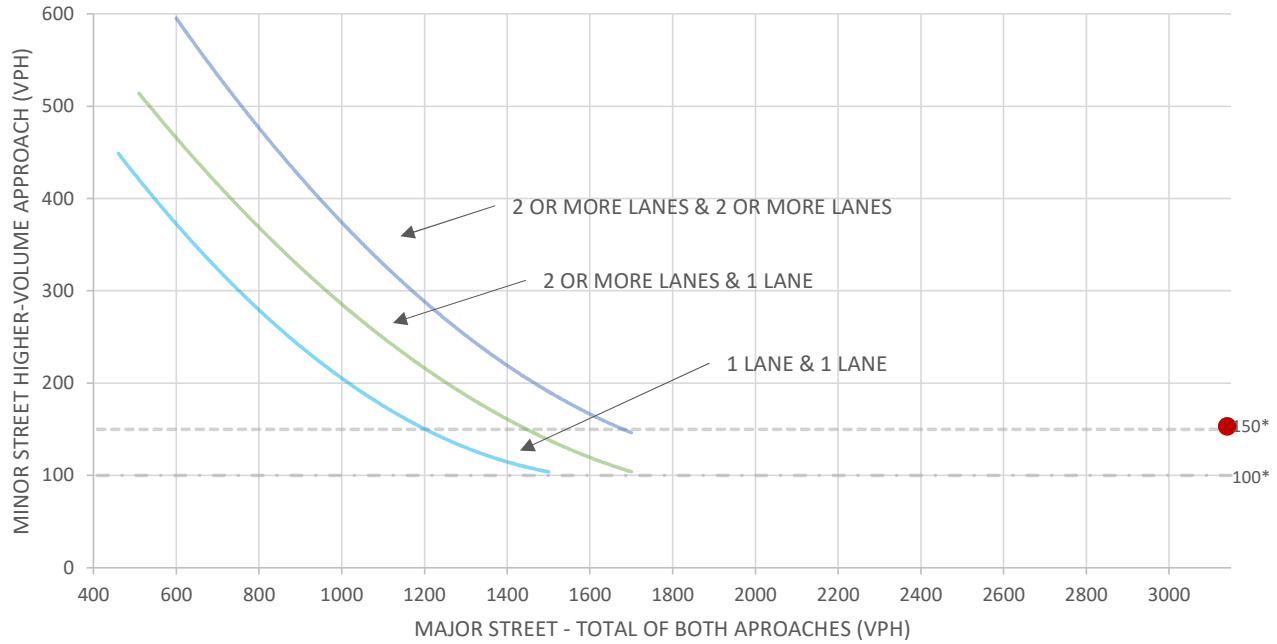
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	I-15 SB Off-Ramp	Joshua Street	
Number of Approach Lanes	1	1	**Yes**
Traffic Volume (VPH)*	384	723	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	3	☑	☐
Scenario	Opening Year (2024) plus Project	**Major Street**	US Highway 395	☐	☑
Peak Hour	AM	**Minor Street**	Poplar Street		

Figure 4C-3. Warrant 3, Peak Hour



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

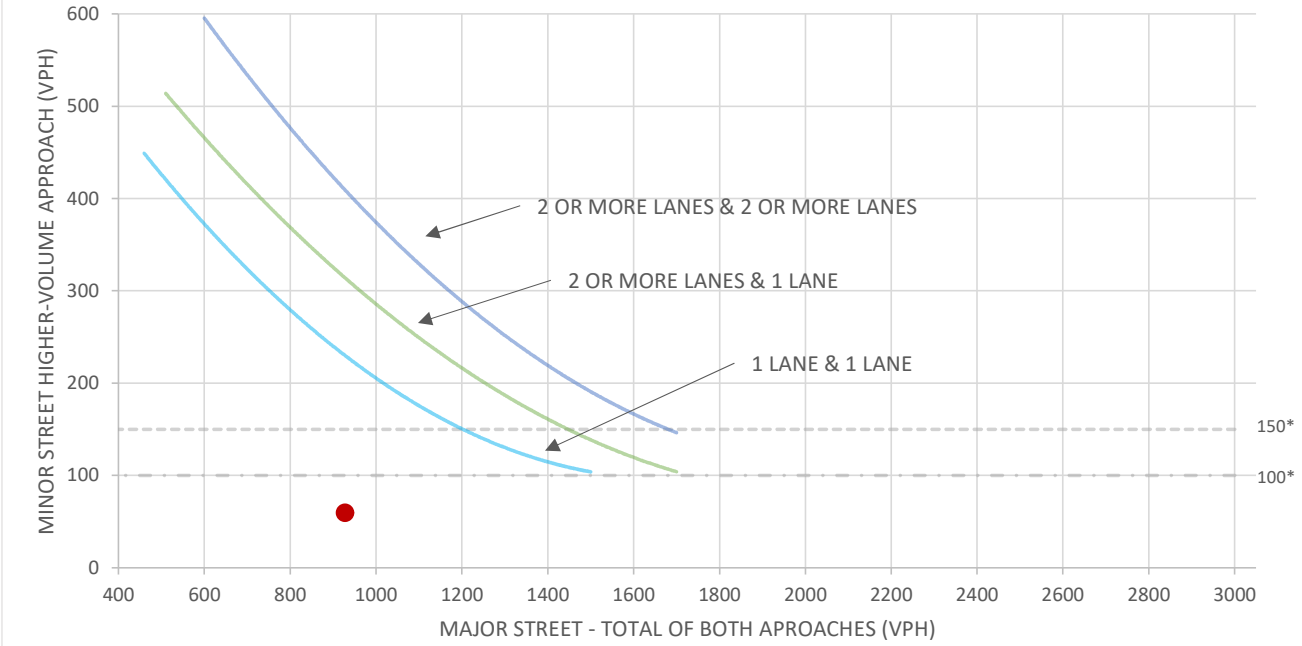
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	US Highway 395	Poplar Street	
Number of Approach Lanes	2	2	**Yes**
Traffic Volume (VPH)*	3,140	153	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	4		
Scenario	Opening Year (2024) plus Project	**Major Street**	Poplar Street	☐	☑
Peak Hour	AM	**Minor Street**	Lassen Road	☑	☐

Figure 4C-3. Warrant 3, Peak Hour



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

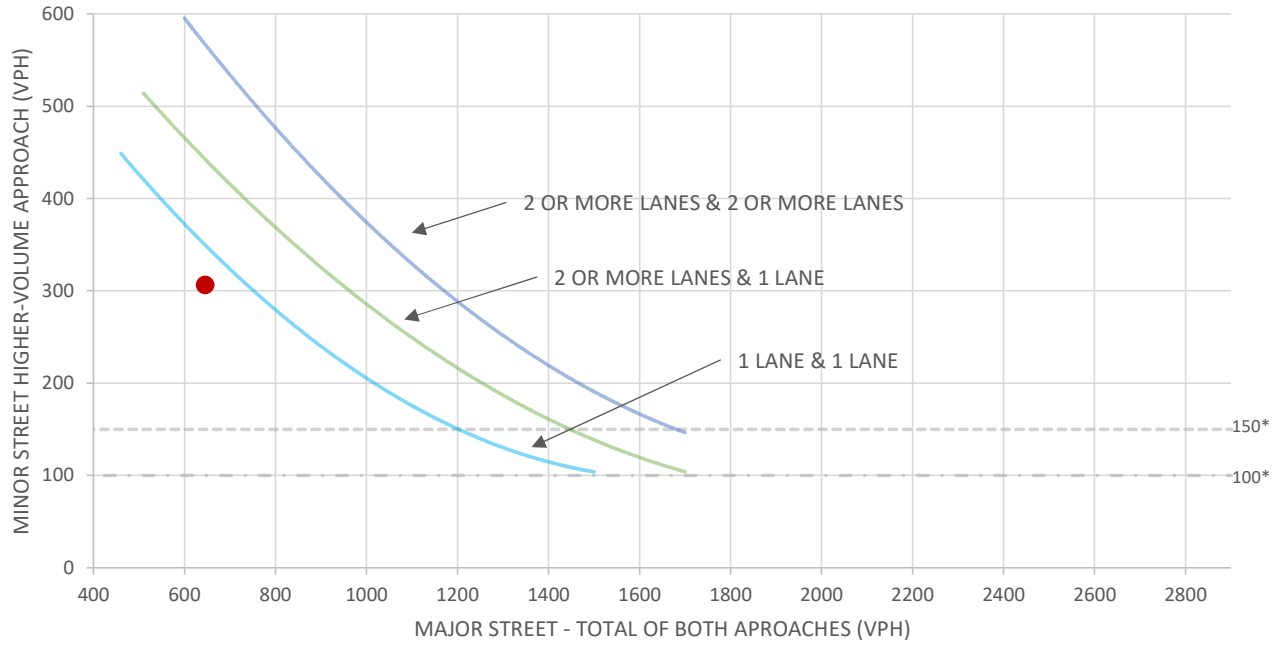
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	Poplar Street	Lassen Road	
Number of Approach Lanes	1	1	**No**
Traffic Volume (VPH)*	928	59	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	7		
Scenario	Opening Year (2024) plus Project	**Major Street**	I-15 SB Off-Ramp	☑	☐
Peak Hour	AM	**Minor Street**	Joshua Street	☐	☑

Figure 4C-3. Warrant 3, Peak Hour



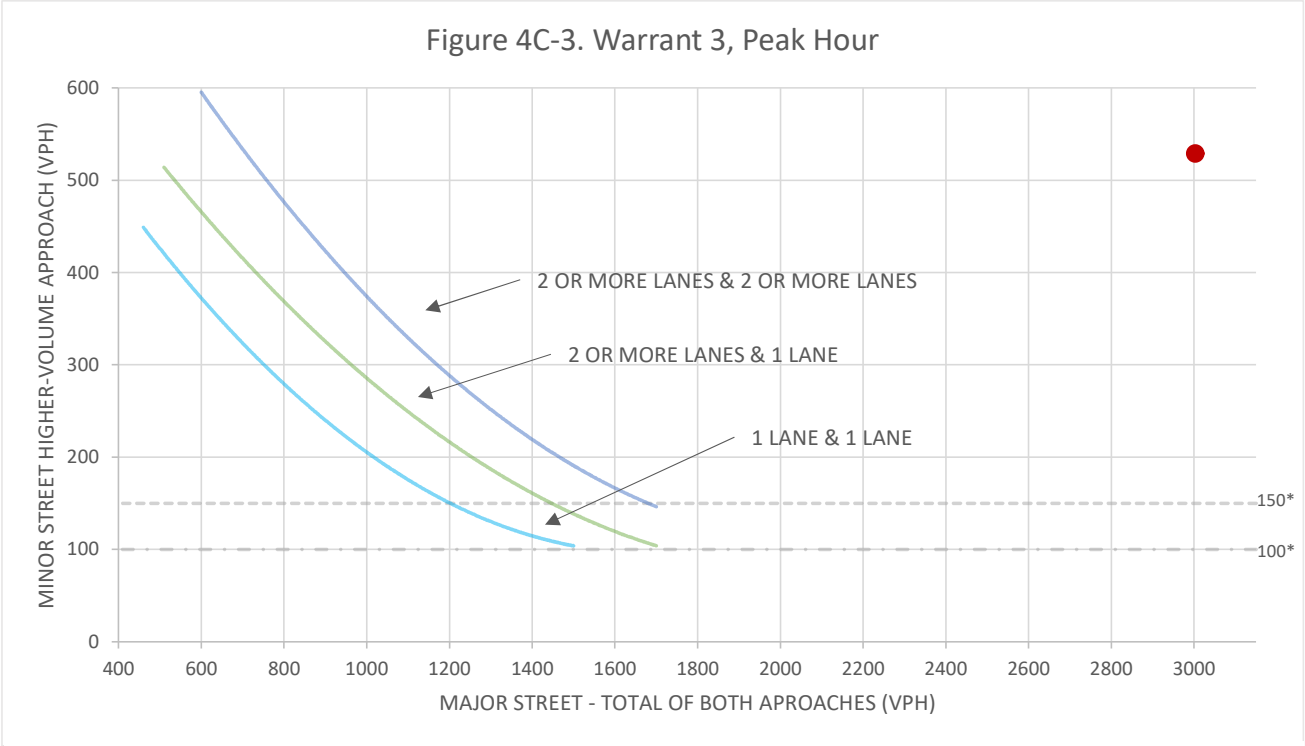
Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	Minor Street	Warrant Met?
	I-15 SB Off-Ramp	Joshua Street	
Number of Approach Lanes	1	1	**No**
Traffic Volume (VPH)*	646	306	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	3	☑	☐
Scenario	Opening Year (2024) plus Project	**Major Street**	US Highway 395	☐	☑
Peak Hour	PM	**Minor Street**	Poplar Street		



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

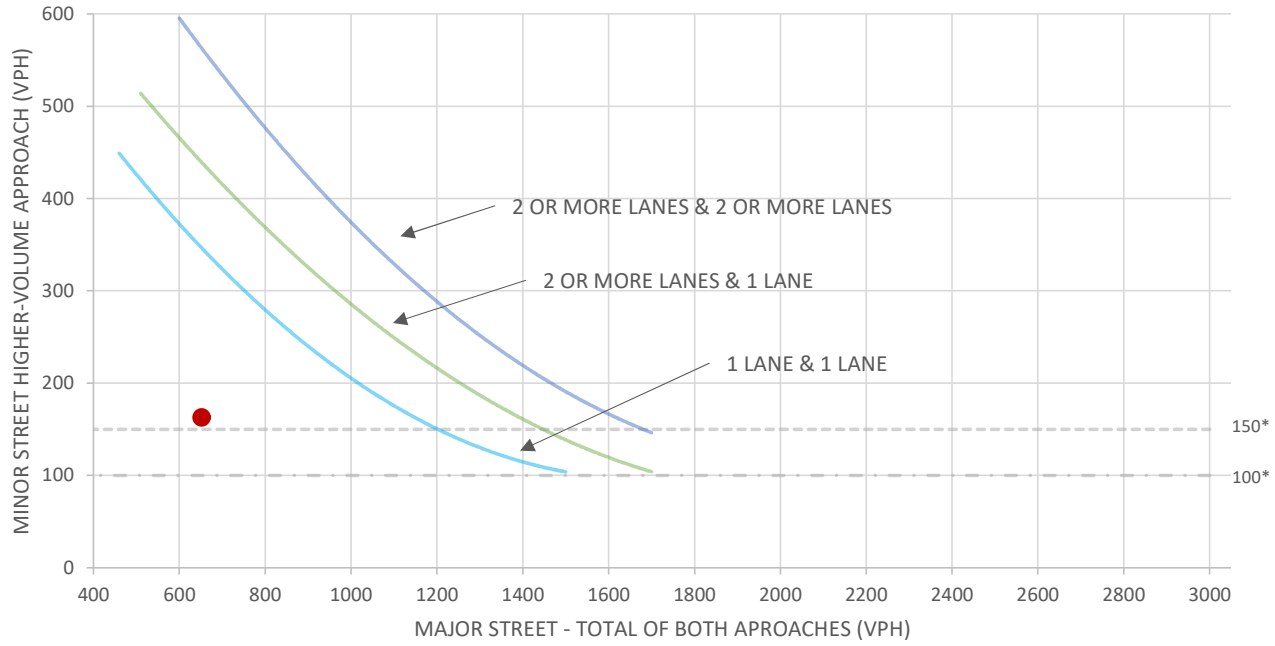
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	US Highway 395	Poplar Street	
Number of Approach Lanes	2	2	**Yes**
Traffic Volume (VPH)*	3,003	529	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	4	☐	☑
Scenario	Opening Year (2024) plus Project	**Major Street**	Poplar Street		
Peak Hour	PM	**Minor Street**	Lassen Road	☑	☐

Figure 4C-3. Warrant 3, Peak Hour



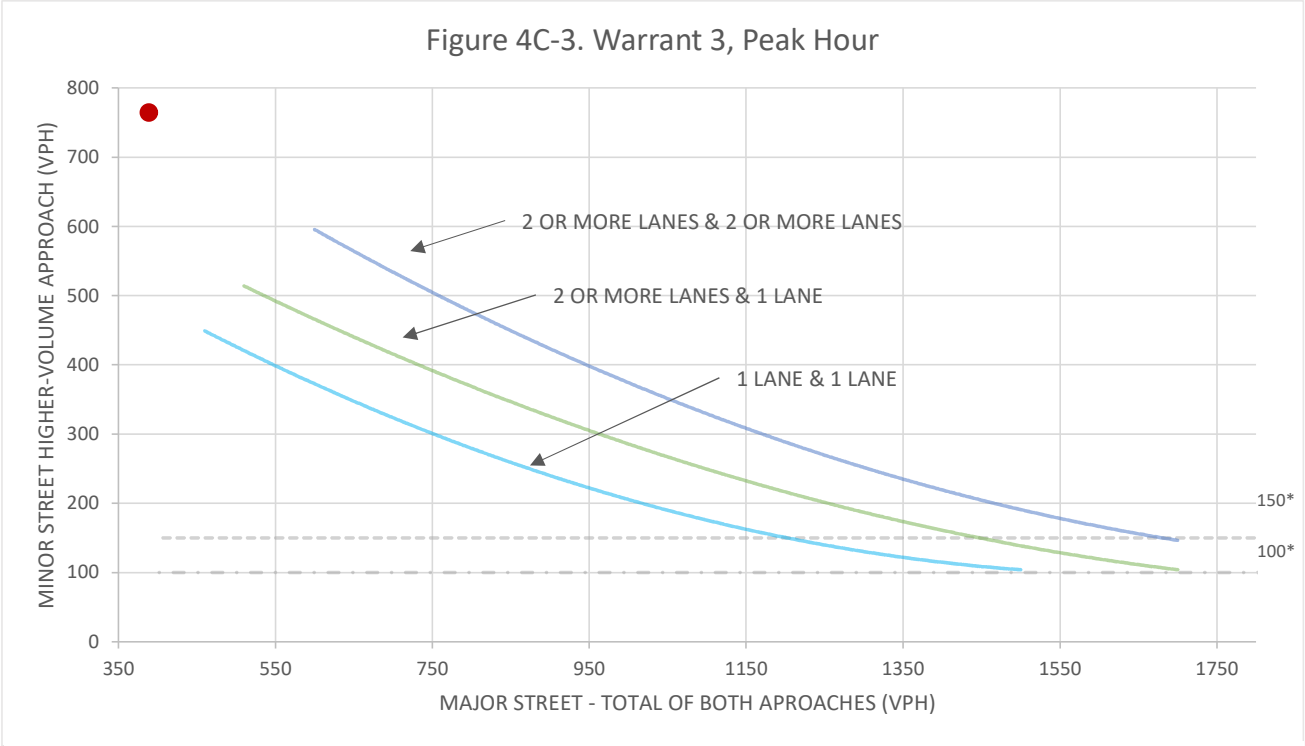
Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	Poplar Street	Lassen Road	
Number of Approach Lanes	1	1	**No**
Traffic Volume (VPH)*	652	163	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	7		
Scenario	Opening Year (2024) plus Project	**Major Street**	I-15 SB Off-Ramp	☑	☐
Peak Hour	PM	**Minor Street**	Joshua Street	☐	☑



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

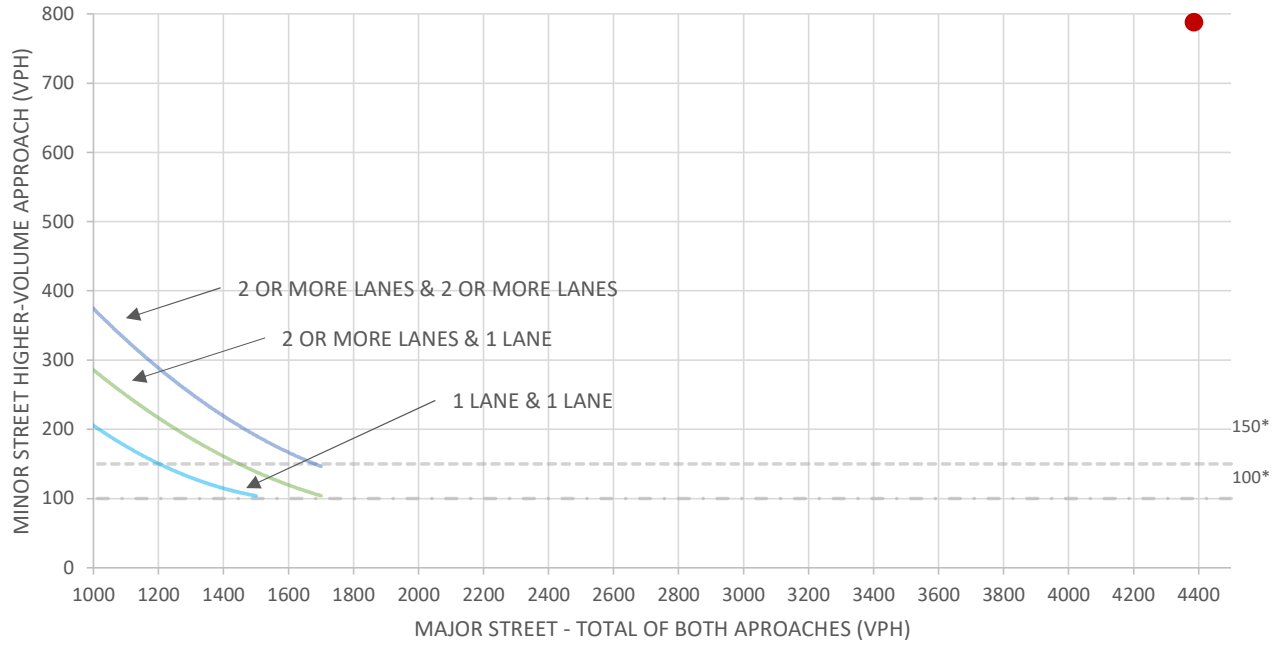
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	I-15 SB Off-Ramp	Joshua Street	
Number of Approach Lanes	1	1	**Yes**
Traffic Volume (VPH)*	389	764	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	3	☑	☐
Scenario	Horizon Year (2040)	**Major Street**	US Highway 395		
Peak Hour	AM	**Minor Street**	Poplar Street	☐	☑

Figure 4C-3. Warrant 3, Peak Hour



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

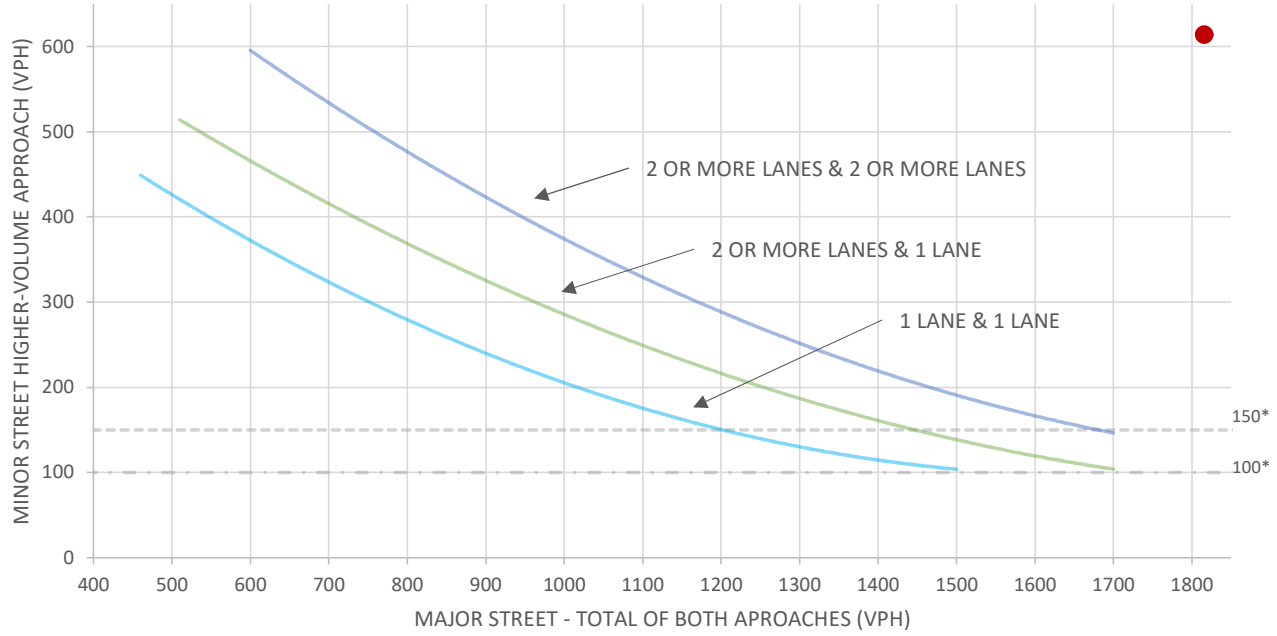
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	Minor Street	Warrant Met?
	US Highway 395	Poplar Street	
Number of Approach Lanes	2	2	Yes
Traffic Volume (VPH)*	4,386	788	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	4		
Scenario	Horizon Year (2040)	**Major Street**	Poplar Street	☐	☑
Peak Hour	AM	**Minor Street**	Lassen Road	☑	☐

Figure 4C-3. Warrant 3, Peak Hour



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

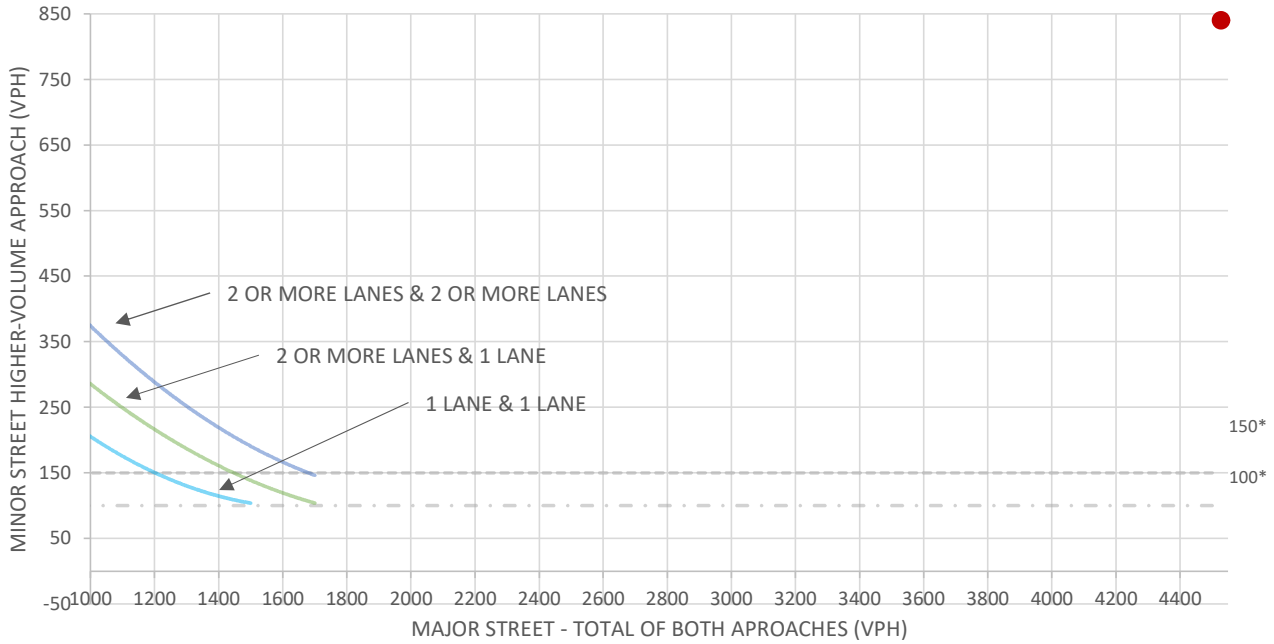
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	Poplar Street	Lassen Road	
Number of Approach Lanes	2	2	Yes
Traffic Volume (VPH)*	1,816	614	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	3	☑	☐
Scenario	Horizon Year (2040)	**Major Street**	US Highway 395	☐	☑
Peak Hour	PM	**Minor Street**	Poplar Street		

Figure 4C-3. Warrant 3, Peak Hour



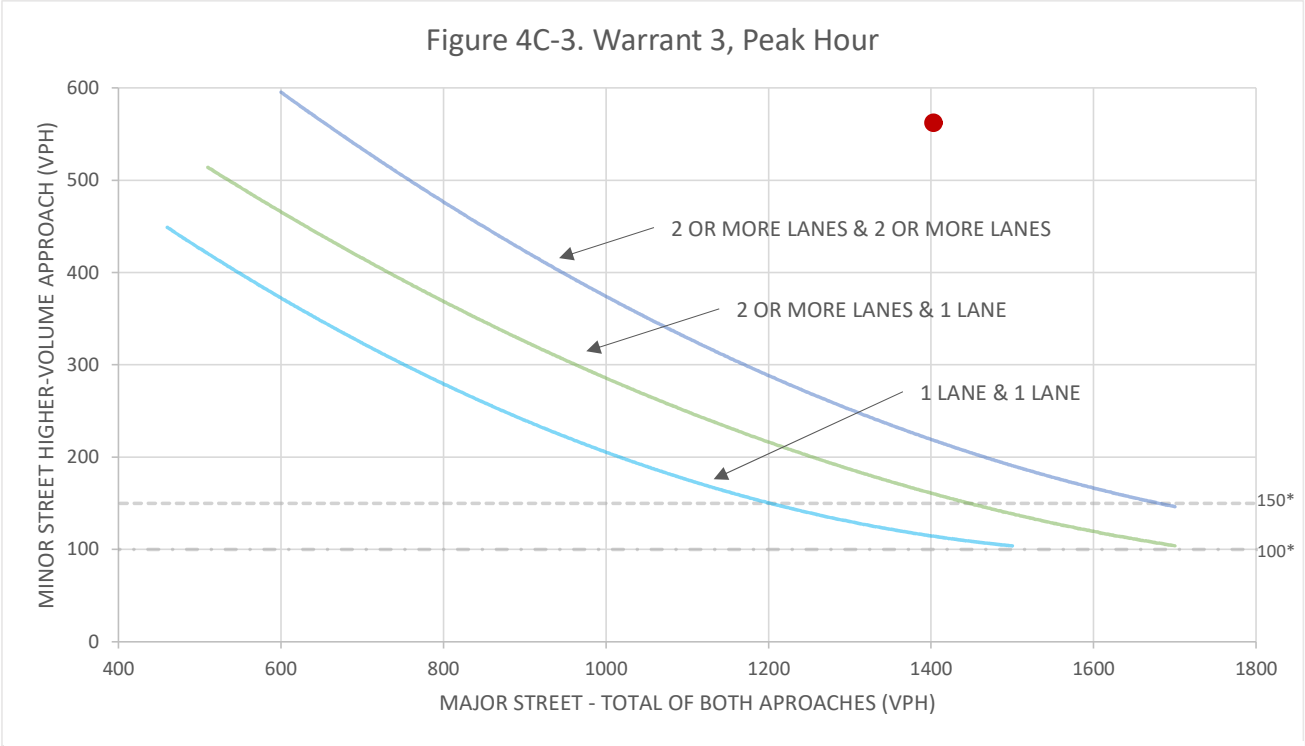
Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	US Highway 395	Poplar Street	
Number of Approach Lanes	2	2	Yes
Traffic Volume (VPH)*	4,528	840	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	4		
Scenario	Horizon Year (2040)	**Major Street**	Poplar Street	☐	☑
Peak Hour	PM	**Minor Street**	Lassen Road	☑	☐



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

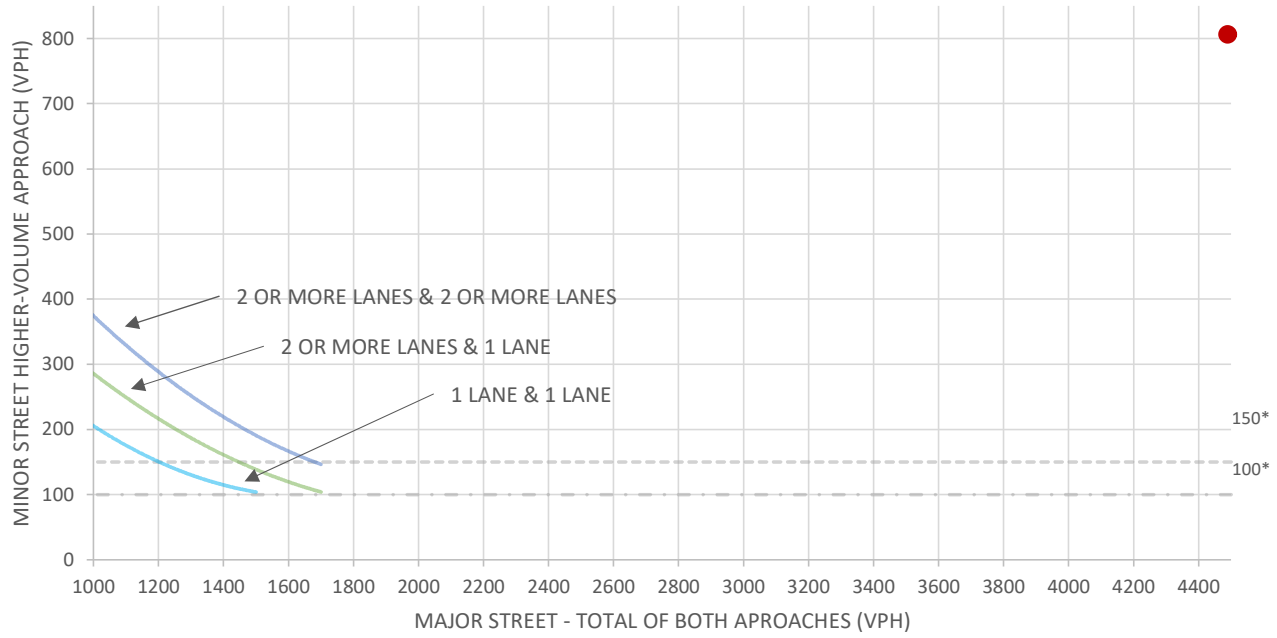
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	Poplar Street	Lassen Road	
Number of Approach Lanes	2	2	**Yes**
Traffic Volume (VPH)*	1,403	562	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	3	☑	☐
Scenario	Horizon Year (2040) plus Project	**Major Street**	US Highway 395	☐	☑
Peak Hour	AM	**Minor Street**	Poplar Street		

Figure 4C-3. Warrant 3, Peak Hour



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

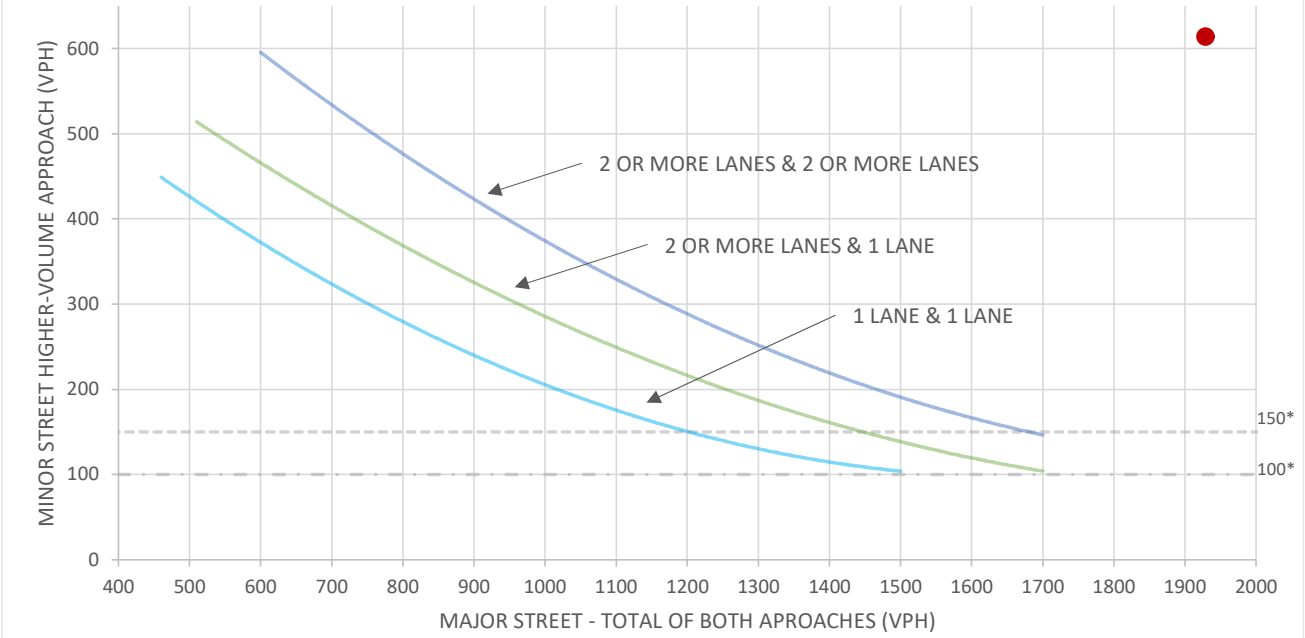
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	US Highway 395	Poplar Street	
Number of Approach Lanes	2	2	Yes
Traffic Volume (VPH)*	4,490	806	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	4		
Scenario	Horizon Year (2040) plus Project	**Major Street**	Poplar Street	☐	☑
Peak Hour	AM	**Minor Street**	Lassen Road	☑	☐

Figure 4C-3. Warrant 3, Peak Hour



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

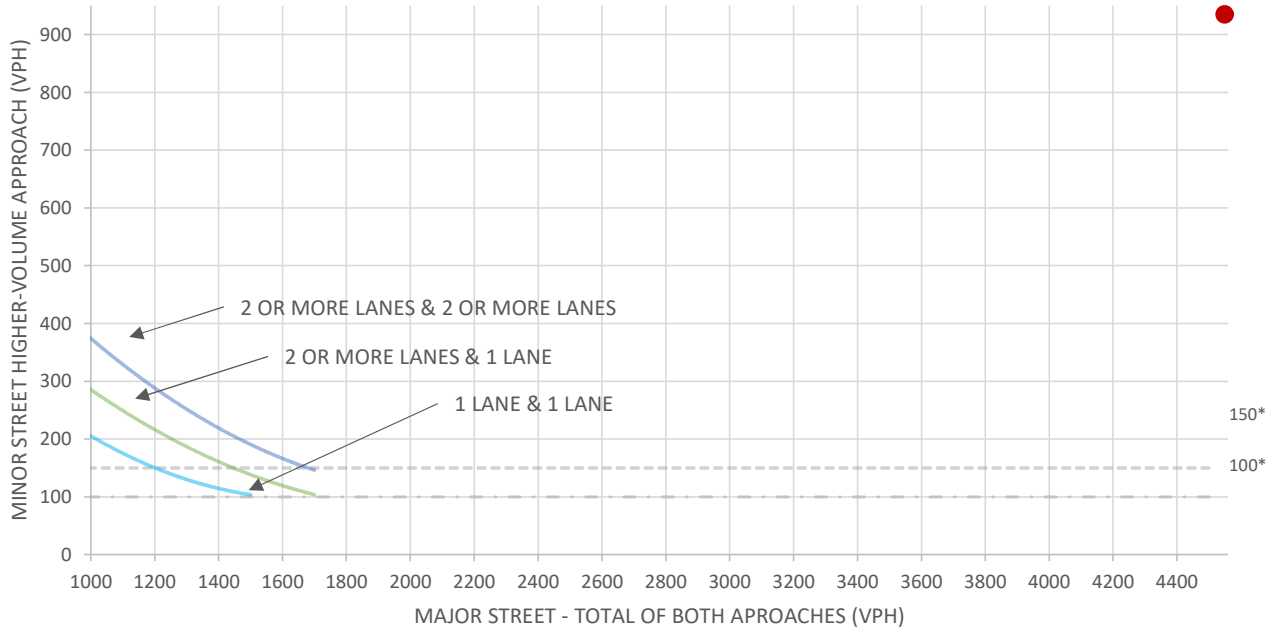
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	Poplar Street	Lassen Road	
Number of Approach Lanes	2	2	**Yes**
Traffic Volume (VPH)*	1,929	614	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	3	☑	☐
Scenario	Horizon Year (2040) plus Project	**Major Street**	US Highway 395	☐	☑
Peak Hour	PM	**Minor Street**	Poplar Street		

Figure 4C-3. Warrant 3, Peak Hour



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

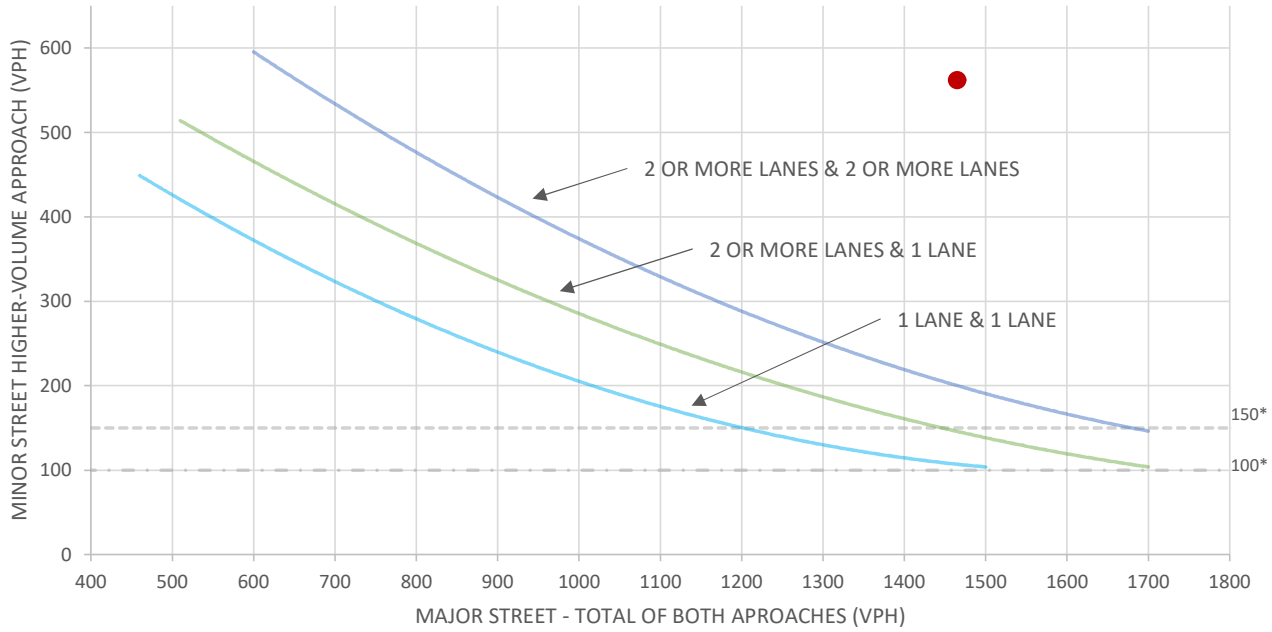
*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	US Highway 395	Poplar Street	
Number of Approach Lanes	2	2	Yes
Traffic Volume (VPH)*	4,550	935	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

				N-S	E-W
Project	Poplar 18 Industrial Park Project	**Intersection #**	4	☐	☑
Scenario	Horizon Year (2040) plus Project	**Major Street**	Poplar Street	☐	☑
Peak Hour	PM	**Minor Street**	Lassen Road	☑	☐

Figure 4C-3. Warrant 3, Peak Hour



Source: California Manual on Uniform Traffic Control Devices, Caltrans, 2014.

*Note: 150 vph applies as the lower threshold volumes for a minor-street approach with two or more lanes and a 100 vph applies as the lower threshold volumes for a minor-street approach with one lane.

	Major Street	**Minor Street**	**Warrant Met?**
	Poplar Street	Lassen Road	
Number of Approach Lanes	2	2	Yes
Traffic Volume (VPH)*	1,465	562	

*Note:
Traffic volume for the Major Street approach is the total volume of both approaches.
Traffic volume for the Minor Street is the highest volume approach.

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	EB	WB	WB	WB	WB	B71	B71	NB	NB
Directions Served	L	T	T	TR	L	T	T	R	T	T	L	L
Maximum Queue (ft)	119	246	261	286	269	746	753	477	123	123	174	305
Average Queue (ft)	53	155	172	192	27	489	497	187	4	4	92	176
95th Queue (ft)	98	219	237	270	133	787	796	361	88	88	164	334
Link Distance (ft)		5791	5791	5791		2157	2157	2157	558	558		
Upstream Blk Time (%)									0	0		
Queuing Penalty (veh)									0	0		
Storage Bay Dist (ft)	340				245						280	280
Storage Blk Time (%)						44						0
Queuing Penalty (veh)						5						0

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	NB	NB	NB	B69	B69	SB	SB	SB	SB	B47		
Directions Served	T	T	TR	T		L	L	T	TR	T		
Maximum Queue (ft)	434	393	264	334	5	166	265	1469	1470	4986		
Average Queue (ft)	287	232	160	23	0	93	253	1452	1423	4129		
95th Queue (ft)	407	336	245	203	3	154	325	1546	1569	6817		
Link Distance (ft)	500	500	500	812	812			1399	1399	4971		
Upstream Blk Time (%)								49	28	63		
Queuing Penalty (veh)								0	0	0		
Storage Bay Dist (ft)						240	240					
Storage Blk Time (%)	12						0	75				
Queuing Penalty (veh)	26						1	291				

Intersection: 3: US Hwy 395 & Poplar Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	B33	B33
Directions Served	L	TR	L	T	R	L	T	TR	L	TR	T	
Maximum Queue (ft)	35	57	189	61	52	198	422	366	191	363	553	530
Average Queue (ft)	5	22	99	11	16	62	208	194	63	129	195	76
95th Queue (ft)	24	52	164	41	44	164	369	352	119	298	598	374
Link Distance (ft)	375	375		546	546		1953	1953		812	500	500
Upstream Blk Time (%)											1	0
Queuing Penalty (veh)											9	2
Storage Bay Dist (ft)			275			200			375			
Storage Blk Time (%)							7			0		
Queuing Penalty (veh)							5			0		

Intersection: 4: Lassen Road & Poplar Street

Movement	EB	EB	WB	NB	SB
Directions Served	L	TR	LTR	LTR	LTR
Maximum Queue (ft)	61	162	172	58	37
Average Queue (ft)	39	69	92	28	22
95th Queue (ft)	59	120	144	50	42
Link Distance (ft)	299	299	757	831	214
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	SB	SB
Directions Served	L	R
Maximum Queue (ft)	35	579
Average Queue (ft)	7	126
95th Queue (ft)	27	419
Link Distance (ft)		1430
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	25	
Storage Blk Time (%)	1	
Queuing Penalty (veh)	7	

Zone Summary

Zone wide Queuing Penalty: 347

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	L	T	T	TR	L	T	T	R	L	L	T	T
Maximum Queue (ft)	364	1429	1436	1465	269	504	520	337	184	305	549	521
Average Queue (ft)	193	944	965	988	26	318	328	146	89	236	400	361
95th Queue (ft)	464	1684	1709	1722	126	488	502	274	154	395	558	525
Link Distance (ft)		5791	5791	5791		2156	2156	2156			500	500
Upstream Blk Time (%)											5	1
Queuing Penalty (veh)											26	5
Storage Bay Dist (ft)	340				245				280	280		
Storage Blk Time (%)	0	63				23				0	36	
Queuing Penalty (veh)	0	38				3				0	97	

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	NB	B33	B69	B69	SB	SB	SB	SB	B47
Directions Served	TR	T	T		L	L	T	TR	T
Maximum Queue (ft)	525	614	821	829	252	265	1543	1542	4913
Average Queue (ft)	286	96	616	437	198	262	1483	1416	2942
95th Queue (ft)	469	509	1101	1028	277	298	1738	1735	6199
Link Distance (ft)	500	2543	783	783			1473	1473	4898
Upstream Blk Time (%)	0		3	1			37	5	17
Queuing Penalty (veh)	1		22	6			0	0	0
Storage Bay Dist (ft)					240	240			
Storage Blk Time (%)					7	12	59		
Queuing Penalty (veh)					38	61	367		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	EB	EB	WB	WB	WB	B14	B95	NB	NB	NB	SB	SB
Directions Served	L	TR	L	T	R	T	T	L	T	TR	L	TR
Maximum Queue (ft)	96	112	300	560	112	117	64	184	1974	1976	337	829
Average Queue (ft)	29	48	284	326	46	36	13	19	1470	1461	72	554
95th Queue (ft)	73	94	333	749	91	183	101	111	2311	2334	278	998
Link Distance (ft)	359	359		546	546	226	313		1953	1953		783
Upstream Blk Time (%)				17		7	0		4	5		21
Queuing Penalty (veh)				41		16	1		35	41		267
Storage Bay Dist (ft)			275					200			375	
Storage Blk Time (%)			43	0					66			30
Queuing Penalty (veh)			0	0					3			13

Intersection: 3: US Hwy 395 & Poplar Street

Movement	B69	B33	B33
Directions Served	T	T	
Maximum Queue (ft)	1575	555	549
Average Queue (ft)	400	281	125
95th Queue (ft)	1724	694	481
Link Distance (ft)	2543	500	500
Upstream Blk Time (%)	6	3	1
Queuing Penalty (veh)	71	19	8
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 4: Lassen Road & Poplar Street

Movement	EB	EB	WB	NB	SB
Directions Served	L	TR	LTR	LTR	LTR
Maximum Queue (ft)	43	94	145	60	52
Average Queue (ft)	17	49	77	37	31
95th Queue (ft)	43	76	120	57	45
Link Distance (ft)		313	757	831	213
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)	100				
Storage Blk Time (%)		0			
Queuing Penalty (veh)		0			

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	SB	SB
Directions Served	L	R
Maximum Queue (ft)	40	65
Average Queue (ft)	22	7
95th Queue (ft)	40	47
Link Distance (ft)		1430
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	25	
Storage Blk Time (%)	10	
Queuing Penalty (veh)	35	

Zone Summary

Zone wide Queuing Penalty: 1214

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	WB	NB
Directions Served	L	T	T	T	R	L	T	T	T	R	R	L
Maximum Queue (ft)	190	289	316	322	267	269	397	391	382	407	193	190
Average Queue (ft)	90	186	201	205	125	32	277	285	276	210	31	96
95th Queue (ft)	162	259	279	292	217	120	375	379	369	349	106	164
Link Distance (ft)		5777	5777	5777	5777		2142	2142	2142	2142	2142	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	340					245						280
Storage Blk Time (%)							17					
Queuing Penalty (veh)							4					

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	NB	NB	NB	NB	NB	B69	B69	SB	SB	SB	SB	SB
Directions Served	L	T	T	T	TR	T		L	L	T	T	TR
Maximum Queue (ft)	305	507	486	374	93	675	688	102	265	1406	1406	1374
Average Queue (ft)	208	326	258	168	22	391	186	36	242	1397	1356	1278
95th Queue (ft)	367	470	413	283	60	899	649	83	352	1439	1422	1453
Link Distance (ft)		486	486	486	486	644	644			1336	1336	1336
Upstream Blk Time (%)		1	0	0		3	1			58	10	2
Queuing Penalty (veh)		3	1	0		11	3			0	0	0
Storage Bay Dist (ft)	280							240	240			
Storage Blk Time (%)	0	20							0	85		
Queuing Penalty (veh)	0	41							1	322		

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	B47
Directions Served	T
Maximum Queue (ft)	5024
Average Queue (ft)	4344
95th Queue (ft)	6740
Link Distance (ft)	5009
Upstream Blk Time (%)	67
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: US Hwy 395 & Poplar Street

Movement	EB	EB	WB	WB	WB	B14	B14	B95	B95	NB	NB	NB
Directions Served	L	TR	L	LTR	R	T	T	T	T	L	T	T
Maximum Queue (ft)	30	49	300	593	432	283	243	354	330	225	547	528
Average Queue (ft)	5	19	292	582	44	261	85	274	194	105	294	243
95th Queue (ft)	23	46	346	661	283	380	231	457	423	236	507	463
Link Distance (ft)	366	366		522	522	211	211	323	323		1953	1953
Upstream Blk Time (%)				73	2	76	2	17	2			
Queuing Penalty (veh)				283	8	292	8	65	7			
Storage Bay Dist (ft)			275							200		
Storage Blk Time (%)			1	73						0	23	
Queuing Penalty (veh)			3	124						0	16	

Intersection: 3: US Hwy 395 & Poplar Street

Movement	NB	NB	SB	SB	SB	SB	B33	B33
Directions Served	T	R	L	L	T	TR	T	
Maximum Queue (ft)	235	261	142	149	235	243	530	537
Average Queue (ft)	21	118	61	71	101	122	305	193
95th Queue (ft)	158	219	107	123	192	213	700	590
Link Distance (ft)	1953	1953			644	644	486	486
Upstream Blk Time (%)							3	1
Queuing Penalty (veh)							34	9
Storage Bay Dist (ft)			375	375				
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 4: Lassen Road & Poplar Street

Movement	EB	EB	EB	EB	WB	WB	NB	NB	SB
Directions Served	L	T	T	R	L	TR	L	TR	LTR
Maximum Queue (ft)	125	340	305	198	405	432	822	822	90
Average Queue (ft)	119	208	130	90	246	204	569	360	32
95th Queue (ft)	143	309	233	168	388	370	1000	990	65
Link Distance (ft)		323	323	323	750	750	806	806	215
Upstream Blk Time (%)		1	0				39	31	
Queuing Penalty (veh)		2	0				0	0	
Storage Bay Dist (ft)	100								
Storage Blk Time (%)	35	37							
Queuing Penalty (veh)	96	101							

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	T	R	L	T
Maximum Queue (ft)	69	84	230	16	74	158	437	450	373	126	112	112
Average Queue (ft)	21	33	126	1	27	31	173	194	208	52	48	44
95th Queue (ft)	54	68	200	9	59	85	324	341	331	105	95	87
Link Distance (ft)	289	289		599	599		880	880	880	880		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			245			190					225	225
Storage Blk Time (%)			0			0	4					
Queuing Penalty (veh)			0			0	1					

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	SB	SB	SB
Directions Served	T	T	R
Maximum Queue (ft)	132	177	26
Average Queue (ft)	54	79	6
95th Queue (ft)	107	145	19
Link Distance (ft)	1953	1953	
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			225
Storage Blk Time (%)		0	
Queuing Penalty (veh)		0	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	L	L	T	TR	L	T	R	R	L	T	T	T
Maximum Queue (ft)	98	160	100	56	115	234	250	260	214	441	498	564
Average Queue (ft)	10	71	41	17	44	109	141	71	60	269	274	302
95th Queue (ft)	60	138	87	47	98	195	224	180	168	425	469	518
Link Distance (ft)			244	244	393	393	393	393		1709	1709	1709
Upstream Blk Time (%)								0				
Queuing Penalty (veh)								1				
Storage Bay Dist (ft)	190	190							190			
Storage Blk Time (%)		0							0	21		9
Queuing Penalty (veh)		0							0	12		9

Intersection: 6: US Hwy 395 & Joshua Street

Movement	NB	SB	SB	SB	SB	SB
Directions Served	R	L	T	T	T	R
Maximum Queue (ft)	355	227	248	207	200	98
Average Queue (ft)	64	111	96	103	112	36
95th Queue (ft)	283	188	187	183	188	91
Link Distance (ft)			880	880	880	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	330	220				270
Storage Blk Time (%)	0	1	0			
Queuing Penalty (veh)	0	7	0			

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	SB	SB
Directions Served	L	R
Maximum Queue (ft)	25	175
Average Queue (ft)	8	33
95th Queue (ft)	24	118
Link Distance (ft)		1403
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	25	
Storage Blk Time (%)	1	
Queuing Penalty (veh)	8	

Zone Summary

Zone wide Queuing Penalty: 1471

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	WB	NB
Directions Served	L	T	T	T	R	L	T	T	T	R	R	L
Maximum Queue (ft)	111	302	310	304	146	42	256	252	234	294	135	151
Average Queue (ft)	46	199	215	209	56	9	144	151	140	150	20	75
95th Queue (ft)	94	266	282	279	109	30	222	226	215	257	79	131
Link Distance (ft)		5777	5777	5777	5777		2142	2142	2142	2142	2142	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	340					245						280
Storage Blk Time (%)		0					0					
Queuing Penalty (veh)		0					0					

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	NB	NB	NB	NB	NB	B33	B69	B69	SB	SB	SB	SB
Directions Served	L	T	T	T	TR	T	T		L	L	T	T
Maximum Queue (ft)	305	492	487	413	101	29	687	694	250	265	1394	1394
Average Queue (ft)	217	364	282	203	33	1	627	543	153	263	1345	1278
95th Queue (ft)	389	497	437	348	78	16	806	894	249	284	1538	1557
Link Distance (ft)		486	486	486	486	2683	638	638			1324	1324
Upstream Blk Time (%)		0	0	0			7	3			37	5
Queuing Penalty (veh)		4	1	0			76	27			0	0
Storage Bay Dist (ft)	280								240	240		
Storage Blk Time (%)	0	25							2	5	63	
Queuing Penalty (veh)	0	103							8	25	405	

Intersection: 1: US Hwy 395 & Phelan Road/Main Street

Movement	SB	B47
Directions Served	TR	T
Maximum Queue (ft)	1331	5036
Average Queue (ft)	940	2615
95th Queue (ft)	1611	6168
Link Distance (ft)	1324	5021
Upstream Blk Time (%)	0	21
Queuing Penalty (veh)	0	0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: US Hwy 395 & Poplar Street

Movement	EB	EB	WB	WB	WB	B14	B14	B95	B95	NB	NB	NB
Directions Served	L	TR	L	LTR	R	T	T	T	T	L	T	T
Maximum Queue (ft)	70	58	300	593	588	283	282	361	367	225	1990	2004
Average Queue (ft)	26	29	295	593	275	278	214	328	295	63	1966	1975
95th Queue (ft)	60	56	324	598	679	333	343	412	442	217	2013	2020
Link Distance (ft)	367	367		522	522	211	211	323	323		1953	1953
Upstream Blk Time (%)				74	9	86	28	41	15		42	57
Queuing Penalty (veh)				342	41	395	129	189	70		307	419
Storage Bay Dist (ft)			275							200		
Storage Blk Time (%)			10	70							78	
Queuing Penalty (veh)			46	181							29	

Intersection: 3: US Hwy 395 & Poplar Street

Movement	NB	NB	SB	SB	SB	SB	B33	B33
Directions Served	T	R	L	L	T	TR	T	
Maximum Queue (ft)	2013	2003	262	338	372	212	554	528
Average Queue (ft)	1974	1598	122	160	101	101	234	113
95th Queue (ft)	2034	2694	240	271	234	197	642	457
Link Distance (ft)	1953	1953			638	638	486	486
Upstream Blk Time (%)	49	14					2	1
Queuing Penalty (veh)	361	102					11	3
Storage Bay Dist (ft)			375	375				
Storage Blk Time (%)			0	0	0			
Queuing Penalty (veh)			0	3	0			

Intersection: 4: Lassen Road & Poplar Street

Movement	EB	EB	EB	EB	WB	WB	B46	B46	B17	B17	NB	NB
Directions Served	L	T	T	R	L	TR	T	T	T	T	L	TR
Maximum Queue (ft)	84	173	174	194	774	809	383	382	90	96	819	819
Average Queue (ft)	29	89	91	73	448	599	132	135	12	11	714	627
95th Queue (ft)	72	151	154	150	962	995	487	493	82	75	1073	1174
Link Distance (ft)		323	323	323	750	750	545	545	153	153	804	804
Upstream Blk Time (%)					26	35	8	9	3	2	73	65
Queuing Penalty (veh)					84	115	28	28	10	8	0	0
Storage Bay Dist (ft)	100											
Storage Blk Time (%)	0	13										
Queuing Penalty (veh)	1	6										

Intersection: 4: Lassen Road & Poplar Street

Movement	SB
Directions Served	LTR
Maximum Queue (ft)	226
Average Queue (ft)	121
95th Queue (ft)	231
Link Distance (ft)	215
Upstream Blk Time (%)	8
Queuing Penalty (veh)	19
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	T	R	L	T
Maximum Queue (ft)	170	70	267	614	614	214	918	922	942	872	192	221
Average Queue (ft)	71	26	170	351	517	64	859	862	860	347	83	87
95th Queue (ft)	139	57	272	837	777	218	1083	1076	1093	974	146	180
Link Distance (ft)	289	289		599	599		880	880	880	880		
Upstream Blk Time (%)				28	50		33	39	53	1		
Queuing Penalty (veh)				0	0		205	248	334	8		
Storage Bay Dist (ft)			245			190					225	225
Storage Blk Time (%)			5				92				0	0
Queuing Penalty (veh)			1				33				0	2

Intersection: 5: US Hwy 395 & Three Flags Road

Movement	SB	SB	SB
Directions Served	T	T	R
Maximum Queue (ft)	192	214	22
Average Queue (ft)	78	94	6
95th Queue (ft)	158	178	20
Link Distance (ft)	1953	1953	
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			225
Storage Blk Time (%)	0	0	
Queuing Penalty (veh)	0	0	

Intersection: 6: US Hwy 395 & Joshua Street

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	L	L	T	TR	L	T	R	R	L	T	T	T
Maximum Queue (ft)	202	215	259	238	289	323	410	473	215	1724	1724	1724
Average Queue (ft)	183	212	257	69	121	190	351	403	76	1527	1520	1513
95th Queue (ft)	223	218	264	195	261	410	490	649	238	2221	2223	2238
Link Distance (ft)			244	244	393	393	393	393		1709	1709	1709
Upstream Blk Time (%)			95	1	0		38	72		65	67	76
Queuing Penalty (veh)			0	0	0		77	147		0	0	0
Storage Bay Dist (ft)	190	190							190			
Storage Blk Time (%)	11	95	0						0	93		90
Queuing Penalty (veh)	17	156	0						0	39		86

Intersection: 6: US Hwy 395 & Joshua Street

Movement	NB	SB	SB	SB	SB	SB
Directions Served	R	L	T	T	T	R
Maximum Queue (ft)	355	245	652	548	327	189
Average Queue (ft)	189	229	387	256	199	13
95th Queue (ft)	480	283	679	470	292	109
Link Distance (ft)			880	880	880	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	330	220				270
Storage Blk Time (%)	0	53	0		2	0
Queuing Penalty (veh)	0	266	1		1	0

Intersection: 7: Joshua Street & I-15 SB Off-Ramp

Movement	EB	EB	WB	SB	SB
Directions Served	T	T	T	L	R
Maximum Queue (ft)	25	25	757	50	1418
Average Queue (ft)	2	1	245	22	1044
95th Queue (ft)	18	14	776	59	1937
Link Distance (ft)	393	393	919		1403
Upstream Blk Time (%)			4		60
Queuing Penalty (veh)			13		0
Storage Bay Dist (ft)				25	
Storage Blk Time (%)				4	
Queuing Penalty (veh)				19	

Zone Summary

Zone wide Queuing Penalty: 5231



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	15	10	835	94	51	1059
Future Volume (veh/h)	15	10	835	94	51	1059
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	16	11	898	101	55	1139
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	0	0	0	0	0	0
Cap, veh/h	59	92	1829	206	104	1394
Arrive On Green	0.03	0.03	0.56	0.56	0.06	0.73
Sat Flow, veh/h	1810	2834	3366	368	1810	1900
Grp Volume(v), veh/h	16	11	496	503	55	1139
Grp Sat Flow(s),veh/h/ln	1810	1417	1805	1834	1810	1900
Q Serve(g_s), s	0.3	0.1	6.4	6.4	1.1	15.3
Cycle Q Clear(g_c), s	0.3	0.1	6.4	6.4	1.1	15.3
Prop In Lane	1.00	1.00		0.20	1.00	
Lane Grp Cap(c), veh/h	59	92	1009	1025	104	1394
V/C Ratio(X)	0.27	0.12	0.49	0.49	0.53	0.82
Avail Cap(c_a), veh/h	846	1325	1964	1995	310	2615
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	18.2	18.1	5.2	5.2	17.6	3.4
Incr Delay (d2), s/veh	2.4	0.6	0.4	0.4	4.1	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	0.6	0.6	0.5	0.5
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	20.6	18.7	5.5	5.5	21.7	4.6
LnGrp LOS	C	B	A	A	C	A
Approach Vol, veh/h	27		999			1194
Approach Delay, s/veh	19.8		5.5			5.4
Approach LOS	B		A			A

Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	6.7	26.0			32.8	5.8
Change Period (Y+Rc), s	4.5	4.5			4.5	4.5
Max Green Setting (Gmax), s	6.6	41.9			53.0	18.0
Max Q Clear Time (g_c+I1), s	3.1	8.4			17.3	2.3
Green Ext Time (p_c), s	0.0	6.2			10.9	0.0

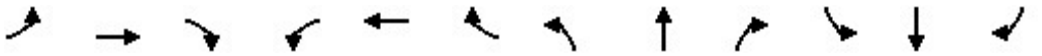
Intersection Summary	
HCM 6th Ctrl Delay	5.6
HCM 6th LOS	A



Movement	WBL	WBR	NBT	NBR	SBL	SBT	
Lane Configurations							
Traffic Volume (veh/h)	81	38	1306	54	24	870	
Future Volume (veh/h)	81	38	1306	54	24	870	
Initial Q (Qb), veh	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00		
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	
Work Zone On Approach	No		No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	
Adj Flow Rate, veh/h	83	39	1333	55	24	888	
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	
Percent Heavy Veh, %	0	0	0	0	0	0	
Cap, veh/h	135	212	2340	96	50	1460	
Arrive On Green	0.07	0.07	0.66	0.66	0.03	0.77	
Sat Flow, veh/h	1810	2834	3628	146	1810	1900	
Grp Volume(v), veh/h	83	39	680	708	24	888	
Grp Sat Flow(s),veh/h/ln	1810	1417	1805	1874	1810	1900	
Q Serve(g_s), s	2.6	0.7	11.7	11.8	0.7	11.7	
Cycle Q Clear(g_c), s	2.6	0.7	11.7	11.8	0.7	11.7	
Prop In Lane	1.00	1.00		0.08	1.00		
Lane Grp Cap(c), veh/h	135	212	1195	1241	50	1460	
V/C Ratio(X)	0.61	0.18	0.57	0.57	0.48	0.61	
Avail Cap(c_a), veh/h	568	889	1195	1241	158	1460	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	
Uniform Delay (d), s/veh	25.7	24.9	5.2	5.3	27.5	2.9	
Incr Delay (d2), s/veh	4.5	0.4	2.0	1.9	6.9	1.9	
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	
%ile BackOfQ(50%),veh/ln	1.2	0.2	2.1	2.2	0.4	0.8	
Unsig. Movement Delay, s/veh							
LnGrp Delay(d),s/veh	30.2	25.3	7.2	7.2	34.4	4.8	
LnGrp LOS	C	C	A	A	C	A	
Approach Vol, veh/h	122		1388			912	
Approach Delay, s/veh	28.6		7.2			5.6	
Approach LOS	C		A			A	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	6.1	42.5				48.6	8.8
Change Period (Y+Rc), s	4.5	4.5				4.5	4.5
Max Green Setting (Gmax), s	5.0	38.0				38.0	18.0
Max Q Clear Time (g_c+I1), s	2.7	13.8				13.7	4.6
Green Ext Time (p_c), s	0.0	9.1				6.1	0.3

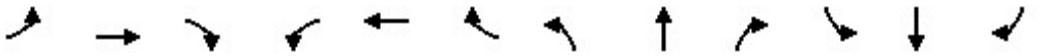
Intersection Summary		
HCM 6th Ctrl Delay	7.7	
HCM 6th LOS	A	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	0	29	119	8	25	71	1160	550	111	1298	29
Future Volume (veh/h)	5	0	29	119	8	25	71	1160	550	111	1298	29
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1800	1800	1800	1900	1800	1900	1800	1900	1900	1900	1900	1800
Adj Flow Rate, veh/h	5	0	32	128	9	27	77	1247	591	119	1396	32
Peak Hour Factor	0.92	0.92	0.92	0.93	0.92	0.93	0.92	0.93	0.93	0.93	0.93	0.92
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	11	0	55	156	46	137	86	1604	714	143	1276	29
Arrive On Green	0.01	0.00	0.04	0.09	0.12	0.12	0.05	0.66	0.66	0.08	0.69	0.69
Sat Flow, veh/h	1714	0	1525	1810	396	1189	1714	2429	1082	1810	1850	42
Grp Volume(v), veh/h	5	0	32	128	0	36	77	906	932	119	0	1428
Grp Sat Flow(s),veh/h/ln	1714	0	1525	1810	0	1586	1714	1805	1705	1810	0	1892
Q Serve(g_s), s	0.4	0.0	2.7	9.0	0.0	2.7	5.8	44.5	53.1	8.4	0.0	89.5
Cycle Q Clear(g_c), s	0.4	0.0	2.7	9.0	0.0	2.7	5.8	44.5	53.1	8.4	0.0	89.5
Prop In Lane	1.00		1.00	1.00		0.75	1.00		0.63	1.00		0.02
Lane Grp Cap(c), veh/h	11	0	55	156	0	183	86	1192	1126	143	0	1305
V/C Ratio(X)	0.46	0.00	0.59	0.82	0.00	0.20	0.90	0.76	0.83	0.83	0.00	1.09
Avail Cap(c_a), veh/h	66	0	212	251	0	379	86	1192	1126	159	0	1305
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	64.3	0.0	61.6	58.3	0.0	52.0	61.3	15.0	16.5	58.9	0.0	20.2
Incr Delay (d2), s/veh	27.2	0.0	9.6	10.9	0.0	0.5	64.2	2.9	5.2	27.3	0.0	54.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.2	4.6	0.0	1.1	4.0	15.9	18.5	4.8	0.0	50.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	91.5	0.0	71.3	69.3	0.0	52.5	125.5	18.0	21.8	86.2	0.0	75.0
LnGrp LOS	F	A	E	E	A	D	F	B	C	F	A	F
Approach Vol, veh/h		37			164			1915			1547	
Approach Delay, s/veh		74.0			65.6			24.1			75.9	
Approach LOS		E			E			C			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.8	90.2	15.7	9.1	11.0	94.0	5.3	19.5
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	11.4	84.6	18.0	18.0	6.5	89.5	5.0	31.0
Max Q Clear Time (g_c+I1), s	10.4	55.1	11.0	4.7	7.8	91.5	2.4	4.7
Green Ext Time (p_c), s	0.0	16.0	0.2	0.1	0.0	0.0	0.0	0.1

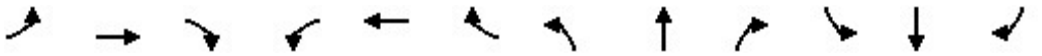
Intersection Summary	
HCM 6th Ctrl Delay	48.3
HCM 6th LOS	D



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	438	0	91	0	1584	155	42	1214	0
Future Volume (veh/h)	0	0	0	438	0	91	0	1584	155	42	1214	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1772	1772	1772	1900	1772	1900	1772	1900	1900	1900	1900	1772
Adj Flow Rate, veh/h	0	0	0	447	0	93	0	1616	158	43	1239	0
Peak Hour Factor	0.92	0.92	0.92	0.98	0.92	0.98	0.92	0.98	0.98	0.98	0.98	0.92
Percent Heavy Veh, %	2	2	2	0	2	0	2	0	0	0	0	2
Cap, veh/h	1	2	0	473	0	392	1	1964	190	58	1257	0
Arrive On Green	0.00	0.00	0.00	0.26	0.00	0.26	0.00	0.59	0.59	0.03	0.66	0.00
Sat Flow, veh/h	1688	1772	0	1810	0	1502	1688	3326	322	1810	1900	0
Grp Volume(v), veh/h	0	0	0	447	0	93	0	869	905	43	1239	0
Grp Sat Flow(s),veh/h/ln	1688	1772	0	1810	0	1502	1688	1805	1842	1810	1900	0
Q Serve(g_s), s	0.0	0.0	0.0	28.3	0.0	5.7	0.0	44.3	46.1	2.7	74.0	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	28.3	0.0	5.7	0.0	44.3	46.1	2.7	74.0	0.0
Prop In Lane	1.00		0.00	1.00		1.00	1.00		0.17	1.00		0.00
Lane Grp Cap(c), veh/h	1	2	0	473	0	392	1	1066	1088	58	1257	0
V/C Ratio(X)	0.00	0.00	0.00	0.95	0.00	0.24	0.00	0.81	0.83	0.74	0.99	0.00
Avail Cap(c_a), veh/h	72	273	0	489	0	573	72	1195	1219	82	1262	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	0.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	42.3	0.0	33.9	0.0	18.8	19.2	56.0	19.2	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	27.1	0.0	0.3	0.0	4.1	4.6	18.9	21.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	16.0	0.0	2.1	0.0	16.7	17.9	1.5	32.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.0	0.0	69.3	0.0	34.2	0.0	22.9	23.8	74.8	41.1	0.0
LnGrp LOS	A	A	A	E	A	C	A	C	C	E	D	A
Approach Vol, veh/h		0			540			1774			1282	
Approach Delay, s/veh		0.0			63.3			23.4			42.2	
Approach LOS					E			C			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.3	73.4	35.0	0.0	0.0	81.7	0.0	35.0
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	5.3	77.2	31.5	18.0	5.0	77.5	5.0	44.5
Max Q Clear Time (g_c+I1), s	4.7	48.1	30.3	0.0	0.0	76.0	0.0	7.7
Green Ext Time (p_c), s	0.0	14.6	0.2	0.0	0.0	1.1	0.0	0.6

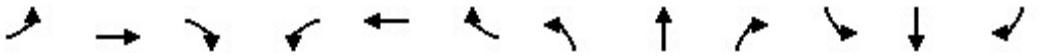
Intersection Summary	
HCM 6th Ctrl Delay	36.1
HCM 6th LOS	D



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	301	0	459	0	1131	313	422	2255	0
Future Volume (veh/h)	0	0	0	301	0	459	0	1131	313	422	2255	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1772	1772	1772	1900	1772	1900	1772	1900	1900	1900	1900	1772
Adj Flow Rate, veh/h	0	0	0	317	0	483	0	1191	329	444	2374	0
Peak Hour Factor	0.92	0.92	0.92	0.95	0.92	0.95	0.92	0.95	0.95	0.95	0.95	0.92
Percent Heavy Veh, %	2	2	2	0	2	0	2	0	0	0	0	2
Cap, veh/h	1	114	0	296	0	394	1	1345	366	282	1272	0
Arrive On Green	0.00	0.00	0.00	0.16	0.00	0.26	0.00	0.48	0.48	0.16	0.67	0.00
Sat Flow, veh/h	1688	1772	0	1810	0	1502	1688	2804	763	1810	1900	0
Grp Volume(v), veh/h	0	0	0	317	0	483	0	760	760	444	2374	0
Grp Sat Flow(s),veh/h/ln	1688	1772	0	1810	0	1502	1688	1805	1763	1810	1900	0
Q Serve(g_s), s	0.0	0.0	0.0	21.5	0.0	34.5	0.0	49.8	51.9	20.5	88.1	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	21.5	0.0	34.5	0.0	49.8	51.9	20.5	88.1	0.0
Prop In Lane	1.00		0.00	1.00		1.00	1.00		0.43	1.00		0.00
Lane Grp Cap(c), veh/h	1	114	0	296	0	394	1	865	845	282	1272	0
V/C Ratio(X)	0.00	0.00	0.00	1.07	0.00	1.23	0.00	0.88	0.90	1.58	1.87	0.00
Avail Cap(c_a), veh/h	64	242	0	296	0	394	64	988	964	282	1272	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	0.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	55.0	0.0	48.5	0.0	30.8	31.3	55.5	21.8	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	72.8	0.0	122.7	0.0	8.3	10.3	275.2	392.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	15.8	0.0	26.3	0.0	21.7	22.5	30.5	169.9	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.0	0.0	127.9	0.0	171.2	0.0	39.1	41.6	330.8	414.7	0.0
LnGrp LOS	A	A	A	F	A	F	A	D	D	F	F	A
Approach Vol, veh/h		0			800			1520			2818	
Approach Delay, s/veh		0.0			154.1			40.4			401.5	
Approach LOS					F			D			F	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	25.0	67.6	26.0	13.0	0.0	92.6	0.0	39.0
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	20.5	72.0	21.5	18.0	5.0	87.5	5.0	34.5
Max Q Clear Time (g_c+I1), s	22.5	53.9	23.5	0.0	0.0	90.1	0.0	36.5
Green Ext Time (p_c), s	0.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0

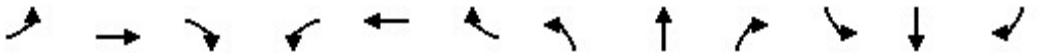
Intersection Summary	
HCM 6th Ctrl Delay	256.1
HCM 6th LOS	F



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	25	0	56	520	0	415	37	2742	197	423	1136	15
Future Volume (veh/h)	25	0	56	520	0	415	37	2742	197	423	1136	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1772	1772	1772	1900	1772	1900	1772	1900	1900	1900	1900	1772
Adj Flow Rate, veh/h	27	0	61	547	0	437	40	2886	207	445	1196	16
Peak Hour Factor	0.92	0.92	0.92	0.95	0.92	0.95	0.92	0.95	0.95	0.95	0.95	0.92
Percent Heavy Veh, %	2	2	2	0	2	0	2	0	0	0	0	2
Cap, veh/h	38	0	165	348	0	419	50	1545	109	226	1023	14
Arrive On Green	0.02	0.00	0.11	0.19	0.00	0.28	0.03	0.45	0.45	0.12	0.55	0.55
Sat Flow, veh/h	1688	0	1502	1810	0	1502	1688	3419	242	1810	1870	25
Grp Volume(v), veh/h	27	0	61	547	0	437	40	1507	1586	445	0	1212
Grp Sat Flow(s),veh/h/ln	1688	0	1502	1810	0	1502	1688	1805	1856	1810	0	1895
Q Serve(g_s), s	2.4	0.0	5.6	28.5	0.0	41.4	3.5	67.0	67.0	18.5	0.0	81.1
Cycle Q Clear(g_c), s	2.4	0.0	5.6	28.5	0.0	41.4	3.5	67.0	67.0	18.5	0.0	81.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.13	1.00		0.01
Lane Grp Cap(c), veh/h	38	0	165	348	0	419	50	816	839	226	0	1036
V/C Ratio(X)	0.71	0.00	0.37	1.57	0.00	1.04	0.79	1.85	1.89	1.97	0.00	1.17
Avail Cap(c_a), veh/h	58	0	182	348	0	419	57	816	839	226	0	1036
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	72.0	0.0	61.3	59.9	0.0	53.4	71.5	40.6	40.6	64.9	0.0	33.6
Incr Delay (d2), s/veh	21.2	0.0	1.4	271.1	0.0	55.3	48.0	386.0	405.3	452.5	0.0	86.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	0.0	2.2	39.3	0.0	22.0	2.1	115.1	122.9	36.6	0.0	58.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	93.1	0.0	62.6	331.0	0.0	108.8	119.5	426.6	445.9	517.3	0.0	120.3
LnGrp LOS	F	A	E	F	A	F	F	F	F	F	A	F
Approach Vol, veh/h		88			984			3133			1657	
Approach Delay, s/veh		72.0			232.3			432.5			227.0	
Approach LOS		E			F			F			F	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	23.0	71.5	33.0	20.8	8.9	85.6	7.9	45.9
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	18.5	67.0	28.5	18.0	5.0	80.5	5.1	41.4
Max Q Clear Time (g_c+I1), s	20.5	69.0	30.5	7.6	5.5	83.1	4.4	43.4
Green Ext Time (p_c), s	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	335.4
HCM 6th LOS	F



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	63	880	207	12	1164	555	205	978	11	388	1221	43
Future Volume (veh/h)	63	880	207	12	1164	555	205	978	11	388	1221	43
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	66	917	216	12	1212	578	214	1019	11	404	1272	45
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	21	1079	253	183	1250	768	244	1597	17	459	1291	46
Arrive On Green	0.01	0.26	0.28	0.10	0.35	0.35	0.07	0.30	0.30	0.13	0.36	0.36
Sat Flow, veh/h	1810	4196	985	1810	3610	1610	3510	5291	57	3510	3557	126
Grp Volume(v), veh/h	66	755	378	12	1212	578	214	666	364	404	645	672
Grp Sat Flow(s),veh/h/ln	1810	1729	1723	1810	1805	1610	1755	1729	1890	1755	1805	1877
Q Serve(g_s), s	1.5	27.2	27.2	0.8	43.2	26.3	7.9	21.8	21.8	14.8	46.3	46.5
Cycle Q Clear(g_c), s	1.5	27.2	27.2	0.8	43.2	26.3	7.9	21.8	21.8	14.8	46.3	46.5
Prop In Lane	1.00		0.57	1.00		1.00	1.00		0.03	1.00		0.07
Lane Grp Cap(c), veh/h	21	889	443	183	1250	768	244	1044	570	459	655	682
V/C Ratio(X)	3.09	0.85	0.85	0.07	0.97	0.75	0.88	0.64	0.64	0.88	0.98	0.99
Avail Cap(c_a), veh/h	79	1216	606	183	1250	768	244	1044	570	523	655	682
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	64.6	46.2	45.4	53.2	42.1	13.7	60.3	39.5	39.5	55.9	41.3	41.3
Incr Delay (d2), s/veh	1022.3	4.3	8.6	0.1	18.6	4.2	27.7	1.4	2.6	14.1	31.1	30.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.8	11.6	12.0	0.4	21.2	9.1	4.3	9.0	10.0	7.2	24.9	25.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1087.0	50.5	54.0	53.4	60.7	17.9	88.0	40.9	42.0	69.9	72.4	72.2
LnGrp LOS	F	D	D	D	E	B	F	D	D	E	E	E
Approach Vol, veh/h		1199			1802			1244			1721	
Approach Delay, s/veh		108.7			46.9			49.3			71.7	
Approach LOS		F			D			D			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	17.9	44.1	13.8	55.0	9.2	52.8	21.8	47.0
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	5.0	* 49	* 9.1	47.5	8.7	* 45	* 20	37.1
Max Q Clear Time (g_c+I1), s	2.8	30.2	9.9	48.5	4.5	45.2	16.8	23.8
Green Ext Time (p_c), s	0.0	6.5	0.0	0.0	0.0	0.1	0.3	5.6

Intersection Summary	
HCM 6th Ctrl Delay	67.0
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	0	29	119	8	25	71	1160	550	111	1298	29
Future Volume (veh/h)	5	0	29	119	8	25	71	1160	550	111	1298	29
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1800	1800	1800	1900	1800	1900	1800	1900	1900	1900	1900	1800
Adj Flow Rate, veh/h	5	0	32	128	9	27	77	1247	591	119	1396	32
Peak Hour Factor	0.92	0.92	0.92	0.93	0.92	0.93	0.92	0.93	0.93	0.93	0.93	0.92
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	11	0	55	156	208	186	86	1604	714	143	1276	29
Arrive On Green	0.01	0.00	0.04	0.09	0.12	0.12	0.05	0.66	0.66	0.08	0.69	0.69
Sat Flow, veh/h	1714	0	1525	1810	1800	1610	1714	2429	1082	1810	1850	42
Grp Volume(v), veh/h	5	0	32	128	9	27	77	906	932	119	0	1428
Grp Sat Flow(s),veh/h/ln	1714	0	1525	1810	1800	1610	1714	1805	1705	1810	0	1892
Q Serve(g_s), s	0.4	0.0	2.7	9.0	0.6	2.0	5.8	44.5	53.1	8.4	0.0	89.5
Cycle Q Clear(g_c), s	0.4	0.0	2.7	9.0	0.6	2.0	5.8	44.5	53.1	8.4	0.0	89.5
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.63	1.00		0.02
Lane Grp Cap(c), veh/h	11	0	55	156	208	186	86	1192	1126	143	0	1305
V/C Ratio(X)	0.46	0.00	0.59	0.82	0.04	0.15	0.90	0.76	0.83	0.83	0.00	1.09
Avail Cap(c_a), veh/h	66	0	212	251	430	385	86	1192	1126	159	0	1305
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	64.3	0.0	61.6	58.3	51.0	51.7	61.3	15.0	16.5	58.9	0.0	20.2
Incr Delay (d2), s/veh	27.2	0.0	9.6	10.9	0.1	0.4	64.2	4.6	7.0	27.3	0.0	54.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.2	4.6	0.3	0.8	4.0	16.5	19.1	4.8	0.0	50.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	91.5	0.0	71.3	69.3	51.1	52.0	125.5	19.6	23.5	86.2	0.0	75.0
LnGrp LOS	F	A	E	E	D	D	F	B	C	F	A	F
Approach Vol, veh/h		37			164			1915			1547	
Approach Delay, s/veh		74.0			65.4			25.8			75.9	
Approach LOS		E			E			C			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.8	90.2	15.7	9.1	11.0	94.0	5.3	19.5
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	11.4	84.6	18.0	18.0	6.5	89.5	5.0	31.0
Max Q Clear Time (g_c+I1), s	10.4	55.1	11.0	4.7	7.8	91.5	2.4	4.0
Green Ext Time (p_c), s	0.0	16.0	0.2	0.1	0.0	0.0	0.0	0.1

Intersection Summary	
HCM 6th Ctrl Delay	49.2
HCM 6th LOS	D

Intersection	
Intersection Delay, s/veh	24.3
Intersection LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	156	418	38	129	187	0	19	0	40	0	0	43
Future Vol, veh/h	156	418	38	129	187	0	19	0	40	0	0	43
Peak Hour Factor	0.92	0.75	0.75	0.75	0.75	0.92	0.75	0.92	0.75	0.92	0.92	0.92
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	170	557	51	172	249	0	25	0	53	0	0	47
Number of Lanes	1	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	2
HCM Control Delay	30.7	16.8	10.4	9.7
HCM LOS	D	C	B	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	SBLn1
Vol Left, %	32%	100%	0%	41%	0%
Vol Thru, %	0%	0%	92%	59%	0%
Vol Right, %	68%	0%	8%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	59	156	456	316	43
LT Vol	19	156	0	129	0
Through Vol	0	0	418	187	0
RT Vol	40	0	38	0	43
Lane Flow Rate	79	170	608	421	47
Geometry Grp	2	7	7	5	2
Degree of Util (X)	0.138	0.276	0.895	0.624	0.08
Departure Headway (Hd)	6.294	5.864	5.3	5.335	6.144
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	569	617	687	678	582
Service Time	4.34	3.564	3	3.364	4.195
HCM Lane V/C Ratio	0.139	0.276	0.885	0.621	0.081
HCM Control Delay	10.4	10.8	36.3	16.8	9.7
HCM Lane LOS	B	B	E	C	A
HCM 95th-tile Q	0.5	1.1	11.3	4.4	0.3

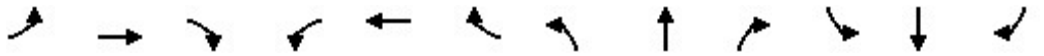
Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	306	166	0	12	634
Future Vol, veh/h	0	306	166	0	12	634
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Free
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	77	77	77	77	77	77
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	397	216	0	16	823

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	613	-
Stage 1	-	-	-	-	216	-
Stage 2	-	-	-	-	397	-
Critical Hdwy	-	-	-	-	6.4	-
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	-
Pot Cap-1 Maneuver	0	-	-	0	459	0
Stage 1	0	-	-	0	825	0
Stage 2	0	-	-	0	683	0
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	459	-
Mov Cap-2 Maneuver	-	-	-	-	459	-
Stage 1	-	-	-	-	825	-
Stage 2	-	-	-	-	683	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	13.1
HCM LOS			B

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	459	-
HCM Lane V/C Ratio	-	-	0.034	-
HCM Control Delay (s)	-	-	13.1	0
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.1	-



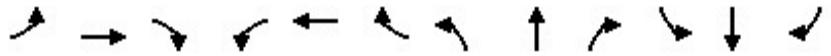
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	61	1293	188	14	939	438	267	1391	36	618	1067	62
Future Volume (veh/h)	61	1293	188	14	939	438	267	1391	36	618	1067	62
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	64	1361	198	15	988	461	281	1464	38	651	1123	65
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	51	1419	206	28	1075	791	330	1491	39	679	1339	77
Arrive On Green	0.03	0.31	0.33	0.02	0.30	0.30	0.09	0.29	0.29	0.19	0.39	0.39
Sat Flow, veh/h	1810	4573	665	1810	3610	1610	3510	5199	135	3510	3468	201
Grp Volume(v), veh/h	64	1029	530	15	988	461	281	974	528	651	584	604
Grp Sat Flow(s),veh/h/ln	1810	1729	1780	1810	1805	1610	1755	1729	1876	1755	1805	1864
Q Serve(g_s), s	4.0	41.3	41.3	1.2	37.4	19.3	11.1	39.5	39.5	25.9	41.5	41.5
Cycle Q Clear(g_c), s	4.0	41.3	41.3	1.2	37.4	19.3	11.1	39.5	39.5	25.9	41.5	41.5
Prop In Lane	1.00		0.37	1.00		1.00	1.00		0.07	1.00		0.11
Lane Grp Cap(c), veh/h	51	1073	552	28	1075	791	330	992	538	679	697	720
V/C Ratio(X)	1.26	0.96	0.96	0.53	0.92	0.58	0.85	0.98	0.98	0.96	0.84	0.84
Avail Cap(c_a), veh/h	81	1094	563	65	1112	807	368	992	538	679	697	720
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	68.6	47.8	47.3	69.0	47.9	12.1	63.0	50.0	50.0	56.4	39.3	39.4
Incr Delay (d2), s/veh	185.8	18.1	27.8	10.7	11.8	1.0	15.4	24.2	34.1	24.8	9.0	8.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.4	19.6	21.5	0.6	17.8	6.2	5.5	19.6	22.7	13.4	19.1	19.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	254.4	65.9	75.1	79.7	59.8	13.1	78.5	74.2	84.1	81.2	48.4	48.2
LnGrp LOS	F	E	E	E	E	B	E	E	F	F	D	D
Approach Vol, veh/h		1623			1464			1783			1839	
Approach Delay, s/veh		76.3			45.3			77.8			59.9	
Approach LOS		E			D			E			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.9	54.3	18.0	62.0	11.7	49.6	32.0	48.0
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	5.1	* 48	* 15	53.0	9.3	* 44	* 27	40.5
Max Q Clear Time (g_c+I1), s	3.2	44.3	13.1	43.5	7.0	39.4	27.9	41.5
Green Ext Time (p_c), s	0.0	2.5	0.1	5.2	0.0	2.7	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	65.5
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	25	0	56	438	0	91	5	1579	150	42	1212	15
Future Volume (veh/h)	25	0	56	438	0	91	5	1579	150	42	1212	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1800	1800	1800	1900	1800	1900	1800	1900	1900	1900	1900	1800
Adj Flow Rate, veh/h	27	0	61	447	0	93	5	1611	153	43	1237	16
Peak Hour Factor	0.92	0.92	0.92	0.98	0.92	0.98	0.92	0.98	0.98	0.98	0.98	0.92
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	39	0	82	380	434	388	11	1953	183	56	1142	15
Arrive On Green	0.02	0.00	0.05	0.21	0.00	0.24	0.01	0.59	0.59	0.03	0.61	0.61
Sat Flow, veh/h	1714	0	1525	1810	1800	1610	1714	3335	313	1810	1871	24
Grp Volume(v), veh/h	27	0	61	447	0	93	5	864	900	43	0	1253
Grp Sat Flow(s),veh/h/ln	1714	0	1525	1810	1800	1610	1714	1805	1844	1810	0	1896
Q Serve(g_s), s	2.3	0.0	5.9	31.5	0.0	7.0	0.4	57.1	59.3	3.5	0.0	91.5
Cycle Q Clear(g_c), s	2.3	0.0	5.9	31.5	0.0	7.0	0.4	57.1	59.3	3.5	0.0	91.5
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.17	1.00		0.01
Lane Grp Cap(c), veh/h	39	0	82	380	434	388	11	1057	1079	56	0	1156
V/C Ratio(X)	0.70	0.00	0.74	1.18	0.00	0.24	0.47	0.82	0.83	0.77	0.00	1.08
Avail Cap(c_a), veh/h	77	0	183	380	514	459	57	1057	1079	64	0	1156
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	0.54	0.54	0.54	1.00	0.00	1.00
Uniform Delay (d), s/veh	72.8	0.0	70.0	59.2	0.0	45.8	74.3	24.7	25.2	72.2	0.0	29.2
Incr Delay (d2), s/veh	20.4	0.0	12.5	103.6	0.0	0.3	15.9	3.9	4.3	38.7	0.0	52.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	0.0	2.6	25.4	0.0	2.9	0.2	23.1	24.6	2.2	0.0	53.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	93.2	0.0	82.4	162.8	0.0	46.1	90.2	28.6	29.5	110.9	0.0	81.4
LnGrp LOS	F	A	F	F	A	D	F	C	C	F	A	F
Approach Vol, veh/h		88			540			1769			1296	
Approach Delay, s/veh		85.7			142.7			29.2			82.4	
Approach LOS		F			F			C			F	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.1	92.3	36.0	12.6	5.4	96.0	7.9	40.7
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	5.3	77.2	31.5	18.0	5.0	77.5	6.7	42.8
Max Q Clear Time (g_c+I1), s	5.5	61.3	33.5	7.9	2.4	93.5	4.3	9.0
Green Ext Time (p_c), s	0.0	10.0	0.0	0.1	0.0	0.0	0.0	0.3

Intersection Summary	
HCM 6th Ctrl Delay	65.8
HCM 6th LOS	E

Intersection	
Intersection Delay, s/veh	14.8
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	32	209	24	72	315	0	27	0	136	0	0	153
Future Vol, veh/h	32	209	24	72	315	0	27	0	136	0	0	153
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	36	232	27	80	350	0	30	0	151	0	0	170
Number of Lanes	1	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	2
HCM Control Delay	13	19	11.2	10.9
HCM LOS	B	C	B	B

Lane	NBLn1	EBLn1	EBLn2	WBLn1	SBLn1
Vol Left, %	17%	100%	0%	19%	0%
Vol Thru, %	0%	0%	90%	81%	0%
Vol Right, %	83%	0%	10%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	163	32	233	387	153
LT Vol	27	32	0	72	0
Through Vol	0	0	209	315	0
RT Vol	136	0	24	0	153
Lane Flow Rate	181	36	259	430	170
Geometry Grp	2	7	7	5	2
Degree of Util (X)	0.29	0.065	0.434	0.664	0.268
Departure Headway (Hd)	5.766	6.62	6.038	5.561	5.666
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	618	538	593	645	627
Service Time	3.858	4.394	3.812	3.626	3.758
HCM Lane V/C Ratio	0.293	0.067	0.437	0.667	0.271
HCM Control Delay	11.2	9.9	13.4	19	10.9
HCM Lane LOS	B	A	B	C	B
HCM 95th-tile Q	1.2	0.2	2.2	5	1.1

Intersection	
Int Delay, s/veh	1.2

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	764	107	0	50	339
Future Vol, veh/h	0	764	107	0	50	339
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Free
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	878	123	0	57	390

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	1001	-
Stage 1	-	-	-	-	123	-
Stage 2	-	-	-	-	878	-
Critical Hdwy	-	-	-	-	6.4	-
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	-
Pot Cap-1 Maneuver	0	-	-	0	271	0
Stage 1	0	-	-	0	907	0
Stage 2	0	-	-	0	410	0
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	271	-
Mov Cap-2 Maneuver	-	-	-	-	271	-
Stage 1	-	-	-	-	907	-
Stage 2	-	-	-	-	410	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	21.8
HCM LOS			C

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	271	-
HCM Lane V/C Ratio	-	-	0.212	-
HCM Control Delay (s)	-	-	21.8	0
HCM Lane LOS	-	-	C	A
HCM 95th %tile Q(veh)	-	-	0.8	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	97	984	357	21	1202	625	207	1096	10	378	2635	45
Future Volume (veh/h)	97	984	357	21	1202	625	207	1096	10	378	2635	45
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	102	1036	376	22	1265	658	218	1154	11	398	2774	47
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	63	1192	404	97	1291	1072	204	2656	25	454	2449	41
Arrive On Green	0.03	0.23	0.25	0.05	0.25	0.25	0.06	0.39	0.39	0.13	0.47	0.47
Sat Flow, veh/h	1810	5187	1610	1810	5187	2834	3510	6726	64	3510	5253	89
Grp Volume(v), veh/h	102	1036	376	22	1265	658	218	841	324	398	1821	1000
Grp Sat Flow(s),veh/h/ln	1810	1729	1610	1810	1729	1417	1755	1634	1888	1755	1729	1884
Q Serve(g_s), s	5.0	27.4	26.3	1.7	34.6	19.3	8.3	17.9	17.9	15.9	66.5	66.5
Cycle Q Clear(g_c), s	5.0	27.4	26.3	1.7	34.6	19.3	8.3	17.9	17.9	15.9	66.5	66.5
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.03	1.00		0.05
Lane Grp Cap(c), veh/h	63	1192	404	97	1291	1072	204	1936	746	454	1612	878
V/C Ratio(X)	1.62	0.87	0.93	0.23	0.98	0.61	1.07	0.43	0.43	0.88	1.13	1.14
Avail Cap(c_a), veh/h	93	1371	459	97	1291	1072	204	1936	746	593	1612	878
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	68.8	52.9	34.1	64.7	53.2	19.3	67.2	31.5	31.5	61.0	38.1	38.1
Incr Delay (d2), s/veh	342.1	5.6	24.1	0.9	20.3	1.0	81.9	0.2	0.5	10.5	66.9	76.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.2	12.1	12.5	0.8	16.8	6.0	5.9	6.8	7.9	7.5	40.9	46.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	411.0	58.5	58.2	65.5	73.5	20.4	149.1	31.7	32.0	71.5	105.0	114.1
LnGrp LOS	F	E	E	E	E	C	F	C	C	E	F	F
Approach Vol, veh/h		1514			1945			1383			3219	
Approach Delay, s/veh		82.2			55.5			50.3			103.7	
Approach LOS		F			E			D			F	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	12.3	43.3	13.0	74.0	12.6	43.0	23.2	63.8
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	5.1	* 41	* 8.3	66.5	10.3	* 36	* 24	50.7
Max Q Clear Time (g_c+I1), s	3.7	30.4	10.3	68.5	8.0	36.6	17.9	19.9
Green Ext Time (p_c), s	0.0	5.4	0.0	0.0	0.0	0.0	0.6	9.5

Intersection Summary	
HCM 6th Ctrl Delay	78.8
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	0	29	343	0	463	71	1131	553	451	2255	29
Future Volume (veh/h)	5	0	29	343	0	463	71	1131	553	451	2255	29
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1800	1800	1800	1900	1800	1900	1800	1900	1900	1900	1900	1800
Adj Flow Rate, veh/h	5	0	32	532	0	304	77	1191	582	475	2374	32
Peak Hour Factor	0.92	0.92	0.92	0.95	0.92	0.95	0.92	0.95	0.95	0.95	0.95	0.92
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	47	0	42	626	0	279	82	2652	823	545	2257	30
Arrive On Green	0.03	0.00	0.03	0.17	0.00	0.17	0.05	0.51	0.51	0.16	0.62	0.62
Sat Flow, veh/h	1714	0	1525	3619	0	1610	1714	5187	1610	3510	3647	49
Grp Volume(v), veh/h	5	0	32	532	0	304	77	1191	582	475	1172	1234
Grp Sat Flow(s),veh/h/ln	1714	0	1525	1810	0	1610	1714	1729	1610	1755	1805	1891
Q Serve(g_s), s	0.4	0.0	2.8	19.3	0.0	23.5	6.1	19.8	37.6	17.9	84.0	84.0
Cycle Q Clear(g_c), s	0.4	0.0	2.8	19.3	0.0	23.5	6.1	19.8	37.6	17.9	84.0	84.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.03
Lane Grp Cap(c), veh/h	47	0	42	626	0	279	82	2652	823	545	1117	1170
V/C Ratio(X)	0.11	0.00	0.76	0.85	0.00	1.09	0.94	0.45	0.71	0.87	1.05	1.05
Avail Cap(c_a), veh/h	227	0	202	626	0	279	82	2652	823	745	1117	1170
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	64.4	0.0	65.5	54.4	0.0	56.1	64.4	21.0	25.4	56.0	25.9	25.9
Incr Delay (d2), s/veh	1.0	0.0	23.6	10.7	0.0	80.3	78.6	0.6	5.1	8.4	40.9	41.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.4	9.8	0.0	15.8	4.4	7.6	14.3	8.3	43.1	45.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	65.3	0.0	89.1	65.1	0.0	136.4	143.0	21.6	30.5	64.5	66.8	67.8
LnGrp LOS	E	A	F	E	A	F	F	C	C	E	F	F
Approach Vol, veh/h		37			836			1850			2881	
Approach Delay, s/veh		85.9			91.0			29.4			66.8	
Approach LOS		F			F			C			E	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	25.6	73.9		8.3	11.0	88.5		28.0
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	28.8	61.7		18.0	6.5	84.0		23.5
Max Q Clear Time (g_c+I1), s	19.3	39.6		4.8	8.1	86.0		25.5
Green Ext Time (p_c), s	1.1	10.4		0.1	0.0	0.0		0.0

Intersection Summary	
HCM 6th Ctrl Delay	58.2
HCM 6th LOS	E

Notes

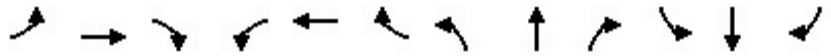
User approved volume balancing among the lanes for turning movement.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	274	549	416	404	286	0	417	0	197	0	0	71
Future Volume (veh/h)	274	549	416	404	286	0	417	0	197	0	0	71
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adj Flow Rate, veh/h	288	578	438	425	301	0	439	0	207	0	0	75
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	321	675	720	457	498	0	471	0	600	0	0	109
Arrive On Green	0.19	0.20	0.20	0.27	0.28	0.00	0.27	0.00	0.39	0.00	0.00	0.07
Sat Flow, veh/h	1714	3420	1525	1714	1800	0	1714	0	1525	0	0	1525
Grp Volume(v), veh/h	288	578	438	425	301	0	439	0	207	0	0	75
Grp Sat Flow(s),veh/h/ln	1714	1710	1525	1714	1800	0	1714	0	1525	0	0	1525
Q Serve(g_s), s	15.6	15.5	18.7	22.9	13.8	0.0	23.7	0.0	9.0	0.0	0.0	4.5
Cycle Q Clear(g_c), s	15.6	15.5	18.7	22.9	13.8	0.0	23.7	0.0	9.0	0.0	0.0	4.5
Prop In Lane	1.00		1.00	1.00		0.00	1.00		1.00	0.00		1.00
Lane Grp Cap(c), veh/h	321	675	720	457	498	0	471	0	600	0	0	109
V/C Ratio(X)	0.90	0.86	0.61	0.93	0.60	0.00	0.93	0.00	0.34	0.00	0.00	0.69
Avail Cap(c_a), veh/h	353	675	720	489	498	0	503	0	818	0	0	298
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
Uniform Delay (d), s/veh	37.6	36.7	18.5	33.9	29.8	0.0	33.5	0.0	20.1	0.0	0.0	42.9
Incr Delay (d2), s/veh	23.3	10.6	1.5	23.8	2.1	0.0	23.8	0.0	0.3	0.0	0.0	7.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.5	7.3	7.1	12.3	6.1	0.0	12.7	0.0	3.2	0.0	0.0	1.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	60.9	47.3	20.0	57.7	31.8	0.0	57.3	0.0	20.5	0.0	0.0	50.4
LnGrp LOS	E	D	C	E	C	A	E	A	C	A	A	D
Approach Vol, veh/h		1304			726			646			75	
Approach Delay, s/veh		41.1			47.0			45.5			50.4	
Approach LOS		D			D			D			D	

Timer - Assigned Phs	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	41.8	29.7	23.2	30.5	11.3	22.2	30.7
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	50.8	27.0	18.7	27.8	18.5	19.5	26.2
Max Q Clear Time (g_c+I1), s	11.0	24.9	20.7	25.7	6.5	17.6	15.8
Green Ext Time (p_c), s	1.5	0.3	0.0	0.4	0.2	0.2	1.2

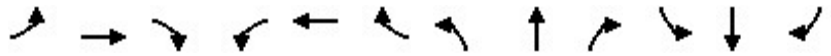
Intersection Summary	
HCM 6th Ctrl Delay	44.0
HCM 6th LOS	D



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	36	11	83	237	2	56	31	2111	315	178	2099	123
Future Volume (veh/h)	36	11	83	237	2	56	31	2111	315	178	2099	123
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	38	12	87	249	2	59	33	2222	332	187	2209	129
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	392	42	308	312	406	344	58	2508	779	172	2835	880
Arrive On Green	0.21	0.21	0.21	0.21	0.21	0.21	0.03	0.48	0.48	0.09	0.55	0.55
Sat Flow, veh/h	1438	199	1442	1390	1900	1610	1810	5187	1610	1810	5187	1610
Grp Volume(v), veh/h	38	0	99	249	2	59	33	2222	332	187	2209	129
Grp Sat Flow(s),veh/h/ln	1438	0	1641	1390	1900	1610	1810	1729	1610	1810	1729	1610
Q Serve(g_s), s	1.8	0.0	4.3	13.7	0.1	2.5	1.5	32.6	11.3	8.0	28.3	3.3
Cycle Q Clear(g_c), s	1.9	0.0	4.3	18.0	0.1	2.5	1.5	32.6	11.3	8.0	28.3	3.3
Prop In Lane	1.00		0.88	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	392	0	351	312	406	344	58	2508	779	172	2835	880
V/C Ratio(X)	0.10	0.00	0.28	0.80	0.00	0.17	0.57	0.89	0.43	1.09	0.78	0.15
Avail Cap(c_a), veh/h	392	0	351	312	406	344	107	2556	793	172	2835	880
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.8	0.0	27.7	35.9	26.1	27.0	40.2	19.7	14.2	38.1	15.1	9.4
Incr Delay (d2), s/veh	0.0	0.0	0.2	12.5	0.0	0.1	3.3	4.1	0.4	94.1	1.4	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.0	1.6	6.1	0.0	1.0	0.7	11.4	3.4	7.7	8.8	0.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.8	0.0	27.9	48.4	26.1	27.1	43.5	23.8	14.5	132.2	16.5	9.5
LnGrp LOS	C	A	C	D	C	C	D	C	B	F	B	A
Approach Vol, veh/h		137			310			2587			2525	
Approach Delay, s/veh		27.6			44.2			22.8			24.7	
Approach LOS		C			D			C			C	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	13.0	47.2		24.0	7.7	52.5		24.0
Change Period (Y+Rc), s	5.0	6.5		6.0	5.0	6.5		6.0
Max Green Setting (Gmax), s	8.0	41.5		18.0	5.0	44.5		18.0
Max Q Clear Time (g_c+I1), s	10.3	34.6		6.3	3.5	30.3		20.0
Green Ext Time (p_c), s	0.0	6.1		0.3	0.0	11.3		0.0

Intersection Summary		
HCM 6th Ctrl Delay	25.0	
HCM 6th LOS	C	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	82	85	13	76	202	499	56	1834	94	269	1894	485
Future Volume (veh/h)	82	85	13	76	202	499	56	1834	94	269	1894	485
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	86	89	14	80	213	525	59	1931	99	283	1994	511
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	316	682	105	338	413	616	76	2305	715	314	2985	927
Arrive On Green	0.22	0.22	0.22	0.22	0.22	0.22	0.04	0.44	0.44	0.17	0.58	0.58
Sat Flow, veh/h	1498	3135	483	1385	1900	2834	1810	5187	1610	1810	5187	1610
Grp Volume(v), veh/h	86	50	53	80	213	525	59	1931	99	283	1994	511
Grp Sat Flow(s),veh/h/ln	749	1805	1813	1385	1900	1417	1810	1729	1610	1810	1729	1610
Q Serve(g_s), s	5.6	2.3	2.4	5.2	10.3	18.6	3.4	34.4	3.8	16.0	27.7	20.6
Cycle Q Clear(g_c), s	15.9	2.3	2.4	7.6	10.3	18.6	3.4	34.4	3.8	16.0	27.7	20.6
Prop In Lane	1.00		0.27	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	316	393	394	338	413	616	76	2305	715	314	2985	927
V/C Ratio(X)	0.27	0.13	0.13	0.24	0.52	0.85	0.77	0.84	0.14	0.90	0.67	0.55
Avail Cap(c_a), veh/h	579	709	712	581	746	1113	109	2346	728	340	3007	933
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.0	32.9	32.9	36.0	36.0	39.2	49.5	25.7	17.2	42.3	15.3	13.8
Incr Delay (d2), s/veh	0.2	0.1	0.1	0.1	0.4	1.3	15.8	3.1	0.2	24.5	0.8	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	1.0	1.1	1.8	4.8	6.5	1.8	13.1	1.3	8.8	9.2	6.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	43.2	32.9	33.0	36.1	36.4	40.5	65.3	28.8	17.4	66.7	16.0	15.0
LnGrp LOS	D	C	C	D	D	D	E	C	B	E	B	B
Approach Vol, veh/h		189			818			2089			2788	
Approach Delay, s/veh		37.6			39.0			29.3			21.0	
Approach LOS		D			D			C			C	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	22.8	53.9		27.7	9.1	67.6		27.7
Change Period (Y+Rc), s	* 4.7	7.5		5.0	* 4.7	7.5		5.0
Max Green Setting (Gmax), s	* 20	47.2		41.0	* 6.3	60.5		41.0
Max Q Clear Time (g_c+I1), s	18.0	36.4		17.9	5.4	29.7		20.6
Green Ext Time (p_c), s	0.1	10.0		0.8	0.0	28.1		2.1

Intersection Summary	
HCM 6th Ctrl Delay	27.0
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↰	↱
Traffic Vol, veh/h	0	355	37	0	17	835
Future Vol, veh/h	0	355	37	0	17	835
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Free
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	374	39	0	18	879

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	413	-
Stage 1	-	-	-	-	39	-
Stage 2	-	-	-	-	374	-
Critical Hdwy	-	-	-	-	6.4	-
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	-
Pot Cap-1 Maneuver	0	-	-	0	599	0
Stage 1	0	-	-	0	989	0
Stage 2	0	-	-	0	700	0
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	599	-
Mov Cap-2 Maneuver	-	-	-	-	599	-
Stage 1	-	-	-	-	989	-
Stage 2	-	-	-	-	700	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	11.2
HCM LOS			B

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	599	-
HCM Lane V/C Ratio	-	-	0.03	-
HCM Control Delay (s)	-	-	11.2	0
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.1	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	1051	166	11	688	356	405	2636	81	638	1459	91
Future Volume (veh/h)	50	1051	166	11	688	356	405	2636	81	638	1459	91
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	53	1106	175	12	724	375	426	2775	85	672	1536	96
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	64	1144	389	24	1028	1070	481	2580	79	629	2172	136
Arrive On Green	0.04	0.22	0.24	0.01	0.20	0.20	0.14	0.39	0.39	0.18	0.44	0.44
Sat Flow, veh/h	1810	5187	1610	1810	5187	2834	3510	6565	200	3510	4990	312
Grp Volume(v), veh/h	53	1106	175	12	724	375	426	2070	790	672	1064	568
Grp Sat Flow(s),veh/h/ln	1810	1729	1610	1810	1729	1417	1755	1634	1864	1755	1729	1844
Q Serve(g_s), s	4.1	29.8	9.2	0.9	18.4	9.6	16.8	55.5	55.5	25.3	35.5	35.5
Cycle Q Clear(g_c), s	4.1	29.8	9.2	0.9	18.4	9.6	16.8	55.5	55.5	25.3	35.5	35.5
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.11	1.00		0.17
Lane Grp Cap(c), veh/h	64	1144	389	24	1028	1070	481	1926	732	629	1505	802
V/C Ratio(X)	0.82	0.97	0.45	0.50	0.70	0.35	0.89	1.07	1.08	1.07	0.71	0.71
Avail Cap(c_a), veh/h	64	1168	397	64	1194	1160	579	1926	732	629	1505	802
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	67.7	54.5	22.7	69.2	52.8	16.9	59.9	42.9	42.9	58.0	32.5	32.5
Incr Delay (d2), s/veh	54.1	18.6	0.8	11.4	1.6	0.2	12.9	43.8	56.6	55.6	1.6	3.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.8	14.4	3.4	0.5	7.8	2.9	8.1	28.8	35.4	15.7	14.3	15.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	121.7	73.2	23.5	80.6	54.3	17.1	72.8	86.7	99.5	113.6	34.2	35.6
LnGrp LOS	F	E	C	F	D	B	E	F	F	F	C	D
Approach Vol, veh/h		1334			1111			3286			2304	
Approach Delay, s/veh		68.6			42.0			87.9			57.7	
Approach LOS		E			D			F			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.6	41.7	24.0	69.0	12.7	35.5	30.0	63.0
Change Period (Y+Rc), s	4.7	* 7.5	* 4.7	7.5	4.7	* 7.5	* 4.7	7.5
Max Green Setting (Gmax), s	5.0	* 35	* 23	57.5	7.3	* 33	* 25	55.5
Max Q Clear Time (g_c+I1), s	2.9	32.8	18.8	37.5	7.1	20.4	27.3	57.5
Green Ext Time (p_c), s	0.0	1.3	0.5	11.7	0.0	4.6	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	69.7
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	25	0	56	520	0	415	37	2742	197	423	1136	15
Future Volume (veh/h)	25	0	56	520	0	415	37	2742	197	423	1136	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1800	1800	1800	1900	1800	1900	1800	1900	1900	1900	1900	1800
Adj Flow Rate, veh/h	27	0	61	683	0	291	40	2886	207	445	1196	16
Peak Hour Factor	0.92	0.92	0.92	0.95	0.92	0.95	0.92	0.95	0.95	0.95	0.95	0.92
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	92	0	82	688	0	306	51	2641	820	415	2180	29
Arrive On Green	0.05	0.00	0.05	0.19	0.00	0.19	0.03	0.51	0.51	0.12	0.60	0.60
Sat Flow, veh/h	1714	0	1525	3619	0	1610	1714	5187	1610	3510	3647	49
Grp Volume(v), veh/h	27	0	61	683	0	291	40	2886	207	445	592	620
Grp Sat Flow(s),veh/h/ln	1714	0	1525	1810	0	1610	1714	1729	1610	1755	1805	1891
Q Serve(g_s), s	2.1	0.0	5.5	26.3	0.0	24.9	3.2	71.0	10.1	16.5	27.4	27.4
Cycle Q Clear(g_c), s	2.1	0.0	5.5	26.3	0.0	24.9	3.2	71.0	10.1	16.5	27.4	27.4
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.03
Lane Grp Cap(c), veh/h	92	0	82	688	0	306	51	2641	820	415	1079	1131
V/C Ratio(X)	0.29	0.00	0.75	0.99	0.00	0.95	0.79	1.09	0.25	1.07	0.55	0.55
Avail Cap(c_a), veh/h	221	0	197	688	0	306	113	2641	820	415	1079	1131
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	63.5	0.0	65.1	56.4	0.0	55.8	67.2	34.2	19.3	61.5	16.8	16.8
Incr Delay (d2), s/veh	1.8	0.0	12.7	32.5	0.0	38.5	22.9	48.7	0.7	64.5	2.0	1.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	0.0	2.4	15.1	0.0	13.4	1.7	38.8	3.7	10.8	10.8	11.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	65.2	0.0	77.8	88.9	0.0	94.3	90.1	82.9	20.0	126.0	18.8	18.7
LnGrp LOS	E	A	E	F	A	F	F	F	C	F	B	B
Approach Vol, veh/h		88			974			3133			1657	
Approach Delay, s/veh		73.9			90.5			78.8			47.5	
Approach LOS		E			F			E			D	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	31.0	75.5		12.0	8.6	87.9		31.0
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	16.5	71.0		18.0	9.2	78.3		26.5
Max Q Clear Time (g_c+I1), s	18.5	73.0		7.5	5.2	29.4		28.3
Green Ext Time (p_c), s	0.0	0.0		0.2	0.0	8.5		0.0

Intersection Summary		
HCM 6th Ctrl Delay	71.9	
HCM 6th LOS	E	

Notes

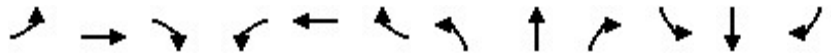
User approved volume balancing among the lanes for turning movement.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	47	391	364	294	369	0	337	0	225	0	0	217
Future Volume (veh/h)	47	391	364	294	369	0	337	0	225	0	0	217
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adj Flow Rate, veh/h	49	412	383	309	388	0	355	0	237	0	0	228
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	69	713	650	328	647	0	373	0	677	0	0	265
Arrive On Green	0.04	0.21	0.21	0.19	0.36	0.00	0.22	0.00	0.44	0.00	0.00	0.17
Sat Flow, veh/h	1714	3420	1525	1714	1800	0	1714	0	1525	0	0	1525
Grp Volume(v), veh/h	49	412	383	309	388	0	355	0	237	0	0	228
Grp Sat Flow(s),veh/h/ln	1714	1710	1525	1714	1800	0	1714	0	1525	0	0	1525
Q Serve(g_s), s	2.4	9.4	16.6	15.4	15.2	0.0	17.6	0.0	8.8	0.0	0.0	12.5
Cycle Q Clear(g_c), s	2.4	9.4	16.6	15.4	15.2	0.0	17.6	0.0	8.8	0.0	0.0	12.5
Prop In Lane	1.00		1.00	1.00		0.00	1.00		1.00	0.00		1.00
Lane Grp Cap(c), veh/h	69	713	650	328	647	0	373	0	677	0	0	265
V/C Ratio(X)	0.71	0.58	0.59	0.94	0.60	0.00	0.95	0.00	0.35	0.00	0.00	0.86
Avail Cap(c_a), veh/h	99	713	650	328	647	0	373	0	742	0	0	330
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
Uniform Delay (d), s/veh	40.9	30.7	19.0	34.4	22.6	0.0	33.3	0.0	15.8	0.0	0.0	34.6
Incr Delay (d2), s/veh	12.9	1.2	1.4	35.0	1.5	0.0	33.9	0.0	0.3	0.0	0.0	16.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	3.9	5.8	9.4	6.4	0.0	10.6	0.0	3.0	0.0	0.0	5.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	53.8	31.9	20.4	69.4	24.1	0.0	67.2	0.0	16.1	0.0	0.0	51.4
LnGrp LOS	D	C	C	E	C	A	E	A	B	A	A	D
Approach Vol, veh/h		844			697			592			228	
Approach Delay, s/veh		27.9			44.2			46.8			51.4	
Approach LOS		C			D			D			D	

Timer - Assigned Phs	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	42.8	21.0	22.5	23.3	19.5	8.0	35.5
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	42.0	16.5	18.0	18.8	18.7	5.0	29.5
Max Q Clear Time (g_c+I1), s	10.8	17.4	18.6	19.6	14.5	4.4	17.2
Green Ext Time (p_c), s	1.6	0.0	0.0	0.0	0.5	0.0	1.9

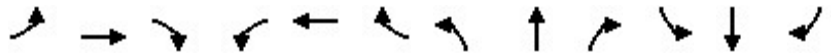
Intersection Summary	
HCM 6th Ctrl Delay	39.7
HCM 6th LOS	D



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	79	5	60	261	21	480	36	2361	231	176	1640	72
Future Volume (veh/h)	79	5	60	261	21	480	36	2361	231	176	1640	72
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	83	5	63	275	22	505	38	2485	243	185	1726	76
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	284	29	359	361	452	383	58	2544	790	190	2922	907
Arrive On Green	0.24	0.24	0.24	0.24	0.24	0.24	0.03	0.49	0.49	0.10	0.56	0.56
Sat Flow, veh/h	939	120	1509	1429	1900	1610	1810	5187	1610	1810	5187	1610
Grp Volume(v), veh/h	83	0	68	275	22	505	38	2485	243	185	1726	76
Grp Sat Flow(s),veh/h/ln	939	0	1628	1429	1900	1610	1810	1729	1610	1810	1729	1610
Q Serve(g_s), s	7.8	0.0	3.5	19.9	0.9	25.0	2.2	49.2	9.5	10.7	22.9	2.3
Cycle Q Clear(g_c), s	8.8	0.0	3.5	23.4	0.9	25.0	2.2	49.2	9.5	10.7	22.9	2.3
Prop In Lane	1.00		0.93	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	284	0	388	361	452	383	58	2544	790	190	2922	907
V/C Ratio(X)	0.29	0.00	0.18	0.76	0.05	1.32	0.66	0.98	0.31	0.98	0.59	0.08
Avail Cap(c_a), veh/h	284	0	388	361	452	383	103	2544	790	190	2922	907
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	34.2	0.0	31.8	41.1	30.8	40.0	50.3	26.2	16.1	46.9	15.0	10.5
Incr Delay (d2), s/veh	0.2	0.0	0.1	8.2	0.0	160.1	4.7	12.9	0.2	57.9	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	0.0	1.4	7.7	0.4	26.8	1.0	20.3	3.2	7.6	7.6	0.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	34.4	0.0	31.9	49.3	30.8	200.1	54.9	39.0	16.3	104.8	15.3	10.5
LnGrp LOS	C	A	C	D	C	F	D	D	B	F	B	B
Approach Vol, veh/h		151			802			2766			1987	
Approach Delay, s/veh		33.3			143.7			37.3			23.5	
Approach LOS		C			F			D			C	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	16.0	58.0		31.0	8.3	65.6		31.0
Change Period (Y+Rc), s	5.0	6.5		6.0	5.0	6.5		6.0
Max Green Setting (Gmax), s	11.0	51.5		25.0	6.0	56.5		25.0
Max Q Clear Time (g_c+I1), s	12.8	51.2		10.8	4.2	24.9		27.0
Green Ext Time (p_c), s	0.0	0.3		0.4	0.0	14.8		0.0

Intersection Summary	
HCM 6th Ctrl Delay	47.3
HCM 6th LOS	D



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	552	329	79	253	111	470	42	1512	97	402	1526	89
Future Volume (veh/h)	552	329	79	253	111	470	42	1512	97	402	1526	89
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	581	346	83	266	117	495	44	1592	102	423	1606	94
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	474	486	115	297	374	558	57	1622	503	339	2432	755
Arrive On Green	0.14	0.17	0.17	0.16	0.20	0.20	0.03	0.31	0.31	0.19	0.47	0.47
Sat Flow, veh/h	3510	2896	686	1810	1900	2834	1810	5187	1610	1810	5187	1610
Grp Volume(v), veh/h	581	214	215	266	117	495	44	1592	102	423	1606	94
Grp Sat Flow(s),veh/h/ln	1755	1805	1777	1810	1900	1417	1810	1729	1610	1810	1729	1610
Q Serve(g_s), s	17.5	14.5	14.8	18.7	6.8	22.0	3.1	39.4	6.0	24.3	30.9	4.3
Cycle Q Clear(g_c), s	17.5	14.5	14.8	18.7	6.8	22.0	3.1	39.4	6.0	24.3	30.9	4.3
Prop In Lane	1.00		0.39	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	474	303	298	297	374	558	57	1622	503	339	2432	755
V/C Ratio(X)	1.22	0.71	0.72	0.90	0.31	0.89	0.77	0.98	0.20	1.25	0.66	0.12
Avail Cap(c_a), veh/h	474	357	351	460	601	897	74	1622	503	339	2432	755
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	56.0	50.9	51.0	53.0	44.5	50.6	62.3	44.1	32.7	52.6	26.5	19.4
Incr Delay (d2), s/veh	118.8	3.7	4.3	13.6	0.2	4.1	27.1	18.2	0.4	133.0	0.9	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	15.6	6.9	7.0	9.6	3.3	8.1	1.8	18.6	2.4	23.1	11.9	1.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	174.8	54.5	55.3	66.7	44.7	54.7	89.4	62.3	33.1	185.6	27.4	19.6
LnGrp LOS	F	D	E	E	D	D	F	E	C	F	C	B
Approach Vol, veh/h		1010			878			1738			2123	
Approach Delay, s/veh		123.9			57.0			61.3			58.6	
Approach LOS		F			E			E			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.0	48.0	25.8	26.8	8.8	68.2	22.0	30.5
Change Period (Y+Rc), s	* 4.7	7.5	4.5	5.0	* 4.7	7.5	4.5	5.0
Max Green Setting (Gmax), s	* 4.3	40.5	32.9	25.6	* 5.3	59.5	17.5	41.0
Max Q Clear Time (g_c+I1), s	26.3	41.4	20.7	16.8	5.1	32.9	19.5	24.0
Green Ext Time (p_c), s	0.0	0.0	0.6	1.1	0.0	20.1	0.0	1.5

Intersection Summary	
HCM 6th Ctrl Delay	70.6
HCM 6th LOS	E

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	854	299	0	64	523
Future Vol, veh/h	0	854	299	0	64	523
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Free
Storage Length	-	-	-	-	25	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	899	315	0	67	551

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	765	-
Stage 1	-	-	-	-	315	-
Stage 2	-	-	-	-	450	-
Critical Hdwy	-	-	-	-	6.6	-
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.8	-
Follow-up Hdwy	-	-	-	-	3.5	-
Pot Cap-1 Maneuver	0	-	-	0	359	0
Stage 1	0	-	-	0	744	0
Stage 2	0	-	-	0	615	0
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	359	-
Mov Cap-2 Maneuver	-	-	-	-	359	-
Stage 1	-	-	-	-	744	-
Stage 2	-	-	-	-	615	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	17.3
HCM LOS			C

Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	359	-
HCM Lane V/C Ratio	-	-	0.188	-
HCM Control Delay (s)	-	-	17.3	0
HCM Lane LOS	-	-	C	A
HCM 95th %tile Q(veh)	-	-	0.7	-